

NET PRICE LIST € JUNE 2013

QUICK DELIVERY



THERMADOR INTERNATIONAL

is part of **THERMADOR GROUPE** and brings to the European market the full range of products from its different subsidiaries.

THERMADOR GROUPE

- More than 40 years of experience
- Listed company (NYSE Euronext Paris)
- 257 employees
- Sales €211 million (2012)
- Stock value €66 million (2012)
- Strategical logistic location (Lyon, South East of France)



QUALITY PRODUCTS

- Wide range of products in valves and fittings for industry and building, domestic pumps, heating and plumbing equipment, faucets
- Selection from worldwide leading manufacturers
- Major European agreements and certificates



SERVICE

- 15 000 references available on stock
- 90 000 m² warehouse
- Low minimum order
- Quick delivery

DISTRIBUTION

- Sale to wholesalers and resellers



Valves for industry,
HVAC
& water works



Actuated valves



Industry



Pumps & garden



Connections



Valves for building



Heating



Plumbing



Faucets

ALL OVER EUROPE



Sales administration & logistics



Sales



OUR BRANDS



SUMMARY

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Technical manual

CE-PED - Pressure Equipment Directive (97/23/EC)

1 - Scope

The PED applies to the design, manufacture and conformity assessment of pressure equipment and assemblies with a maximum allowable pressure (PS) greater than 0,5 bar such as: vessels, pressurised storage containers, heat exchangers, steam generators, boilers, industrial pipes, safety devices, pressure accessories, valves and fittings.

Equipment excluded from the PED (CE marking prohibited) :

- Equipment with PS < 0,5 bar (Art. 1 § 1)
- Valves and fittings < DN32 (Art. 3 § 3)

DN: Nominal size	PS: Maximum allowable pressure	TS: Maximum/minimum allowable temperature
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2 - Classification & fluid groups (Art. 9 § 2.1 & 2.2)

Fluids means gases, liquids and vapours in pure phase as well as mixtures thereof. Fluids may contain a suspension of solids.

Group 1 - Dangerous fluids		Group 2 - Non dangerous fluids	
explosive, extremely flammable, highly flammable, flammable (max. allowable temp. above flashpoint), very toxic, toxic, oxidizing.		other fluids not referred in group 1	
Liquids example: fuel	Gases example: natural gas	Liquids example: water	Gases example: saturated steam

3 - Risk categories (Annex II)

Risk category IV only applies for safety devices.

3/1 - Dangerous gases (group 1), example: natural gas (Annex II, table 6)

Class	DN/PN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	
2,5		A3 § 3																	
6																			
10																			
16																			
150																			
25																			
40																			
300																			
63																			
100																			
600																			
1500																			
2500																			

3/2 - Other gases (group 2), example: air (Annex II, table 7)

Class	DN/PN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
2,5		A3 § 3																	
6																			
10																			
16																			
150																			
25																			
40																			
300																			
63																			
100																			
600																			
1500																			
2500																			

3/3 - Dangerous liquids (group 1), example : fuel (Annex II, table 8)

Class	DN/PN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
2,5		A3 § 3																	
6																			
10																			
16																			
150																			
25																			
40																			
300																			
63																			
100																			
600																			
1500																			
2500																			
> 500 bar																			

3/4 - Other liquids (group 2), example: water (Annex II, table 9)

Class	DN/PN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
2,5		A3 § 3																	
6																			
10																			
16																			
150																			
25																			
40																			
300																			
63																			
100																			
600																			
1500																			
2500																			
> 500 bar																			

4 - Conformity assessment procedures (Art. 10 + Annex III)

	Without Quality Assurance		With Quality Assurance	
	type	unit	type	unit
Category I	Module A Internal production control (self-certification)		-	
Category II	Module A1 Internal manufacturing control + monitoring of final assessment by NB		Module D1 Production QA by NB	Module E1 Product QA by NB
Category III	Module B1 + C1 EC design-examination + conformity of type by NB	Module B1 + F EC design-examination + Product verification by NB	Module B + E EC type-examination + product QA by NB	Module H Full QA = Quality system assessment & surveillance by NB
Category IV	Module B + F EC type-examination + Product verification by NB	Module G EC unit verification by NB	Module B + D EC design-examination + production QA by NB	Module H1 Full QA + design-examination + special surveillance of final assessment by NB

5 - Notified bodies

List of notified bodies operating with our manufacturers on 97/23/EC certification:

0035	0036	0038	0045	0062	0409	0496	0497	0948	1115
TÜV Rheinland Industrie Service	TÜV Süd Industrie Service	Lloyd's Register Verification	TÜV Nord Systems	Bureau Veritas	Inspecta Sweden (Det Norske Veritas)	Det Norske Veritas Italia	CSI	TÜV Italia	Societa Consortile Pascal
Germany Köln	Germany München	UK London	Germany Hamburg	France Neuilly	Sweden Stockholm	Italy Agrate Brianza	Italy Bollate	Italy Sesto San Giovanni	Italy Milano

ATEX Directive (94/9/EC)

Directive on equipment and protective systems intended for use in potentially explosive atmospheres.

1 - Area classification

Gases	Dusts	Definition of zone
0	20	areas where an explosive atmosphere is expected to exist continuously or for long periods of time or more than 1000h/year.
1	21	areas where an explosive atmosphere is expected to exist for short periods of time and less than 1000h/year.
2	22	areas where an explosive atmosphere is not expected and if released, it will only exist for a very short period of time and less than 10h/year.

2 - ATEX marking - Example & explanation

Ex II 2 G Eex ia IIC T6

"T6" Surface temperature class:
T1 450°C
T2 300°C
T3 200°C
T4 135°C
T5 100°C
T6 85°C

"IIC" Explosion group (gases):
I Methane (Mining)
IIA less easily ignited such as Propane
IIB easily ignited such as Ethylene
IIC most easily ignited such as Hydrogene & Acetylene

"ia" Type of protection:
d Flameproof pressure-resistant encapsulation
e Increased safety
ia/ib Intrinsic safety ("ia" for zone 0 / "ib" sufficient for zone 1)
ma/mb Encapsulated ("ma" for zone 0 / "mb" sufficient for zone 1)

"Eex" Explosion protection

"G" Environment:
G Gases
D Dusts

"2" Equipment Category:
1 Category 1 - Equipment that is intended for use in zone 0 or 20
2 Category 3 - Equipment that is intended for use in zone 1 or 21
3 Category 2 - Equipment that is intended for use in zone 2 or 22
M1 Mining
M2 Mining

"II" Equipment Group:
II Mining - Category M1 and M2.
II All other places - Category 1, Category 2 & Category 3.

Ex Marking for explosion protection

Ingress Protection rating (IP code)

Degree of protection provided by the product enclosure; marked on the product in the form of an "IP" code.

First digit: solid particle protection		Second digit: liquid ingress protection	
4		0	Not protected
5		1	Protected against dripping water
6		2	Protected against dripping water when tilted up to 15°
		3	Protected against spraying water
		4	Protected against splashing water
		5	Protected against water jets
		6	Protected against heavy seas
		7	Protection against the effects of immersion
		8	Protection against submersion

Example: IP 54 would indicate a dust protected (first digit 5) piece of equipment which is protected against splashing water (second digit 4).

Pressure rating

Standard	Temp.	Pressure									
Max. admissible pressure	20°C	20 bar	50 bar	63 bar	69 bar	100 bar	138 bar	150 bar	207 bar	250 bar	420 bar
ISO	20°C	PN20	PN50	PN63	-	PN100	-	PN150	-	PN250	PN420
ANSI B 16.34	454°C	150 lbs (300°C)	300 lbs	-	400 lbs	600 lbs	-	900 lbs	-	1500 lbs	2500 lbs
API 602 (forged)	454°C	-	-	-	-	-	800 lbs	-	-	-	-
API 6A / CWP (Cold Water Pressure)	16°C	-	-	-	API 1000	API 1500	API 2000	-	API 3000	-	API 6000
WOG (Water Oil Gas)	16°C	-	-	-	1000 psi	1500 psi	2000 psi	-	3000 psi	-	6000 psi

Steam table

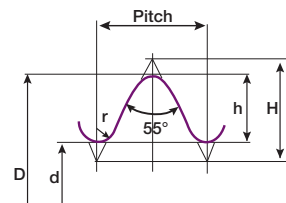
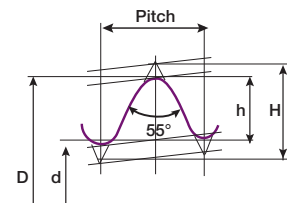
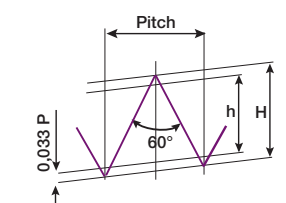
Pressure / Temperature correlation table for saturated steam.

bar	°C	bar	°C	bar	°C	bar	°C	bar	°C	bar	°C	bar	°C
0,5	112	6	165	11,5	190	19	212	30	236	45	259	100	312
1	120	6,5	168	12	192	20	215	31	237	50	265	105	315
1,5	128	7	170	12,5	194	21	217	32	239	55	271	110	319
2	134	7,5	173	13	195	22	220	33	241	60	277	115	322
2,5	139	8	175	13,5	197	23	222	34	243	65	282	120	325
3	144	8,5	178	14	198	24	224	35	244	70	287	125	328
3,5	148	9	180	14,5	200	25	226	36	246	75	291	130	331
4	152	9,5	182	15	201	26	228	37	247	80	296	135	334
4,5	156	10	184	16	204	27	230	38	249	85	300	140	337
5	159	10,5	186	17	207	28	232	39	250	90	304	145	340
5,5	162	11	188	18	210	29	234	40	252	95	308	150	343

Diameters table

DN	8	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Inch	1/4"	3/8"	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2" 1/2	3"	4"	5"	6"	8"	10"	12"
Metric	8/13	12/17	15/21	20/27	26/34	33/42	40/49	50/60	66/76	80/90	102/114	-	-	-	-	-
Plastic pipes	-	-	20	25	32	40	50	63	75	90	110	-	-	-	-	-

Threaded connection standards

BSP cylindrical thread ISO 228	BSPT conical thread ISO 7	NPT conical thread ANSI B1.20
 <p> $H = 0,9604 \times \text{pitch}$ $h = 0,6043 \times \text{pitch}$ $r = 0,1373 \times \text{pitch}$ </p>	 <p> $H = 0,9604 \times \text{pitch}$ $h = 0,6043 \times \text{pitch}$ $r = 0,1373 \times \text{pitch}$ conicity : 6,25 % </p>	 <p> $H = 0,866 \times \text{pitch}$ $h = 0,800 \times \text{pitch}$ conicity : 6,25 % </p>

Ø	BSP thread		NPT thread	
	Threads per inch	Pitch (mm)	Threads per inch	Pitch (mm)
1/4"	19	1,337	18	1,411
3/8"	19	1,337	18	1,411
1/2"	14	1,814	14	1,814
3/4"	14	1,814	14	1,814
1"	11	2,309	11,5	2,209
1" 1/4	11	2,309	11,5	2,209
1" 1/2	11	2,309	11,5	2,209
2"	11	2,309	11,5	2,209
2" 1/2	11	2,309	8	3,175
3"	11	2,309	8	3,175
4"	11	2,309	8	3,175

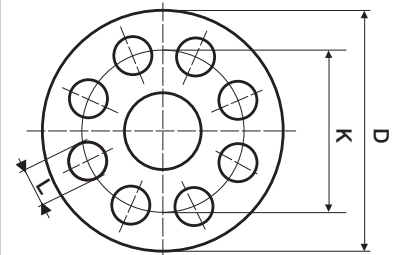
Flanges dimensions (EN 1092-1 & ANSI B16.5)

Dimensions in mm

DN (mm)	ISO PN6						ISO PN10						ISO PN16						ISO PN25					
	Union sizes			Screws			Union sizes			Screws			Union sizes			Screws			Union sizes			Screws		
	D	K	L	Number	Ø		D	K	L	Number	Ø		D	K	L	Number	Ø		D	K	L	Number	Ø	
10	75	50	11	4	M 10	90	60	14	4	M 12	90	60	14	4	M 12	90	60	14	4	M 12				
15	80	55	11	4	M 10	95	65	14	4	M 12	95	65	14	4	M 12	95	65	14	4	M 12				
20	90	65	11	4	M 10	105	75	14	4	M 12	105	75	14	4	M 12	105	75	14	4	M 12				
25	100	75	11	4	M 10	115	85	14	4	M 12	115	85	14	4	M 12	115	85	14	4	M 12				
32	120	90	14	4	M 12	140	100	19	4	M 16	140	100	19	4	M 16	140	100	19	4	M 16				
40	130	100	14	4	M 12	150	110	19	4	M 16	150	110	19	4	M 16	150	110	19	4	M 16				
50	140	110	14	4	M 12	165	125	19	4	M 16	165	125	19	4	M 16	165	125	19	4	M 16				
65	160	130	14	4	M 12	185	145	19	4	M 16	185	145	19	4	M 16	185	145	19	8	M 16				
80	190	150	19	4	M 16	200	160	19	8	M 16	200	160	19	8	M 16	200	160	19	8	M 16				
100	210	170	19	4	M 16	220	180	19	8	M 16	220	180	19	8	M 16	235	190	23	8	M 20				
125	240	200	19	8	M 16	250	210	19	8	M 16	250	210	19	8	M 16	270	220	28	8	M 24				
150	265	225	19	8	M 16	285	240	23	8	M 20	285	240	23	8	M 20	300	250	28	8	M 24				
200	320	280	19	8	M 16	340	295	23	8	M 20	340	295	23	12	M 20	360	310	28	12	M 24				
250	375	335	19	12	M 16	395	350	23	12	M 20	405	355	28	12	M 24	425	370	31	12	M 27				
300	440	395	23	12	M 20	445	400	23	12	M 20	460	410	28	12	M 24	485	430	31	16	M 27				
350	490	445	23	12	M 20	505	460	23	16	M 20	520	470	28	16	M 24	555	490	34	16	M 30				
400	540	495	23	16	M 20	565	515	28	16	M 24	580	525	31	16	M 27	620	550	37	16	M 33				
450	595	550	23	16	M 20	615	565	28	20	M 24	640	585	31	20	M 27	670	600	37	20	M 33				
500	645	600	23	20	M 20	670	620	28	20	M 24	715	650	34	20	M 30	730	660	37	20	M 33				
600	755	705	28	20	M 24	780	725	31	20	M 27	840	770	37	20	M 33	845	770	40	20	M 36				
700	860	810	28	24	M 24	895	840	31	24	M 27	910	840	37	24	M 33	960	875	43	24	M 39				
800	975	920	31	24	M 27	1015	950	34	24	M 30	1026	950	40	24	M 36	1085	990	49	24	M 45				
900	1075	1020	31	24	M 27	1115	1050	34	28	M 30	1125	1050	40	28	M 36	1185	1090	49	28	M 45				
1000	1175	1120	31	28	M 27	1230	1160	37	28	M 33	1255	1170	43	28	M 39	1320	1210	56	28	M 52				

Dimensions in mm

DN (mm)	ISO PN40						ISO PN20 - ANSI 150						ISO PN50 - ANSI 300					
	Union sizes			Screws			Union sizes			Screws			Union sizes			Screws		
	D	K	L	Number	Ø		D	K	L	Number	Ø		D	K	L	Number	Ø	
10	90	60	14	4	M 12													
15	95	65	14	4	M 12	88,9	60,5	15,8	4	M 14	95,3	66,5	15,8	4	M 14			
20	105	75	14	4	M 12	98,6	69,9	15,8	4	M 14	117,4	88,6	19,0	4	M 16			
25	115	85	14	4	M 12	108,0	79,4	15,8	4	M 14	124,0	88,9	19,0	4	M 16			
32	140	100	19	4	M 16	117,0	88,9	15,8	4	M 14	133,0	98,4	19,0	4	M 16			
40	150	110	19	4	M 16	127,0	98,4	15,8	4	M 14	156,0	114,3	22,2	4	M 20			
50	165	125	19	4	M 16	152,0	120,4	19,0	4	M 16	165,0	127,0	22,2	8	M 20			
65	185	145	19	8	M 16	178,0	139,7	19,0	4	M 16	190,0	149,2	22,2	8	M 20			
80	200	160	19	8	M 16	190,0	152,4	19,0	4	M 16	210,0	168,3	22,2	8	M 20			
100	235	190	23	8	M 20	229,0	190,5	19,0	8	M 16	254,0	200,0	22,2	8	M 20			
125	270	220	28	8	M 24	254,0	215,9	22,2	8	M 20	279,0	235,0	22,2	8	M 20			
150	300	250	28	8	M 24	279,0	241,3	22,2	8	M 20	318,0	269,9	22,2	12	M 20			
200	375	320	31	12	M 27	343,0	298,4	22,2	8	M 20	381,0	330,2	25,4	12	M 24			
250	450	385	31	12	M 30	406,0	362,0	25,4	12	M 24	444,0	387,4	28,5	16	M 27			
300	515	450	34	16	M 30	483,0	431,8	25,4	12	M 24	521,0	450,8	31,8	16	M 30			
350	580	510	37	16	M 33	533,0	476,2	28,5	12	M 27	584,0	514,4	31,8	20	M 30			
400	660	585	40	16	M 36	597,0	539,8	28,5	16	M 27	648,0	571,5	35,0	20	M 33			
450						635,0	577,8	31,8	16	M 30	711,0	628,6	35,0	24	M 33			
500	755	670	43	20	M 39	698,0	635,0	31,8	20	M 30	775,0	685,8	35,0	24	M 33			
600	890	795	49	20	M 45	813,0	749,3	35,0	20	M 33	914,0	812,8	41,1	24	M 39			



Face to face (EN 558-1 & EN 558-2)

Dimensions in mm

	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
DIN 3202 / F1	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450
DIN 3202 / F2	210	230	230	260	260	300	340	380	430	500	550	650	775	900	1025	1150	1275	1400	1600
DIN 3202 / F4	115	120	125	130	140	150	170	180	190	200	210	230	250	270	290	310	330	350	390
DIN 3202 / F5	-	-	120	140	240	250	270	280	300	325	350	400	450	500	550	600	650	700	800
DIN 3202 / F32	90	95	100	105	115	125	145	155	175	200	225	275	325	375	425	475	500	-	-
DIN 3202 / F33	105	115	115	130	130	150	170	190	215	250	275	325	-	-	-	-	-	-	-
ANSI B16.10 *	108	117	127	140	165	178	190	203	229	254	267	292	330	356	381	406	432	457	508

* ball & gate valves

Materials (EN 1503)

Carbon steel

Forged carbon steel (EN 10222-2)

NF A 36-605	EN 10222	DIN 2528	WN°	ASTM	Min. temp.	Max. temp.
A48 AP	P 245 N	C22.8	1.0460	A 105 A 350 LF2	-20°C -46°C	+425°C +350°C

Cast steel (EN 10213-2)

NF	EN 10213-2	DIN	WN°	ASTM	Min. temp.	Max. temp.
A48 CM	GP 240 GH	GSC-25	1.0619 1.1156	A 216 WCB A 352 LCB	-25°C -45°C	+425°C +345°C

Stainless steel

Forged stainless steel (EN 10222-5)

NF A 36-607	DIN 17-440	WN°	ASTM	Min. temp.	Max. temp.
AF Z6 CN18-09	X5 CrNi 18-10	1.4301	A 182 F 304	-196°C	+815°C
AF Z2 CN18-10	X2 CrNi 19-11	1.4306	A 182 F 304 L	-196°C	+425°C
AF Z6 CND17-11	X5 CrNiMo 17-12-2	1.4401	A 182 F 316	-196°C	+815°C
AF Z2 CND17-12	X2 CrNiMo 17-12-2	1.4404	A 182 F 316 L	-196°C	+455°C

Cast stainless steel (EN 10213-4)

NF A	DIN 17-445	WN°	ASTM	Min. temp.	Max. temp.
Z6 CN 18.10 N	GX6 CrNi 18-9	1.4308	A 351 CF8	-196°C	+815°C
	GX2 CrNi 19-11	1.4309	A 351 CF3	-196°C	+425°C
Z6 CND18.12N	GX6 CrNiMo 19-11-2	1.4408	A 351 CF8M	-196°C	+815°C
	GX2 CrNiMo 19-11-2	1.4409	A 351 CF3M	-196°C	+455°C

Cast iron & ductile iron (EN 1503-3)

Cast iron

NF A 32-101	EN 1561	DIN 1691	WN°	ASTM	Min. temp.	Max. temp.
FGL 250	EN-GJL 250	GG 25	EN-JL-1040	A 48 class 358	-10°C	+200°C

Ductile iron

NF A 32-201	EN 1563	DIN 1693	WN°	ASTM	Min. temp.	Max. temp.
FGS 500-7	EN-GJS-500-7	GGG 50	EN-JS1050	A 536 Gr 60-40-18	-15°C	+350°C
FGS 400-15	EN-GJS-400-15	GGG 40	EN-JS1030	A 536 Gr 65-45-12	-15°C	+350°C
FGS 400-18	EN-GJS-400-18	GGG-40.3	0.7043	A 536 Gr 60-40-18	-20°C	+350°C

Brass (EN 1503-4 / EN 12165)

EN 12420	DIN	WN°	ASTM	Min. temp.	Max. temp.
CW 617N	Cu Zn40Pb2	2.0402	B 124 C37700	-10°C	+200°C
CW 614N	Cu Zn39Pb3	2.0372	B 124 C38500	-10°C	+200°C

Bronze (EN 1503-4)

EN 1982	DIN	WN°	ASTM	Min. temp.	Max. temp.
CC 491K	CuSn5Zn5Pb5-C	2.1096	B62 C83600	-10°C	+260°C
CB 491K	CuSn5Zn5Pb5-B	2.1097	B30 C83600	-10°C	+260°C

Working conditions for elastomeres

Elastomere	Min. / Max. temperature	Use	Not recommended
EPDM	-10°C/+110°C	Cold and hot water, sea water, alkaline products, sodium hydroxide.	Hydrocarbons, steam, gases, acids, oil, freon.
NBR	-10°C/+80°C	Non aromatic hydrocarbons, natural gas, greases, oil, compressed air, glycol, water.	Atmospheric environment, petrol, solvents.
Hypalon	-10°C/+80°C	Mineral acids, oxydizing fluids.	Acetic-based and acetone-based environment.
FKM (Viton®)	-5°C/+180°C	Acids, greases, hydrocarbons, petrol, fuel, oil, gases.	Steam and hot water (max. 130°C), freon, alkaline products.
Natural rubber	-10°C/+60°C	Spirit, acetone, food, abrasive powders.	Acids and hydrocarbons.
Silicone	-30°C/+150°C	High temperature, air or inert gases.	Steam and hot water (max. 100°C), solvents.
Food silicone	-30°C/+150°C	Food.	Other applications.

General information: please check on data sheets for appropriate restrictions.



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Brass ball valves



Excluded from 97/23/EC directive (article 3 § 3) - PN40/30 - Nickel plated CW617 brass body - PTFE seats & gland pack - Full bore - Anti-blowout stem - Temperature range: -10%/+120°C.



521 - Heavy duty (NPT)

Max. pressure: 40 bar.

Ø	1/4"	3/8"	1/2"	3/4"	1"
lever code	521002	521003	521004	521005	521006
butterfly handle code	521012	521013	521014	521015	521016



520 - Dry cleaned - White lever (BSP)

561 - Dry cleaned - White butterfly handle (BSP)

For oxygen - Sold inside sealed bag - Supplied with caps up to 1" - Max. pressure: 10 bar.

Ø	1/4"	3/8"	1/2"	3/4"	1"	NEW 1"1/4"	NEW 1"1/2"	NEW 2"
520 code	520002	520003	520004	520005	520006	520007	520008	520009
561 code	561002	561003	561004	561005	561006	-	-	-

Carbon steel & stainless steel ball valves



1 piece body

Excluded from 97/23/EC directive (article 3 § 3) - POM/PTFE ball seats; NBR other seats - Reduced bore.



High pressure



799 - Carbon steel (BSP)

1.0737 body & ball - Temperature range: -10°C/+100°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"
Max. pressure (bar)	500	500	500	315	315	315
code	799002	799003	799004	799005	799006	799007

97/23/EC directive N° 0035 - Risk category II - PTFE seats - Reduced bore - Locking device - Max. pressure: 40 bar.

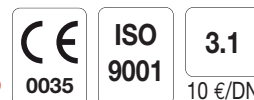


708 - Stainless steel (BSP)

CF8M body - 316 ball - Temperature range: -20°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	708002	708003	708004	708005	708006	708007	708008	708009

2 piece body



97/23/EC directive N° 0035 - Risk category II - PTFE seats - Full bore (except: 789 & 709 reduced bore) - Anti-blowout stem - Locking device - Max. pressure: 63 bar.



705 - Carbon steel (BSP)

A216WCB body - 316 ball - Temperature range: -20°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
Max. pressure (bar)	63	63	63	63	50	50	40	40	25	25
code	705002	705003	705004	705005	705006	705007	705008	705009	705010	705011



715 - Stainless steel - Blue handle (BSP)

CF8M body & ball - Temperature range: -30°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Max. pressure (bar)	63	63	63	63	50	50	40	40	25	25
code	715002	715003	715004	715005	715006	715007	715008	715009	715010	715011
*red sleeve code	9830370	9830370	9830370	9830371	9830371	9830372	9830372	9830373	9830374	9830374

* spare sleeve only; sent not mounted.



706 - Stainless steel - Red handle (BSP)

CF8M body & ball - Temperature range: -30°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Max. pressure (bar)	63	63	63	63	50	50	40	40	25	25
lever code	706002	706003	706004	706005	706006	706007	706008	706009	706010	706011
butterfly handle code	706102	706103	706104	706105	706106	-	-	-	-	-
*blue sleeve code	9830380	9830380	9830381	9830381	9830382	9830382	9830383	9830383	9830384	9830384

* spare sleeve only; sent not mounted; also suitable for 705/704/789/709.



704 - Stainless steel (NPT)

CF8M body & ball - NPT threaded - Temperature range: -30°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Max. pressure (bar)	63	63	63	63	50	50	40	40
code	704002	704003	704004	704005	704006	704007	704008	704009



789 - Stainless steel (BSP) male-female

CF8M body & ball - Temperature range: -30°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Max. pressure (bar)	63	63	63	63	50	50	40	40
code	789002	789003	789004	789005	789006	789007	789008	789009



709 - Stainless steel (BSP) male-male

CF8M body & ball - Temperature range: -30°C/+180°C.

Ø	3/8"	1/2"	3/4"	1"
Max. pressure (bar)	63	63	63	50
code	709003	709004	709005	709006



Spare butterfly handle

for 705/706/704/789/709

Ø	1/4"	3/8"	1/2" & 3/4"	1"
code	9831131	9831132	9831133	9831134



733 - Stainless steel - ISO pad (BSP)

CF8M body & ball - Temperature range: -20°C/+200°C.

Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Max. pressure (bar)	63	63	50	50	40	40	25	25
code	733004	733005	733006	733007	733008	733009	733010	733011

NEW

NEW



3 €/pc



2 piece body - High temperature

NEW

97/23/EC directive N° 0036 - Risk category II - PTFE + graphite seats - Full bore - Anti-blowout stem - Locking device - Max. pressure: 63 bar - Temperature range: -20°C/+200°C.

714 - Stainless steel - High temperature

CF8M body & ball.



Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Max. pressure (bar)	63	63	63	63	63	63
code	714004	714005	714006	714007	714008	714009

2 piece body - 800 lbs



97/23/EC directive N° 0948 - 800 lbs - PTFE + carbon graphite seats - Anti-blowout stem - Full bore - Antistatic device - Fire safe BS 6755 - Max. pressure: 138 bar.

717 - Carbon steel

A105 body - 316 ball - Temperature range: -20°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	717002	717003	717004	717005	717006	717007	717008	717009
NPT code	717102	717103	717104	717105	717106	717107	717108	717109

NEW


on request

716 - Stainless steel

316 body & ball - Temperature range: -30°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	716002	716003	716004	716005	716006	716007	716008	716009
NPT code	716102	716103	716104	716105	716106	716107	716108	716109

NEW


on request

718 - Carbon steel schedule 80

A105 body - 316 ball - Length: 100 mm - Temperature range: -20°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Bore	10	10	15	20	25	30	38	48
code	718008	718010	718015	718020	718025	718032	718040	718050

NEW


on request

719 - Stainless steel schedule 80

316 body & ball - Length: 100 mm - Temperature range: -30°C/+180°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Bore	10	10	15	20	25	30	38	48
code	719008	719010	719015	719020	719025	719032	719040	719050

NEW


on request

2 piece body - 1500 lbs

NEW

97/23/EC directive N° 0948 - 1500 lbs - Delrin® seats - PTFE + carbon graphite gaskets - Full bore - Anti-blowout stem - Antistatic device - Max. pressure: 250 bar.



734 - Carbon steel

A105 body - 316 ball - Temperature range: -20°C/+80°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	734002	734003	734004	734005	734006	734007	734008	734009
NPT code	734102	734103	734104	734105	734106	734107	734108	734109

not on stock,
on request.

735 - Stainless steel

316 body & ball - Temperature range: -30°C/+80°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Bore	10	10	15	20	25	30	38	48
BSP code	735002	735003	735004	735005	735006	735007	735008	735009
NPT code	735102	735103	735104	735105	735106	735107	735108	735109

not on stock,
on request.

3 piece body

97/23/EC directive N° 0035 - Risk category II - RTFE seats - Full bore - Anti-blowout stem - Locking device - Max. pressure: 63 bar up to 2", 40 bar above - Temperature range: -20°C/+180°C - ⚠️ **Not for compressed air.**

796 - Carbon steel 

798 - Carbon steel 

797 - Carbon steel 

NEW **796 - Carbon steel**  Please consult for availability

A216WCB body - 304 ball.



	Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
796 code		796002	796003	796004	796005	796006	796007	796008	796009	796010	796011	796012
797 code		797008	797010	797015	797020	797025	797032	797040	797050	797065	797080	797100
798 code		798008	798010	798015	798020	798025	798032	798040	798050	798065	798080	798100
NEW NPT code		796102	796103	796104	796105	796106	796107	796108	796109			

790 - Stainless steel 

792 - Stainless steel 

791 - Stainless steel 

744 - Stainless steel 

CF8M body & ball.



	Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
790 code		790002	790003	790004	790005	790006	790007	790008	790009	790010	790011	790012
791 code		791008	791010	791015	791020	791025	791032	791040	791050	791065	791080	791100
792 code		792008	792010	792015	792020	792025	792032	792040	792050	792065	792080	792100
744 code		744002	744003	744004	744005	744006	744007	744008	744009	-	-	-

3 piece body - ISO pad

97/23/EC directive N° 0035 - Risk category II - RTFE seats - Full bore - Anti-blowout stem - ISO pad - Locking device - Max. pressure: 63 bar up to 2", 40 bar above - Temperature range: -20°C/+180°C - ⚠️ **Not for compressed air.**

740 - Stainless steel 

742 - Stainless steel 

741 - Stainless steel 

743 - Stainless steel 

CF8M body & ball.

NEW
Please consult for availability



	Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
740 code		740002	740003	740004	740005	740006	740007	740008	740009	740010	740011	740012
741 code		741008	741010	741015	741020	741025	741032	741040	741050	741065	741080	741100
742 code		742008	742010	742015	742020	742025	742032	742040	742050	742065	742080	742100
743 code		743002	743003	743004	743005	743006	743007	743008	743009	-	-	-

97/23/EC directive N° 0038 - Risk category III - Stainless steel reinforced PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - Max. pressure: 63 bar up to 2", 40 bar above.

737 - Carbon steel 

738 - Carbon steel 

739 - Carbon steel 

A216WCB body - CF8M ball - Temperature range: -20°C/+200°C.



	Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
737 code		737002	737003	737004	737005	737006	737007	737008	737009	737010	737011	737012
738 code		738008	738010	738015	738020	738025	738032	738040	738050	738065	738080	738100
739 code		739008	739010	739015	739020	739025	739032	739040	739050	739065	739080	739100

747 - Stainless steel 

748 - Stainless steel 

749 - Stainless steel 

CF8M body & ball - Temperature range: -30°C/+200°C.



	Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
747 code		747002	747003	747004	747005	747006	747007	747008	747009	747010	747011	747012
748 code		748008	748010	748015	748020	748025	748032	748040	748050	748065	748080	748100
749 code		749008	749010	749015	749020	749025	749032	749040	749050	749065	749080	749100

3 piece body - ISO pad - Fire Safe



97/23/EC directive N° 0038 - Risk category III / Module H - EN 12516-1 - ANSI B16-34 - 600 lbs class - API 607 firesafe - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - Max. pressure: 140 bar up to 3/4", 125 bar for 1", 100 bar above - ⚠️ **Steam up to 12 bar only.**



702 - Carbon steel

A216WCB body - CF8M ball - Temperature range: -20°C/+218°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
BSP code	702002	702003	702004	702005	702006	702007	702008	702009
BW code	702108	702110	702115	702120	702125	702132	702140	702150
SW code	702208	702210	702215	702220	702225	702232	702240	702250
NPT code	702302	702303	702304	702305	702306	702307	702308	702309

703 - Stainless steel

CF8M body & ball - Temperature range: -30°C/+218°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
BSP code	703002	703003	703004	703005	703006	703007	703008	703009
BW code	703108	703110	703115	703120	703125	703132	703140	703150
SW code	703208	703210	703215	703220	703225	703232	703240	703250
NPT code	703302	703303	703304	703305	703306	703307	703308	703309

Spare oval wheel for 702-703



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	9830440	9830440	9830441	9830441	9830442	9830442	9830443	9830443

Spare stem extension for 702-703



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	9830471	9830471	9830471	9830471	9830472	9830472	9830473	9830473

97/23/EC directive N° 0038 - Risk category III / Module H - 800 lbs WOG - BS 6755.2 fire safe - PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Temperature range: -28°C/+200°C.



712 - Carbon steel

A216WCB body - CF3 ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"*
Max. pressure (bar)	100	100	64	64	40	40	40	40	25	25	20
BSP code	712002	712003	712004	712005	712006	712007	712008	712009	712010	712011	712012
BW code	712108	712110	712115	712120	712125	712132	712140	712150	712165	712180	712199
SW code	712208	712210	712215	712220	712225	712232	712240	712250	712265	712280	712299

* not fire safe.

713 - Stainless steel

CF8M body - CF3M ball.



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"*
Max. pressure (bar)	100	100	64	64	40	40	40	40	25	25	20
BSP code	713002	713003	713004	713005	713006	713007	713008	713009	713010	713011	713012
BW code	713108	713110	713115	713120	713125	713132	713140	713150	713165	713180	713199
SW code	713208	713210	713215	713220	713225	713232	713240	713250	713265	713280	713299

* not fire safe.

Silicone free / dry clean for ADLER valves

DN	10-50	65-80	100	125	150	200
code	9830150	9830151	9830152	9830153	9830154	9830155

3 piece body flanged

sferaco
ROBINETTERIE & RACCORDI

CE
0035

ISO
9001

3.1
10 €/DN

97/23/EC directive N° 0035 - Risk category II - Flanged RF PN40 - DIN 3202 F1 - PTFE seats - Full bore - Anti-blowout stem - Locking device - Max. pressure: 40 bar.

730 - Carbon steel

A216WCB body - 304 ball - Temperature range: -20°C/+180°C.



DN	15	20	25	32	40	50	65	80	100
Face to face	130	150	160	180	200	230	290	310	350
code	730015	730020	730025	730032	730040	730050	730065	730080	730100

731 - Stainless steel

CF8M body & ball - Temperature range: -20°C/+180°C.



DN	15	20	25	32	40	50	65	80	100
Face to face	130	150	160	180	200	230	290	310	350
code	731015	731020	731025	731032	731040	731050	731065	731080	731100

3 piece body flanged - ISO pad

sferaco
ROBINETTERIE & RACCORDI

CE
0038

ISO
9001

3.1
10 €/DN

Ex
3 €/pc

97/23/EC directive N° 0038 - Risk category II - Flanged RF PN40 - DIN 3202 F1 - Stainless steel reinforced PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - Max. pressure: 40 bar.

710 - Carbon steel

A216WCB body - CF8M ball - Temperature range: -20°C/+200°C.



DN	15	20	25	32	40	50	65	80	100
Face to face	130	150	160	180	200	230	290	310	350
code	710015	710020	710025	710032	710040	710050	710065	710080	710100

711 - Stainless steel

CF8M body & ball - Temperature range: -30°C/+200°C.



DN	15	20	25	32	40	50	65	80	100
Face to face	130	150	160	180	200	230	290	310	350
code	711015	711020	711025	711032	711040	711050	711065	711080	711100

Wafer

ISO
9001

3.1
10 €/DN

97/23/EC directive N° 0038 - Risk category III / Module H - Flanged RF PN40 up to DN80, flanged RF PN16 above - PTFE seats - Full bore - ISO pad - Max. pressure: 40 bar up to DN80, 16 bar above.



CE
0038

Ex
3 €/pc

FUGITIVE
EMISSIONS

720 - Carbon steel

A105 body - 304 ball - Temperature range: -28°C/+200°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	35	35	43	51	64	85	103	120	155	182	234	310
code	720015	720020	720025	720032	720040	720050	720065	720080	720100	720125	720150	720200

97/23/EC directive N° 0035 - Risk category II - Flanged RF PN16 - RTFE seats - PTFE gaskets & gland pack - ISO pad - Anti-blowout stem - Full bore - Max. pressure: 16 bar.

sferaco
ROBINETTERIE & RACCORDI

CE
0035

771 - Stainless steel

CF8M body & ball - Temperature range: -20°C/+180°C.



DN	15	20	25	32	40	50	65	80	100	125	150
Face to face	35	39	44	52	64	83	101	118	150	164	182
code	771015	771020	771025	771032	771040	771050	771065	771080	771100	771125	771150

NEW
Please consult for availability

Split body - Standard

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CE
0035

ISO
9001

3.1
10 €/DN

FIRE SAFE

97/23/EC directive N° 0035 - Risk category II / Module D1 - PTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - Temperature range: -40°C/+180°C.

■ Flanged RF PN16

764 - Carbon steel

A216WCB body - CF8M ball - DIN 3202 F4.



DN	15	20	25	32	40	50	65	80	100	125	150
Face to face	115	120	125	130	140	150	170	180	190	325	350
code	764015	764020	764025	764032	764040	764050	764065	764080	764100	764125	764150

765 - Stainless steel

CF8M body & ball - DIN 3202 F4.



DN	15	20	25	32	40	50	65	80	100	125	150
Face to face	115	120	125	130	140	150	170	180	190	325	350
code	765015	765020	765025	765032	765040	765050	765065	765080	765100	765125	765150

■ Flanged RF ANSI 150

793 - Carbon steel

A216WCB body - CF8M ball - ASME B16.10.



DN	15	20	25	32	40	50	65	80	100	150
Face to face	108	117	127	140	165	178	190	203	229	394
code	793015	793020	793025	793032	793040	793050	793065	793080	793100	793150

794 - Stainless steel

CF8M body & ball - ASME B16.10.



DN	15	20	25	32	40	50	65	80	100	150
Face to face	108	117	127	140	165	178	190	203	229	394
code	794015	794020	794025	794032	794040	794050	794065	794080	794100	794150

Split body - Reference +

sferaco
ROBINETTERIE & RACCORDS



10 €/DN 3 €/pc

97/23/EC directive N° 0035 - Risk category II - API 607 fire safe - RTFE seats - Full bore - Anti-blowout stem - Antistatic device - ISO pad - Locking device - Temperature range: -20°C/+200°C.

■ Flanged RF PN16

762 - Carbon steel

A216WCB body - CF8M ball - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above.



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	115	120	125	130	140	150	170	180	190	325	350	400
code	762015	762020	762025	762032	762040	762050	762065	762080	762100	762125	762150	762200

763 - Stainless steel

CF8M body & ball - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above.



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	115	120	125	130	140	150	170	180	190	325	350	400
code	763015	763020	763025	763032	763040	763050	763065	763080	763100	763125	763150	763200

■ Flanged RF ANSI 150

778 - Carbon steel

A216WCB body - CF8M ball - ASME B16.10 - Max. pressure: 20 bar.



DN	15	20	25	32	40	50	65	80	100
Face to face	108	117	127	140	165	178	190	203	229
code	778015	778020	778025	778032	778040	778050	778065	778080	778100

779 - Stainless steel

CF8M body & ball - ASME B16.10 - Max. pressure: 20 bar.



DN	15	20	25	32	40	50	65	80	100
Face to face	108	117	127	140	165	178	190	203	229
code	779015	779020	779025	779032	779040	779050	779065	779080	779100

■ Option

NEW



Gearbox

for 762-763-778-779

DN	150	200
code	9804261	9804262

Split body - High temperature



97/23/EC directive N° 0062 - Risk category III / Module H - Plain PTFE TFM1600 seats - Full bore - Anti-blowout stem - Antistatic system - ISO pad - Locking device - Ball with decompression hole.

■ Flanged RF PN16

752 - Carbon steel

A216WCB body - CF8M ball - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+250°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	115	120	125	130	140	150	170	180	190	325	350	400
code	752015	752020	752025	752032	752040	752050	752065	752080	752100	752125	752150	752200

753 - Stainless steel

CF8M body & ball - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -50°C/+250°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	115	120	125	130	140	150	170	180	190	325	350	400
code	753015	753020	753025	753032	753040	753050	753065	753080	753100	753125	753150	753200

■ Flanged RF ANSI 150

756 - Carbon steel

A216WCB body - CF8M ball - ASME B16.10 - Max. pressure: 20 bar - Temperature range: -29°C/+250°C.

DN	15	20	25	40	50	65	80	100	150	200
Face to face	108	117	127	165	178	190	203	229	394	457
code	756015	756020	756025	756040	756050	756065	756080	756100	756150	756200

757 - Stainless steel

CF8M body & ball - ASME B16.10 - Max. pressure: 20 bar - Temperature range: -50°C/+250°C.

DN	15	20	25	40	50	65	80	100	150	200
Face to face	108	117	127	165	178	190	203	229	394	457
code	757015	757020	757025	757040	757050	757065	757080	757100	757150	757200

■ Flanged RF ANSI 300

768 - Carbon steel

A216WCB body - CF8M ball - ASME B16.10 - Max. pressure: 50 bar - Temperature range: -29°C/+250°C.

DN	15	20	25	40	50	80	100	150
Face to face	140	152	165	190	216	283	305	403
code	768015	768020	768025	768040	768050	768080	768100	768150

769 - Stainless steel

CF8M body & ball - ASME B16.10 - Max. pressure: 50 bar - Temperature range: -50°C/+250°C.

DN	15	20	25	40	50	80	100	150
Face to face	140	152	165	190	216	283	305	403
code	769015	769020	769025	769040	769050	769080	769100	769150

■ Options

NEW

Spare stainless steel lever

for 752-753-756-757-768-769

DN	15-20	25-32	40-50	65	80	100	125-150	200
code	9812090	9812091	9812092	9812093	9812094	9812095	9812096	9812097

NEW

Gearbox

for 752-753-756-757-768-769



DN	150	200
code	9830266	9830267

3 way

Threaded

Excluded from 97/23/EC directive (article 3, § 3) - POM/PTFE ball seats; NBR other seats - Reduced bore.



High pressure

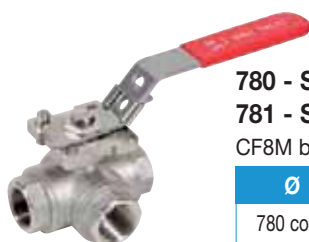


721 - Carbon steel - L port

1.0737 body & ball - Temperature range: -10°C/+100°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"
Max. pressure (bar)	400	400	350	350	350
code	721002	721003	721004	721005	721006

97/23/EC directive N° 0035 - Risk category II - PTFE seats - 4 seats - 3 way tightness - Reduced bore - Anti-blowout stem - Locking device - ISO pad - Max. pressure: 40 bar.



780 - Stainless steel - L port

781 - Stainless steel - T port

CF8M body & ball - Temperature range: -30°C/+140°C.

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
780 code	780002	780003	780004	780005	780006	780007	780008	780009
781 code	781002	781003	781004	781005	781006	781007	781008	781009

Flanged RF PN16

97/23/EC directive N° 0038 - Risk category II - Flanged RF PN16 - RTFE seats - 4 seats - 3 way tightness - Full bore - Anti-blowout stem - Max. pressure: 16 bar.



783 - Carbon steel - L port

784 - Carbon steel - T port

A216WCB body - CF8M ball - Temperature range: -20°C/+150°C.

DN	50	65	80	100	125	150
783 code	783050	783065	783080	783100	783125	783150
784 code	784050	784065	784080	784100	784125	784150

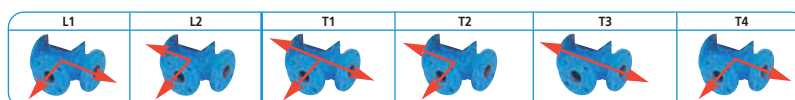


785 - Stainless steel - L port

786 - Stainless steel - T port

CF8M body & ball - Temperature range: -30°C/+150°C.

DN	50	65	80	100	125	150
785 code	785050	785065	785080	785100	785125	785150
786 code	786050	786065	786080	786100	786125	786150



Cast iron ball valves



Wafer

NEW



Excluded from 97/23/EC directive (article 1 § 3.2) - Flanged RF PN10/16 - GG25 body - Chrome plated brass ball - PTFE seats - Full bore - Anti-blowout stem - Max. pressure: 16 bar - Temperature range: -10°C/+150°C.

522 - Wafer

DN	40	50	65	80	100
Face to face	62	72	94	118	140
code	522040	522050	522065	522080	522100

Split body

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CP



3 €/pc

97/23/EC directive from DN65 - Risk category I / Module A - Flanged RF PN10/16 - GG25 body - Stainless steel ball - PTFE seat - Full bore - Anti-blowout stem - ISO pad - Max. pressure: 16 bar - Temperature range: -10°C/+200°C -

⚠ Not suitable for steam / not suitable for compressed air.

507 - DIN 3202 F4 up to DN100, F4 or F5 above

DN	15	20	25	32	40	50	65	80	100	125/F4	125/F5	150/F4	150/F5	200/F5
Face to face	115	120	125	130	140	150	170	180	190	200	325	210	350	400
code	507015	507020	507025	507032	507040	507050	507065	507080	507100	507125	507126	507150	507151	507200

505 - NF 29323

DN	40	50	65	80	100	125	150
Face to face	136	142	154	160	172	186	200
code	505040	505050	505065	505080	505100	505125	505150

Manual ball valves with limit switch box

NEW



Manual valves equipped with SF012 limit switch box IP67 - SPDT 250V-5A (see features page 49).

2 way

502 - Brass (BSP)

PTFE seats - Full bore - Max. pressure: 10 bar - Temperature range: -10°C/+100°C.



DN	code
1/4"	2700900462012
3/8"	2700910462012
1/2"	2700020462012
3/4"	2700030462012
1"	2700040462012
1 1/4"	2700050462012

DN	code
1 1/2"	2700060462012
2"	2700070462012
2 1/2"	2700380462012
3"	2700390462012
4"	2700400462012

736XS - Carbon steel (BSP)

PTFE seats - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.



DN	736XS code
1/4"	2710400462012
3/8"	2710410462012
1/2"	2714620462012
3/4"	2714630462012
1"	2714640462012
1 1/4"	2714650462012
1 1/2"	2714660462012
2"	2714670462012
2 1/2"	2714680462012
3"	2714690462012
4"	2714700462012

746XS - Stainless steel (BSP)

PTFE seats - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.

DN	746XS code
1/4"	2725000462012
3/8"	2725010462012
1/2"	2726420462012
3/4"	2726430462012
1"	2726440462012
1 1/4"	2726450462012
1 1/2"	2726460462012
2"	2726470462012
2 1/2"	2726480462012
3"	2726490462012
4"	2726500462012



on request



on request

762 - Carbon steel

RTFE seats - Full bore - Max. pressure: 40 bar up to DN50, 16 bar above -
Temperature range: -20°C/+200°C.



DN	762 code
15	2742420462012
20	2742430462012
25	2742440462012
32	2742450462012
40	2742460462012
50	2742470462012
65	2742480462012
80	2742490462012
100	2742500462012

763 - Stainless steel

RTFE seats - Full bore - Max. pressure: 40 bar up to DN50, 16 bar above -
Temperature range: -20°C/+200°C.

DN	763 code
15	2743620462012
20	2743630462012
25	2743640462012
32	2743650462012
40	2743660462012
50	2743670462012
65	2743680462012
80	2743690462012
100	2743700462012



3 way

513 - Brass - L port (BSP)

PTFE seats - Reduced bore - Max. pressure: 16 bar -
Temperature range: -10°C/+100°C.



DN	513 L code
1/4"	2750100462012
3/8"	2750110462012
1/2"	2750120462012
3/4"	2750130462012
1"	2750140462012
1"1/4	2750150462012
1"1/2	2750160462012
2"	2750170462012

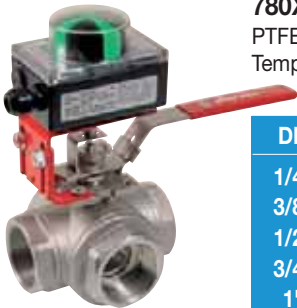
514 - Brass - T port (BSP)

PTFE seats - Reduced bore - Max. pressure: 16 bar -
Temperature range: -10°C/+100°C.

DN	514 T code
1/4"	2750300462012
3/8"	2750310462012
1/2"	2750320462012
3/4"	2750330462012
1"	2750340462012
1"1/4	2750350462012
1"1/2	2750360462012
2"	2750370462012

780XS - Stainless steel - L port (BSP)

PTFE seats - Reduced bore - Max. pressure: 40 bar -
Temperature range: -10°C/+140°C.



DN	780XS L code
1/4"	2754000462012
3/8"	2754010462012
1/2"	2754020462012
3/4"	2754030462012
1"	2754040462012
1"1/4	2754050462012
1"1/2	2754060462012
2"	2754070462012

781XS - Stainless steel - T port (BSP)

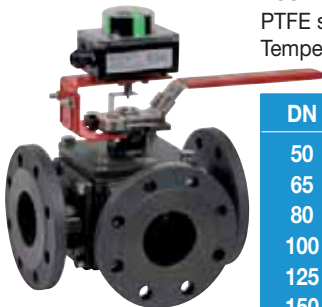
PTFE seats - Reduced bore - Max. pressure: 40 bar -
Temperature range: -10°C/+140°C.

DN	781XS T code
1/4"	2754200462012
3/8"	2754210462012
1/2"	2754220462012
3/4"	2754230462012
1"	2754240462012
1"1/4	2754250462012
1"1/2	2754260462012
2"	2754270462012



783 - Carbon steel - L port

PTFE seats - Full bore - Max. pressure: 16 bar -
Temperature range: -20°C/+150°C.



DN	783 L code
50	2756770462012
65	2756780462012
80	2756790462012
100	2756800462012
125	2756810462012
150	2756820462012

784 - Carbon steel - T port

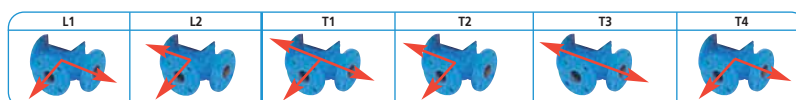
PTFE seats - Full bore - Max. pressure: 16 bar -
Temperature range: -20°C/+150°C.

DN	784 T code
50	2756870462012
65	2756880462012
80	2756890462012
100	2756900462012
125	2756910462012
150	2756920462012



Stainless steel
(785 L & 786 T)
on request

Option for 3 way ball valves	code
Indicator for 3 way L valves	980186
Indicator for 3 way T valves	980187



T port: mention
2 consecutive positions
(example: T3/T4)

Concentric butterfly valves



Cast iron

97/23/EC directive N° 0035 - Risk category I-III / Module H - GG25 body - Epoxy coated - ISO pad - Max. pressure: 16 bar up to DN300, 10 bar above - Temperature range with EPDM seat: -10°C/+110°C (temporarily +130°C) - Gearbox recommended above DN200.

■ Wafer - Between flanges PN10/16 & ANSI 150 (up to DN600)



1125 - Lever - Disc nickel plated GGG40 / Seat EPDM

DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16
code	1125040	1125050	1125065	1125080	1125100	1125125	1125150	1125200	1125250	1125300



1125 - Gearbox - Disc nickel plated GGG40 / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Max. pressure (bar)	16	16	16	16	16	16	10	10	10	10	10	10	10	10	10
code	1125102	1125127	1125152	1125202	1125252	1125302	1125350	1125400	1125450	1125500	1125600	1125700	1125800	1125900	1125990



1123 - Lever - Disc CF8M / Seat EPDM

DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16
code	1123040	1123050	1123065	1123080	1123100	1123125	1123150	1123200	1123250	1123300



1123 - Gearbox - Disc CF8M / Seat EPDM

DN	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Max. pressure (bar)	16	16	16	16	16	16	10	10	10	10	10	10	10	10	10
code	1123102	1123127	1123152	1123202	1123252	1123302	1123350	1123400	1123450	1123500	1123600	1123700	1123800	1123900	1123990



1121 - Lever - Disc CF8M / Seat NBR - Max. temperature 80°C.

DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16
code	1121040	1121050	1121065	1121080	1121100	1121125	1121150	1121200	1121250	1121300



1198 - Spare gearbox (only for butterfly valves 1125, 1123, 1121, 1135 & 1133)

DN	40-50-65-80	100	125-150	200	250	300
code	1198001	1198002	1198003	1198004	1198005	1198006

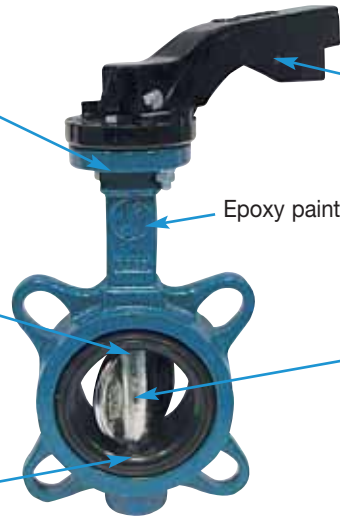
PTFE gaskets for a good tightness.



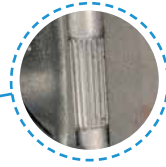
The stem comes through the disc for a perfect rigidity.



Vulcanized seat on insert to resist to water hammer and vacuum.



Epoxy painted, aluminium and locking handle with 10 positions notched pad.



Disc hold by strias eliminating all mechanical moves.

■ Lug - Between flanges PN10/16



1135 - Lever - Disc nickel plated GGG40 / Seat EPDM

.../10: flanges PN10 .../16: flanges PN16

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	16	16	16
code	1135040	1135050	1135065	1135080	1135100	1135125	1135150	1135200	1135201	1135250	1135251	1135300	1135301



1135 - Gearbox - Disc nickel plated GGG40 / Seat EPDM

.../10: flanges PN10 .../16: flanges PN16

DN	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Max. pressure (bar)	16	16	16	16	16	16	16	16	16
code	1135102	1135127	1135152	1135202	1135203	1135252	1135253	1135302	1135303



1133 - Lever - Disc CF8M / Seat EPDM

.../10: flanges PN10 .../16: flanges PN16

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	16	16	16
code	1133040	1133050	1133065	1133080	1133100	1133125	1133150	1133200	1133201	1133250	1133251	1133300	1133301



1133 - Gearbox - Disc CF8M / Seat EPDM

.../10: flanges PN10 .../16: flanges PN16

DN	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Max. pressure (bar)	16	16	16	16	16	16	16	16	16
code	1133102	1133127	1133152	1133202	1133203	1133252	1133253	1133302	1133303

Ductile iron

97/23/EC directive N° 0038 - Risk category III / Module B & C1 - GGG50 body - Rilsan coated - ISO pad - Max. pressure: 16 bar up to DN300, 10 bar above - Gearbox recommended above DN200 - Supplied bare shat above DN300 or with gearbox on specific reference.

■ Wafer - Between flanges PN10/16 - ANSI 150 (up to DN400 / PN10 above)

1150 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **EPDM**

Temperature range: -10°C/+90°C (temporarily +110°C).



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
lever code	1150040	1150050	1150065	1150080	1150100	1150125	1150150	1150200	1150250	1150300	1150350	1150400	1150450	1150500	1150600
gearbox code	-	-	-	-	-	-	-	-	-	-	1150352	1150402	1150452	1150502	1150602

1153 - Disc **CF8M** / Seat **EPDM**

Temperature range: -10°C/+90°C (temporarily +110°C).



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
lever code	1153040	1153050	1153065	1153080	1153100	1153125	1153150	1153200	1153250	1153300	1153350	1153400	1153450	1153500	1153600
gearbox code	-	-	-	-	-	-	-	-	-	-	1153352	1153402	1153452	1153502	-

1149 - Disc **CF8M** / Seat **High Temperature EPDM**

Temperature range: -10°C/+110°C (temporarily +130°C).

NEW



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
code	1149040	1149050	1149065	1149080	1149100	1149125	1149150	1149200	1149250	1149300	1149350	1149400	1149450	1149500	1149600

1152 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **NBR**

Temperature range: -10°C/+90°C.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10
lever code	1152040	1152050	1152065	1152080	1152100	1152125	1152150	1152200	1152250	1152300	1152350	1152400	1152450	1152500
gearbox code	-	-	-	-	-	-	-	-	-	-	1152352	1152402	1152452	1152502

1151 - Disc **CF8M** / Seat **NBR**

Temperature range: -10°C/+90°C.



DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16
code	1151040	1151050	1151065	1151080	1151100	1151125	1151150	1151200	1151250	1151300

General certifications & approvals on TTV valves

97/23/EC	QUALITY	MARINE	GAS	GOST-R	ATEX	VOLKSWAGEN	NATO
 0038							



1156 - Disc CF8M / Seat White NBR
Temperature range: -10°C/+90°C.

NEW

DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	10	10
code	1156040	1156050	1156065	1156080	1156100	1156125	1156150	1156200	1156250	1156300



1158 - Disc Aluminium Bronze / Seat NBR
Temperature range: -10°C/+90°C.

NEW

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
code	1158040	1158050	1158065	1158080	1158100	1158125	1158150	1158200	1158250	1158300	1158350	1158400	1158450	1158500	1158600



1147 - Disc GGG50 (Disc CF8M up to DN100) / Seat Carboxylated NBR
Temperature range: -10°C/+90°C.

DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16
code	1147040	1147050	1147065	1147080	1147100	1147125	1147150	1147200	1147250	1147300



1154 - Disc CF8M / Seat FKM (Viton®)
Temperature range: -5°C/+180°C.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
lever code	1154040	1154050	1154065	1154080	1154100	1154125	1154150	1154200	1154250	1154300	1154350	1154400	1154450	1154500	1154600
gearbox code	-	-	-	-	-	-	-	-	-	-	1154352	1154402	-	-	-



1157 - Disc CF8M / Seat Silicone
Temperature range: -30°C/+150°C.

NEW

NEW

DN	32-40	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16
code	1157040	1157050	1157065	1157080	1157100	1157125	1157150	1157200	1157250	1157300



1141 - For gas - Disc GGG50 (Disc CF8M up to DN100) / Seat NBR
Max. pressure: 5 bar (class MOP5) - Temperature range: -20°C/+60°C.



DN	32-40	50	65	80	100	125	150	200
Max. pressure (bar)	5	5	5	5	5	5	5	5
code	1141040	1141050	1141065	1141080	1141100	1141125	1141150	1141200



1145 - Disc CF8M / Seat PTFE

Temperature range: -25°C/+200°C.

DN	32-40	50	65	80	100	125	150	200	250*	300*
Max. pressure (bar)	16	16	16	16	16	16	16	10	10	10
code	1145040	1145050	1145065	1145080	1145100	1145125	1145150	1145200	1145250	1145300

*Includes gear box.

NEW
Lug type available please consult



1155 - Disc CF8M + PTFE / Seat PTFE

Temperature range: -25°C/+200°C.

DN	32-40	50	65	80	100	125	150	200	250*	300*
Max. pressure (bar)	16	16	16	16	16	16	16	10	10	10
code	1155040	1155050	1155065	1155080	1155100	1155125	1155150	1155200	1155250	1155300

*Includes gear box.

NEW
Lug type available please consult



1144 - For fire network - Disc GGG50 / Seat EPDM

FM approved - Temperature range: -10°C/+90°C.

DN	50	65	80	100	125	150	200	250	300
Max. pressure (bar)	16	16	16	16	16	16	16	16	16
code	1144050	1144065	1144080	1144100	1144125	1144150	1144200	1144250	1144300



Lug - Between flanges PN10/16



1160 - Disc GGG50 (Disc CF8M up to DN100) / Seat EPDM

Temperature range: -10°C/+90°C (temporarily +110°C).

	.../10: flanges PN10								.../16: flanges PN16						
DN	32	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	350/10	400/10
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	16	16	16	10	10
without gearbox code	1160032	1160040	1160050	1160065	1160080	1160100	1160125	1160150	1160200	1160201	1160250	1160251	1160300	1160350	1160400
with gearbox code	-	-	-	-	-	-	-	-	-	-	-	-	-	1160352	1160402



1163 - Disc CF8M / Seat EPDM

Temperature range: -10°C/+90°C (temporarily +110°C).

	.../10: flanges PN10								.../16: flanges PN16						
DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16	350/10	400/10
Max. pressure (bar)	16	16	16	16	16	16	16	16	16	16	16	16	16	10	10
code	1163040	1163050	1163065	1163080	1163100	1163125	1163150	1163200	1163201	1163250	1163251	1163300	1163301	1163350	1163400



1162 - Disc GGG50 (Disc CF8M up to DN100) / Seat NBR

Temperature range: -10°C/+90°C.

DN	40	50	65	80	100	125	150	200	250
Max. pressure (bar)	16	16	16	16	16	16	16	16	16
code	1162040	1162050	1162065	1162080	1162100	1162125	1162150	1162200	1162250

NEW



NEW

1164 - Disc **CF8M** / Seat **FKM (Viton®)**

Temperature range: -5°C/+180°C.

DN	40	50	65	80	100	125	150	200
Max. pressure (bar)	16	16	16	16	16	16	16	16
code	1164040	1164050	1164065	1164080	1164100	1164125	1164150	1164200



1181 - For gas - Disc **GGG50 (CF8M up to DN100)** / Seat **NBR**

Max. pressure: 5 bar (class MOP5) - Temperature range: -20°C/+60°C.

DN	40	50	65	80	100	125	150	200
Max. pressure (bar)	5	5	5	5	5	5	5	5
code	1181040	1181050	1181065	1181080	1181100	1181125	1181150	1181200



Carbon steel & stainless steel

97/23/EC directive N°0038 - Risk category III / Module B & C1 - Between flanges PN10/16 & ANSI 150 - Metal seat - ISO pad - Max. pressure: 16 bar - Uncomplete tightness: loss factor 2% of Kvs - ⚠ **Not suitable for steam.**



Smoke. Uncomplete tightness

1111 - Body **A216WCB** / Disc **CF8M**

Temperature range: -20°C/+350°C.

DN	32-40	50	65	80	100	125	150	200
code	1111040	1111050	1111065	1111080	1111100	1111125	1111150	1111200

1112 - Body & Disc **CF8M**

Temperature range: -30°C/+350°C.

DN	32-40	50	65	80	100	125	150	200
code	1112040	1112050	1112065	1112080	1112100	1112125	1112150	1112200

Accessories for TTV butterfly valves



1197 - Gear box with position indicator

DN	50	65	80-100	125-150	200	250	300	350	400	450	500	600
code	1197050	1197065	1197100	1197150	1197200	1197250	1197300	1197350	1197400	1197451	1197501	1197601



1194 - Chain wheel

DN	40-50	65	80-100	125-150	200	250	300	350	400
code	1194050	1194065	1194100	1194150	1194200	1194250	1194300	1194350	1194400

Chain	per m
code	9866209



98666 - Stem extension (75 mm)

DN	32-40-50	65	80-100	125-150	200	250	300
code	9866601	9866602	9866603	9866604	9866605	9866606	9866607

Other stem extensions on request



1196 - Cast iron sleeve - DIN 3202 F4

DN	40	50	65	80	100	125	150	200
Length	107	107	124	134	138	144	154	170
DIN total length	140	150	170	180	190	200	210	230
code	1196040	1196050	1196065	1196080	1196100	1196125	1196150	1196200

Manual butterfly valves with limit switch box



NEW

Manual valves equipped with SF012 limit switch box IP67 - SPDT 250V-5A (see features page 49).



1150 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **EPDM** - See features of the valve page 24.

1153 - Disc **CF8M** / Seat **EPDM** - See features of the valve page 24.

DN	1150 code
40	2603030462012
50	2603040462012
65	2603050462012
80	2603060462012
100	2603070462012
125	2603080462012
150	2603090462012
200	2603100462012

DN	1153 code
40	2603630462012
50	2603640462012
65	2603650462012
80	2603660462012
100	2603670462012
125	2603680462012
150	2603690462012
200	2603700462012

Manual valves equipped with Atex SK012 limit switch box IP67 - Protection rating EX II 2G/D EEx d II B T5/T6 - SPDT 250V-5A (see features page 49).



1141 - Disc **GGG50** (Disc **CF8M** up to DN100) / Seat **EPDM** - See features of the valve page 25.

DN	code
40	2605930477012
50	2605940477012
65	2605950477012
80	2605960477012
100	2605970477012
125	2605980477012
150	2605990477012
200	2606000477012

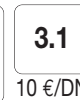


10 €/pc

Double eccentric butterfly valves

Carbon steel & stainless steel

97/23/EC directive N° 0035 - Risk category III / Module H - API 607 fire safe - PTFE seats (15% graphite filled) - ISO pad - Max. pressure: 25 bar - Temperature range: -20°C/+210°C - Supplied with gearbox above DN150.



1113 - Between flanges PN25 - Body A216WCB / Disc CF8M

DN	50	65	80	100	125	150	200	250	300	350
Max. pressure (bar)	25	25	25	25	25	25	25	25	25	25
code	1113050	1113065	1113080	1113100	1113125	1113150	1113200	1113250	1113300	1113350

1114 - Between flanges PN25 - Body CF8M / Disc CF8M

DN	50	65	80	100	125	150	200	250	300	350
Max. pressure (bar)	25	25	25	25	25	25	25	25	25	25
code	1114050	1114065	1114080	1114100	1114125	1114150	1114200	1114250	1114300	1114350

1115 - Between flanges ANSI 150 - Body A216WCB / Disc CF8M

DN	50	65	80	100	125	150	200	250	300	350
Max. pressure (bar)	25	25	25	25	25	25	25	25	25	25
code	1115050	1115065	1115080	1115100	1115125	1115150	1115200	1115250	1115300	1115350

1116 - Between flanges ANSI 150 - Body CF8M / Disc CF8M

DN	50	65	80	100	125	150	200	250	300	350
Max. pressure (bar)	25	25	25	25	25	25	25	25	25	25
code	1116050	1116065	1116080	1116100	1116125	1116150	1116200	1116250	1116300	1116350

NEW



1193 - Gear box with position indicator (only for butterfly valves 1113, 1114, 1115 & 1116)

DN	50-65	80	100	125-150
code	1193001	1193002	1193003	1193004

Knife gate valves



3.1

-GATE® 10 €/DN

Uni-directional tightness

Excluded from 97/23/EC directive (article 3, § 3) - Uni-directional tightness: specific mounting position - Flanged PN10 - NFE 29311 - DIN 3230 - ISO 5208 - Rising rotating stem, non rising hand wheel - Rilsan painted.



Handwheel operated

170 - Cast iron - NBR gasket

GG25 body - Stainless steel 304 gate - Temperature range: -10°C/+80°C.

NEW 171 - Cast iron - EPDM gasket Please consult for availability

GG25 body - Stainless steel 304 gate - Temperature range: -15°C/+110°C.

176 - Cast iron - Metal seat

GG25 body - Stainless steel 304 gate - Temperature range: -10°C/+80°C - Uncomplete tightness: loss factor 2%.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
Max. pressure (bar)	10	10	10	10	10	10	10	8	6	4	4	3	3	3	2	2
170 code	170050	170065	170080	170100	170125	170150	170200	170250	170300	170350	170400	170450	170500	170600	170700	170800
171 code	171050	171065	171080	171100	171125	171150	171200	-	-	-	-	-	-	-	-	-
176 code	176050	176065	176080	176100	176125	176150	176200	176250	176300	-	-	-	-	-	-	-



172 - Stainless steel - EPDM gasket

CF8M - Stainless steel 316 gate - Temperature range: -15°C/+110°C.

DN	50	65	80	100	125	150	200	250	300	350	400
Max. pressure (bar)	10	10	10	10	10	10	10	8	6	4	4
code	172050	172065	172080	172100	172125	172150	172200	172250	172300	172350	172400

NEW

Handwheel operated - With limit switch

170 - Cast iron - NBR gasket

GG25 body - Stainless steel 304 gate - Temperature range: -10°C/+80°C - Limit switch for open position.

DN	100	125	150	200	250	300	350	400	450	500	600	700	800
Max. pressure (bar)	10	10	10	10	8	6	4	4	3	3	2	2	2
code	170101	170126	170151	170201	170251	170301	170351	170401	170451	170501	170601	170701	170801



ISO pad for electric actuator

Same features as above, except: F10 ISO pad.

170 - Cast iron - NBR gasket

176 - Cast iron - Metal seat

172 - Stainless steel - EPDM gasket

* 40 € to be added for special packaging

DN	50	65	80	100	125	150	200	250*	300*	350*	400*
Stem (diam x pitch)	20 x 4	20 x 4	20 x 4	20 x 4	20 x 4	25 x 5	25 x 5	25 x 5	25 x 5	35 x 6	35 x 6
Nbr. of turns	13	16	20	25	31	38	40	50	60	58	67
Torque (Nm)	20	22	25	30	35	40	46	52	60	80	110
170 ISO code	440004ISO	440005ISO	440006ISO	440007ISO	440008ISO	440009ISO	440010ISO	440011ISO	440012ISO	440013ISO	440014ISO
176 ISO code	446004ISO	446005ISO	446006ISO	446007ISO	446008ISO	446009ISO	446010ISO	446011ISO	446012ISO	446013ISO	446014ISO
172 ISO code	445004ISO	445005ISO	445006ISO	445007ISO	445008ISO	445009ISO	445010ISO	445011ISO	445012ISO	445013ISO	445014ISO



Options for uni-directional valves only

Lever set

DN	50	65	80	100	125	150	200	250	300
code	9801780	9801781	9801782	9801783	9801784	9801785	9801786	9801787	9801788



NEW**Chain wheel**

DN	50 to 150	200 to 300	350 to 600
code	9801790	9801791	9801792

Chain

per m	
code	9801795

**Limit switches** (set of 2 limit switches)

DN	50 to 150	200 to 300
code	9801351	9801352

Spare limit switch (1 piece)

DN	50 to 700
code	9801350

NEW**Stainless steel lateral bracket**

DN	50	65	80	100	125	150	200	250	300	350	400
code	9802221	9802222	9802223	9802224	9802225	9802226	9802227	9802228	9802229	9802230	9802231

**Deflector**

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
code	9801820	9801821	9801822	9801823	9801824	9801825	9801826	9801827	9801828	9801829	9801830	9801835	9801836	9801837

Spare seat (mounted with the valve when ordered at the same time)

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
code	9801851	9801852	9801853	9801854	9801855	9801856	9801857	9801858	9801859	9801860	9801861	9801862	9801863	9801864
code	9801870	9801871	9801872	9801873	9801874	9801875	9801876	9801877	9801878	9801879	9801880	9801881	9801882	9801883
code	9801910	9801911	9801912	9801913	9801914	9801915	9801916	9801917	9801918	9801919	9801920	-	-	-
code	9801930	9801931	9801932	9801933	9801934	9801935	9801936	9801937	9801938	9801939	9801940	-	-	-

NBR

-10°C/+80°C

EPDM

-15°C/+110°C

FKM

-10°C/+180°C

NEW**SILICONE**

-20°C/+200°C

Bi-directional tightness

Same as unidirectional valves ref 170, except: bi-directional tightness, non rising stem & handwheel.

**Handwheel operated****178 - Cast iron - NBR gasket**

GG25 body - Stainless steel 304 gate - Temperature range: -10°C/+80°C.

DN	50	65	80	100	125	150	200	250	300	350	400
Max. pressure (bar)	10	10	10	10	10	10	10	8	6	4	4
code	178050	178065	178080	178100	178125	178150	178200	178250	178300	178350	178400

NEW**Handwheel operated - With limit switch****178 - Cast iron - NBR gasket**

GG25 body - Stainless steel 304 gate - Temperature range: -10°C/+80°C - Limit switch for open position.

DN	50	65	80	100	125	150	200	250	300	350	400
Max. pressure (bar)	10	10	10	10	10	10	10	8	6	4	4
code	178051	178066	178081	178101	178126	178151	178201	178251	178301	178351	178401

Gate valves

Threaded

97/23/EC directive N° 0038 / Module H - Non rising stem - CF8M body & gate - Metal seats - Full bore - Max. pressure: 16 bar - Temperature range: -20°C/+180°C.



106 - Stainless steel

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
code	106004	106005	106006	106007	106008	106009

Flanged

■ Metal seat gate valves

Excluded from 97/23/EC directive (article 1, § 3.2) - Flanged RF PN10 - DIN 3202 F4 - Non rising stem & handwheel - Max. pressure: 10 bar up to DN150, 6 bar above - Temperature range: -10°C/+90°C.



150 - Cast iron GG25 - Metal seat

DN	40	50	65	80	100	125	150	200	250	300
Face to face	140	150	170	180	190	200	210	230	250	270
code	150040	150050	150065	150080	150100	150125	150150	150200	150250	150300

NEW

Please consult for availability

97/23/EC directive N° 0409 - Flanged RF PN16 - DIN 3202 F4 - Rising stem - Non rising handwheel - Max. pressure: 16 bar - Temperature range: -10°C/+120°C.



156 - Ductile iron GGG50 - Metal seat

DN	40	50	65	80	100	125	150	200	250	300
Face to face	140	150	170	180	190	200	210	230	250	270
code	156040	156050	156065	156080	156100	156125	156150	156200	156250	156300

■ Resilient seated gate valves

Excluded from 97/23/EC directive (article 3, § 3) - Ductile iron GGG50 body - Flanged RF PN10/16 - Non rising stem - Full and total bore - Clockwise closing - Epoxy coated.



180 - EPDM wedge - DIN 3202 F4 - With handwheel

Temperature range: -10°C/+110°C.

.../10: flanges PN10 .../16: flanges PN16

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Face to face	140	150	170	180	190	200	210	230	230	250	250	270	270
code	180040	180050	180065	180080	180100	180125	180150	180200	180201	180250	180251	180300	180301



NEW



182 - NBR wedge - DIN 3202 F4 - With handwheel

Temperature range: -10°C/+70°C - ⚠ Additional delivery time 2-3 days.

.../10: flanges PN10 .../16: flanges PN16

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Face to face	140	150	170	180	190	200	210	230	230	250	250	270	270
code	182040	182050	182065	182080	182100	182125	182150	182200	182201	182250	182251	182300	182301

Square cap for 180-182

DN	40	50	65	80	100	125	150	200	250	300
code	9801831	9801831	9801831	9801832	9801832	9801833	9801833	9801833	9801834	9801834

NEW

Please consult for availability



184 - EPDM wedge - DIN 3202 F5 - With square cap

Temperature range: -10°C/+110°C.

.../10: flanges PN10 .../16: flanges PN16

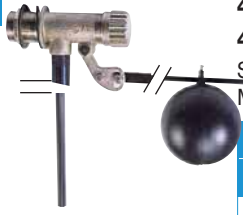
DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Face to face	240	250	270	280	300	325	350	400	400	450	450	500	500
code	184040	184050	184065	184080	184100	184125	184150	184200	184201	184250	184251	184300	184301



Floating ball valves



Excluded from 97/23/EC directive (article 1, § 3.2).



490 - Brass body - PE ball (BSP)

491 - Brass body - Copper ball (BSP)

Stainless steel inner mechanism - EPDM gasket -
Max. pressure: 10 bar - Temperature range: 0°C/+40°C.



	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Ø male	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Ø ball	120	150	180	220	220	300
490 code	490004	490005	490006	490007	490008	490009
491 code	491004	491005	491006	491007	491008	491009



494 - Stainless steel (BSP)

304 body & inner mechanism -
316 ball - FKM gasket -
Temperature range: -5°C/+90°C.

ISO
9001

	3/4"	3/4"
Ø male	3/4"	3/4"
Ø ball	156	245
Max. pressure (bar)	6	8
code	494005	494105

NEW

6200 - PVC body - EPDM seats

6201 - PVC body - FKM seats

PVC-U body - PE ball - Stainless steel lever - Max. pressure: 10 bar - Temperature range: 0°C/+60°C.



	15	20	25	32	40	50	65	80
DN	15	20	25	32	40	50	65	80
d (mm)	20	25	32	40	60	63	75	90
6200 code	6200RT015	6200RT020	6200RT025	6200RT032	6200RT040	6200RT050	6200RT065	6200RT080
6201 code	6201RT015	6201RT020	6201RT025	6201RT032	6201RT040	6201RT050	6201RT065	6201RT080

Needle valves



Excluded from 97/23/EC (directive article 3, § 3) -
For compatible common fluids from group 2.



482 - Bronze (BSP)

Brass hat, needle & seat - Max. pressure: 25 bar -
Temperature range: -10°C/+180°C.

Ø	1/4"	3/8"	1/2"	3/4"
code	482002	482003	482004	482005

High
pressure



481 - Stainless steel (BSP)

487 - Stainless steel (NPT)

488 - Stainless steel (BSP) male-female

Max. pressure: 400 bar -
Temperature range: -20°C/+180°C.

3.1
10 €/DN 3 €/pc

Ø	1/4"	3/8"	1/2"	3/4"
481 code	481002	481003	481004	481005
487 code	487002	487003	487004	487005
488 code	488002	488003	488004	488005

NEW

484 - A105/F6 forged steel (BSP)

483 - A105/F6 forged steel (NPT)

486 - A105/F6 forged steel (SW)

3.1
10 €/DN 3 €/pc

Graphite gland pack - 3000 psi - Max. pressure: 200 bar -
Temperature range: -20°C/+250°C.



Ø	1/4"	3/8"	1/2"	3/4"	1"
484 code	484002	484003	484004	484005	484006
483 code	483002	483003	483004	483005	483006
486 code	486008	486010	486015	486020	486025

Globe valves



Threaded

97/23/EC directive N° 0497 - For compatible common fluids from group 2 - Risk category III -
Bronze body - Brass union hat - SS316L seat - Max. pressure: 25 bar - Temperature range: -10°C/+180°C.

CE
0497 ISO
9001

451 - Bronze (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	451002	451003	451004	451005	451006	451007	451008	451009



97/23/EC directive - Risk category I / Module A - For compatible common fluids from group 2 -
CF8M body - SS316 globe - Metal seat - Max. pressure: 16 bar - Temperature range: -20°C/+180°C.

CE
ISO
9001 3.1
10 €/DN

485 - Stainless steel (BSP)

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	485004	485005	485006	485007	485008	485009



Flanged

■ Flanged RF PN16



Excluded from 97/23/EC directive (article 3, § 3) - For compatible common fluids from group 2 - DIN 3202 F1 - Stainless steel stem & seat - Rising stem - Max. pressure: 16 bar - Temperature range: -10°C/+120°C.

sferaco
ROBINETTERIE & RACCORDI

3.1
10 €/DN

470 - Cast iron GG25 - Flanged PN16

DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	470015	470020	470025	470032	470040	470050	470065	470080	470100	470125	470150	470200

97/23/EC directive N° 0062 - Risk category III / Module H - For compatible common fluids from group 2 - DIN 3202 F1 - Stainless steel stem & seat - Max. pressure: 16 bar - ⚠️ **Steam up to 10 bar only.**

CE
0062

ISO
9001

3.1
10 €/DN

479 - Cast iron GG25

Rising stem - Temperature range: -10°C/+300°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	479015	479020	479025	479032	479040	479050	479065	479080	479100	479125	479150	479200

476 - Ductile iron GGG40 - With stainless steel bellow

Non rising stem - Temperature range: -10°C/+350°C.



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	476015	476020	476025	476032	476040	476050	476065	476080	476100	476125	476150	476200

■ Flanged RF PN25/40

97/23/EC directive N° 0062 - Risk category III / Module H - For common fluids - DIN 3202 F1 - Stainless steel stem & seat - Rising stem - Max. pressure: 40 bar - Temperature range: -20°C/+400°C.

CE
0062

ISO
9001

3.1
10 €/DN

471 - Carbon steel A216WCB.



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	471015	471020	471025	471032	471040	471050	471065	471080	471100	471125	471150	471200

475 - Carbon steel A216WCB - With stainless steel bellow



DN	15	20	25	32	40	50	65	80	100	125	150	200
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	475015	475020	475025	475032	475040	475050	475065	475080	475100	475125	475150	475200

Forged valves

Carbon steel - 800 lbs



97/23/EC directive N° 0036 - Risk category III / Module H - A105 carbon steel body - TRIM 8 (stellite seat) - Bolted gland pack & bonnet - Rising stem for gate & globe valves - Max. pressure: 138 bar - Temperature range: -20°C/+440°C.

Gate valves

113 - Threaded

112 - Welding

114 - Threaded

F6 gate - A410 stellite seat - Graphite gland pack.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
113 code	113003	113004	113005	113006	113007	113008	113009
112 code	112010	112015	112020	112025	112032	112040	112050
114 code	114003	114004	114005	114006	114007	114008	114009

Globe valves

413 - Threaded

412 - Welding

414 - Threaded

F6 globe - A410 stellite seat - Graphite gland pack.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
413 code	413003	413004	413005	413006	413007	413008	413009
412 code	412010	412015	412020	412025	412032	412040	412050
414 code	414003	414004	414005	414006	414007	414008	414009

Globe valves with stainless steel bellow

403 - Threaded

402 - Welding

404 - Threaded



Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
403 code	403004	403005	403006	403007	403008	403009
402 code	402015	402020	402025	402032	402040	402050
404 code	404004	404005	404006	404007	404008	404009

Piston check valves

313 - Threaded

312 - Welding

314 - Threaded

A410 piston - A410 stellite seat - With spring - All positions.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
313 code	313003	313004	313005	313006	313007	313008	313009
312 code	312010	312015	312020	312025	312032	312040	312050
314 code	314003	314004	314005	314006	314007	314008	314009

■ Ball check valves

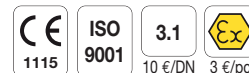
319 - Threaded 

318 - Welding 

A410 ball - A410 stellite seat - Horizontal mounting.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
319 code	319003	319004	319005	319006	319007	319008	319009
318 code	318010	318015	318020	318025	318032	318040	318050



■ Y-strainers

97/23/EC directive N° 1115 - Risk category II - For compatible common fluids of group 2 - A105 carbon steel body - Mesh 0,8 mm - With draining cap - Max. pressure: 138 bar - Temperature range: -20°C/+440°C.

231 - Threaded 

232 - Welding 

234 - Threaded 



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
231 code	231002	231003	231004	231005	231006	231007	231008	231009
232 code	232008	232010	232015	232020	232025	232032	232040	232050
234 code	234002	234003	234004	234005	234006	234007	234008	234009

Stainless steel 316 - 800 lbs



97/23/EC directive N° 0036 - Risk category III / Module H - Stainless steel 316 body & inner parts - TRIM 10 (F316, standard stainless steel 316 on seat and stem) - Bolted gland pack & bonnet - Rising stem for gate & globe valves - Max. pressure: 138 bar - Temperature range: -30°C/+440 °C.

■ Gate valves

153 - Threaded 

152 - Welding 

F316 gate - 316 seat - Graphite gland pack.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
153 code	153003	153004SF	153005SF	153006SF	153007	153008	153009
152 code	152010	152015	152020	152025	152032	152040	152050

■ Globe valves

453 - Threaded 

452 - Welding 

F316 globe - 316 seat - Graphite gland pack.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
453 code	453003	453004	453005	453006	453007	453008	453009
452 code	452010	452015	452020	452025	452032	452040	452050

■ Ball check valves

359 - Threaded 

358 - Welding 

316 ball & seat.



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
359 code	359003	359004	359005	359006	359007	359008	359009
358 code	358010	358015	358020	358025	358032	358040	358050

Check valves



Spring - All positions - Stainless steel



97/23/EC directive N° 0496 - Risk category III / Module H - SS316 body, ball & seat - Max. pressure: 400 bar - Temperature range: -20°C/+180°C.



High pressure



388 - 2 piece body (BSP)

389 - 2 piece body (NPT)

Ø	1/4"	3/8"	1/2"	3/4"	1"
388 code	388002	388003	388004	388005	388006
389 code	389002	389003	389004	389005	389006

Excluded from 97/23/EC directive (article 3, § 3) - Stainless steel body - SS304 Disc - FKM seat - Max. pressure: 16 bar - Temperature range: -10°C/+150°C.



NEW



327 - Stainless steel 304 (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"
Face to face	66	66	66	72	83	105	115	125	145
code	327002	327003	327004	327005	327006	327007	327008	327009	327010

NEW



326 - Stainless steel 316 (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"
Face to face	66	66	66	72	83	105	115	125	145
code	326002	326003	326004	326005	326006	326007	326008	326009	326010

97/23/EC directive N° 0035 - Risk category III - CF8M body - SS316 Disc - Metal-metal tightness - PTFE body seats - Max. pressure: 63 bar - Temperature range: -20°C/+200°C.



380 - 3 piece body - Threaded (BSP)

384 - 3 piece body - Threaded (NPT)



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
380 code	380002	380003	380004	380005	380006	380007	380008	380009	380010	380011	380012
384 code	384002	384003	384004	384005	384006	384007	384008	384009	-	-	-

381 - 3 piece body - Welding (BSW)

382 - 3 piece body - Welding (ISW)



DN	8	10	15	20	25	32	40	50	65	80	100
381 code	381008	381010	381015	381020	381025	381032	381040	381050	381065	381080	381100
382 code	382008	382010	382015	382020	382025	382032	382040	382050	382065	382080	382100

383 - 3 piece body - With strainer basket (BSP)



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	383003	383004	383005	383006	383007	383008	383009	383010	383011	383012

386 - Wafer type - Between flanges PN10/16/25/40 (or ANSI 150 for ref. marked*)

Same as above except: max. pressure: 40 bar.



DN	15	20	25	25*	32	32*	40	40*	50	65	80	100
Face to face	16,5	20	22	22	28	28	32	32	40	46	50	60
code	386015	386020	386025	386225	386032	386232	386040	386240	386050	386065	386080	386100

Swing

97/23/EC directive - Risk category I / Module A - CF8M body & plate - Metal-metal tightness -
Max. pressure: 16 bar - Temperature range: -20°C/+200°C -
⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**



320 - Stainless steel (BSP)

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	320002	320003	320004	320005	320006	320007	320008	320009

Excluded from 97/23/EC directive (article 1, § 3-2) - GG25 body & plate - Flanged RF PN16 -
DIN 3202 F6 - Max. pressure: 16 bar - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

ISO
9001

360 - Cast iron - Metal seat

Temperature range: -10°C/+120°C.

362 - Cast iron - EPDM seat

Temperature range: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200
Face to face	180	200	240	260	300	350	400	500
360 code	360040	360050	360065	360080	360100	360125	360150	360200
362 code	362040	362050	362065	362080	362100	362125	362150	362200

Wafer swing - Single plate

Excluded from 97/23/EC directive (article 1, § 3-2) - Between flanges PN16 - NF 29337 -
Max. pressure: 16 bar up to DN200, 10 bar above - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

3.1
10 €/DN



364 - Carbon steel - EPDM gasket

Temperature range: -10°C/+110°C.

351 - Carbon steel - NBR gasket

Temperature range: -10°C/+80°C.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Face to face	14	14	14	14	18	18	20	22	26	28	36	41	50	56	56
364 code	364040	364050	364065	364080	364100	364125	364150	364200	364250	364300	364350	364400	364450	364500	364600
351 code	351040	351050	351065	351080	351100	351125	351150	351200	351250	351300	-	-	-	-	-



365 - Stainless steel 316 - FKM (Viton®) gasket

Temperature range: -10°C/+180°C.

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Face to face	14	14	14	14	18	18	20	22	26	28	36	41	50	56	56
code	365040	365050	365065	365080	365100	365125	365150	365200	365250	365300	365350	365400	365450	365500	365600

Wafer swing - Dual plate

97/23/EC directive N° 0035 - Risk category II - GG25 body - Between flanges PN10/16 -
Max. pressure: 16 bar up to DN300, 10 bar above.



370 - NBR gasket - Ductile iron plates

Temperature range: -10°C/+90°C.

371 - EPDM gasket - Stainless steel plates

Temperature range: -10°C/+110°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Face to face	54	54	57	64	70	76	95	108	144	184	191	203	213	222
370 code	370050	370065	370080	370100	370125	370150	370200	370250	370300	370350	370400	370450	370500	370600
371 code	371050	371065	371080	371100	371125	371150	371200	371250	371300	-	-	-	-	-

97/23/EC directive N° 0035 - Risk category II - CF8M body - Between flanges PN25 -
Max. pressure: 16 bar up to DN300, 10 bar above.



372 - Stainless steel 316 - FKM (Viton®) gasket

Temperature range: -10°C/+200°C.

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Face to face	54	54	57	64	70	76	95	108	144	184	191	203	213	222
code	372050	372065	372080	372100	372125	372150	372200	372250	372300	372350	372400	372450	372500	372600

Vertical lift

97/23/EC directive N° 0497 - Risk category III - Bronze body - Brass union cap - SS316L seat & clack -
Max. pressure: 25 bar - Temperature range: -10°C/+180°C.



350 - Bronze

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	350002	350003	350004	350005	350006	350007	350008	350009

Anti-pollution



Excluded from 97/23/EC directive (article 1, § 3.2) - Flanged PN10/16 - Ductile iron body & hat - Epoxy coated -
Bronze inner part - EPDM gasket - Includes 2 tapping valves 1/2" - Max. pressure: 16 bar - Temperature range: +10°C/+60°C.

NEW



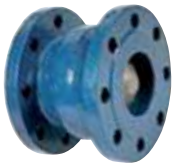
346 - Ductil iron

DN	40/50	60/65	80	100	150
Face to face	230	290	310	350	480
code	346050	346065	346080	346100	346150

Spring - Cast iron

Excluded from 97/23/EC directive (article 3, § 3) - GG25 body - Epoxy coated - EPDM gasket - All positions.

ISO 9001



369 - Flanged PN16

304 throttle - Max. pressure: 16 bar - Temperature range: -10°C/+110°C.



3.1

10 €/DN

DN	50	65	80	100	125	150	200	250	300
Face to face	100	120	135	165	200	231	288	354	395
code	369050	369065	369080	369100	369125	369150	369200	369250	369300

366 - Flanged PN16 - For drinking water

GGG40 throttle - Max. pressure: 16 bar - Temperature range: -10°C/+130°C.



3.1

10 €/DN



DN	50	65	80	100	125	150	200	250	300
Face to face	100	120	140	165	195	230	290	355	400
code	366050	366065	366080	366100	366125	366150	366200	366250	366300

Ball

Excluded from 97/23/CE directive (article 1, § 3.2) - For water treatment and water distribution networks -
EN 12050-4 for lifting stations.

Threaded

331 - Ductile iron GGG40 - Epoxy coated

NBR ball up to 1"1/2, NBR coated aluminium ball above -
Max. pressure: 10 bar - Temperature range: -10°C/+80°C.



Ø	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
Face to face	141	141	150	175	214	248
code	331006	331007	331008	331009	331010	331011

335 - Cast iron GG25 - Epoxy coated

NBR coated aluminium ball -
Max. pressure: 10 bar - Temperature range: -10°C/+70°C.



ISO 9001

3.1

10 €/DN



Ø	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
Face to face	141	141	150	175	214	248
code	335006	335007	335008	335009	335010	335011

NEW**339 - Stainless steel** 

Full SS316 body & parts - FKM coated aluminium ball - Max. pressure: 16 bar - Temperature range: 0°C/+150°C.

Ø	1"1/4	1"1/2	2"
Face to face	175	190	210
code	339007	339008	339009

Flanged RF PN10**332 - Ductile iron GGG40 - Epoxy coated**

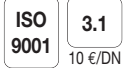
NBR ball for DN40, NBR coated aluminium ball up to DN80, NBR coated steel ball above - Max. pressure: 10 bar - Temperature range: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200	250	300
Face to face	178	200	240	260	300	350	400	500	600	700
code	332040	332050	332065	332080	332100	332125	332150	332200	332250	332300

336 - GG25 body (DN65 to DN100) - GGG40 (others)

NBR coated aluminium ball up to DN200, NBR coated ductile iron ball above - Max. pressure: 10 bar - Temperature range: -10°C/+70°C.



DN	40	50	65	80	100	125	150	200	250	300	350	400
Face to face	180	200	240	260	300	350	400	500	600	700	800	900
code	336040	336050	336065	336080	336100	336125	336150	336200	336250	336300	336350	336400

Foot valves

Excluded from 97/23/CE directive (article 1, § 3.2).

368 - Flanged PN16 - Check valve 369 with strainer basket

All positions - Steel strainer - Max. temperature 110°C.




DN	50	65	80	100	125	150	200	250
code	368050	368065	368080	368100	368125	368150	368200	368250

363 - Flanged PN16 - Check valve 366 with strainer basket

All positions - Steel strainer - Max. temperature 130°C.



DN	50	65	80	100	125	150	200	250	300
code	363050	363065	363080	363100	363125	363150	363200	363250	363300

Strainer baskets**392 - Plastic threaded end - Stainless steel mesh** 

Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Mesh (mm)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,5	1,5	2,0
code	392003	392004	392005	392006	392007	392008	392009	392010	392011	392012

391 - Full stainless steel 316 

Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Mesh (mm)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,5	1,5	2,0
code	391003	391004	391005	391006	391007	391008	391009	391010	391011	391012

367 - Flanged PN16 - Galvanized carbon steel

DN	50	65	80	100	125	150	200	250
code	367050	367065	367080	367100	367125	367150	367200	367250

376 - Flanged PN10/16 - Stainless steel 304

DN	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10
code	376050	376065	376080	376100	376125	376150	376200	376201	376250	376251	376300

.../10: flanges PN10 .../16: flanges PN16

Y-strainers



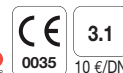
Threaded

97/23/EC directive N° 0035 - Risk category II - For compatible common fluids of group 2 - CF8M body - Mesh 1 mm - With draining cap - Max. pressure: 16 bar - Temperature range: -20°C/+200°C.



230 - Stainless steel

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	230002	230003	230004	230005	230006	230007	230008	230009



Flanged

Excluded from 97/23/EC directive (article 3, § 3) - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - DIN 3202 F1 - GG25 body - Stainless steel screen - With draining cap - Max. pressure: 16 bar up to DN200, 10 bar above.



220 - Cast iron

SS304 screen - Grey epoxy paint - Temperature range: -10°C/+120°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16	350	400
Mesh (mm)	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,5	1,5	1,5	1,5	1,5	1,5	1,5	3	3
Face to face	130	150	160	180	200	230	290	310	350	400	480	600	600	730	730	850	850	980	1100
code	220015	220020	220025	220032	220040	220050	220065	220080	220100	220125	220150	220201	220200	220250	220251	220300	220301	220350	220400



233 - Cast iron - Water use

SS316 screen & draining cap - Blue epoxy paint - Temperature range: -10°C/+80°C.

DN	40	50	65	80	100	125	150	200/10	200/16	250/10	250/16	300/10	300/16
Mesh (mm)	2	2	2	2	2	3,15	3,15	5	5	5	5	5	5
Face to face	200	230	290	310	350	400	480	600	600	730	730	850	850
code	233040	233050	233065	233080	233100	233125	233150	233201	233200	233250	233251	233300	233301



97/23/EC directive N° 0062 - Risk category I (up to DN80); risk category II (above) - Flanged PN16 - DIN 3202 F1 - GG25 body - SS304 screen - With draining cap - Max. pressure: 16 bar - ⚠ Steam up to 10 bar only.

NEW

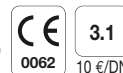
Steam



236 - Cast iron - High temperature

Temperature range: -10°C/+300°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Mesh (mm)	1	1	1	1	1	1	1,25	1,25	1,6	1,6	1,6	1,6
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	236015	236020	236025	236032	236040	236050	236065	236080	236100	236125	236150	236200



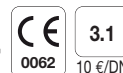
97/23/EC directive N° 0062 - Risk category I (up to DN80); risk category II (above) - For compatible fluids from group 2 - Flanged RF PN40 - DIN 3202 F1 - A216WCB body - SS304 screen - Max. pressure: 40 bar.



235 - Carbon steel - High temperature

Temperature range: -20°C/+400°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Mesh (mm)	1	1	1	1	1	1	1,25	1,25	1,6	1,6	1,6	1,6
Face to face	130	150	160	180	200	230	290	310	350	400	480	600
code	235015	235020	235025	235032	235040	235050	235065	235080	235100	235125	235150	235200



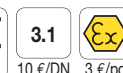
97/23/EC directive N° 0035 - Risk category I (up to DN50); risk category II / Module H (above) - For compatible fluids from group 2 - Flanged RF PN16 - DIN 3202 F1 - CF8M body - SS304 screen - Max. pressure: 16 bar.



240 - Stainless steel

Temperature range: -20°C/+200°C.

DN	15	20	25	32	40	50	65	80	100	125	150	200
Mesh (mm)	0,8	0,8	0,8	0,8	0,8	0,8	1	1	3	3	3	3
Face to face	130	150	160	180	200	230	290	310	350	400	480	630
code	240015	240020	240025	240032	240040	240050	240065	240080	240100	240125	240150	240200



Rubber-metal pipe connector



1509 - EPDM - Flanged PN10

Max. pressure 10 bar - Temperature range: -10°C/+100°C - Supplied with screws & bolts.

DN	32	40	50	65	80	100	125	150	200
Length (mm)	71	71	71	71	71	71	71	71	71
code	1509032	1509040	1509050	1509065	1509080	1509100	1509125	1509150	1509200

Expansion joints

Rubber

Excluded from 97/23/CE directive (article 1, § 3.2) - Nylon reinforced liner - Max. pressure: 16 bar up to DN300, 10 bar above - Temperature range: -10°C/+100°C.

Threaded

1504 - EPDM double wave (BSP)

Zinc plated cast iron union fittings.



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Length (mm)	200	200	200	200	200	200	240	240
code	1504004	1504005	1504006	1504007	1504008	1504009	1504010	1504011

Flanged

1501 - EPDM - Flanged PN10

1502 - EPDM - Flanged PN16

Cadmium steel flanges.



DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Length (mm)	95	95	105	115	130	135	170	180	205	240	260	265	265	265	265	265
1501 code	1501032	1501040	1501050	1501065	1501080	1501100	1501125	1501150	1501200	1501250	1501300	1501350	1501400	1501450	1501500	1501600
1502 code	-	-	-	-	-	-	-	-	1502200	1502250	1502300	-	-	-	-	-

1503 - NBR - Flanged PN10

Cadmium steel flanges.



DN	32	40	50	65	80	100	125	150	200
Length (mm)	95	95	105	115	130	135	170	180	205
code	1503032	1503040	1503050	1503065	1503080	1503100	1503125	1503150	1503200

NEW

1505 - EPDM - Flanged PN10 - Length 130

Cadmium steel flanges.



DN	32	40	50	65	80	100	125	150	200	250	300
Length (mm)	130	130	130	130	130	130	130	130	130	130	130
code	1505032	1505040	1505050	1505065	1505080	1505100	1505125	1505150	1505200	1505250	1505300

Expansion limiter - Flanged PN10 & PN16

For 1501 & 1503 - Supplied with screws set - ⚠ Expansion joint & flanges not included.



DN	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PN10 code	9860407	9860408	9860409	9860410	9860411	9860412	9860413	9860414	9860415	9860416	9860417	9860418	9860419	9860420	9860421	9860422
PN16 code	-	-	-	-	-	-	-	-	9860315	9860316	9860317	-	-	-	-	-

Metal



97/23/CE directive N° 0036 - Risk category II - Max. pressure: 16 bar - Temperature range: -20°C/+300°C.



1551 - Threaded - With external & internal liner (BSP)

Aluminium external liner - Steel internal liner - Stainless steel 316 bellow.

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length	255	240	265	300	300	300
code	1551004	1551005	1551006	1551007	1551008	1551009

1511 - Welding (BSP)

Steel welding ends - Stainless steel 321 bellow & internal liner.



DN	25	32	40	50	65	80	100	125	150	200	250
Length	185	185	200	270	260	275	310	310	350	330	360
code	1511025	1511032	1511040	1511050	1511065	1511080	1511100	1511125	1511150	1511200	1511250

1521 - Flanged RF PN16

Steel flanges - Stainless steel 321 bellow & internal liner.



DN	25	32	40	50	65	80	100	125	150	200	250
Length	105	105	120	150	140	155	220	190	270	275	285
code	1521025	1521032	1521040	1521050	1521065	1521080	1521100	1521125	1521150	1521200	1521250

Repair clamps



Excluded from 97/23/EC directive (article 1, § 3-1) - Stainless steel band - Ductile iron clamp - EPDM rubber gasket - Temperature range: -10°C/+60°C.

DN	20-140	200	250	300	400	500
Max. pressure (bar)	20	16	10	8	4,5	2,5

■ Repairing

1401 - M Type - 1 bolt - Length 80 mm



Ext. pipe Ø	21/25	26/30	29/33	33/37	38/42	42/45	48/51	50/54	55/60	60/64	65/69	69/73	71/76
code	1401021	1401026	1401029	1401033	1401038	1401042	1401048	1401050	1401055	1401060	1401065	1401069	1401071
Ext. pipe Ø	76/82	82/87	87/93	94/100	99/104	105/111	112/118	120/126	126/131	131/136	139/145	156/162	167/173
code	1401076	1401082	1401087	1401094	1401099	1401105	1401112	1401120	1401126	1401131	1401139	1401156	1401167

■ Repairing for complete break

1403 - B Type - 3 bolts - Length 200 mm



Ext. pipe Ø	48/56	56/64	60/68	68/78	78/88	88/98	98/108	108/118	114/126	126/138	138/150	140/153
code	1403048	1403056	1403060	1403068	1403078	1403088	1403098	1403108	1403114	1403126	1403138	1403140
Ext. pipe Ø	150/162	162/174	168/182	174/186	186/198	198/210	210/223	222/234	234/246	243/255	273/285	
code	1403150	1403162	1403168	1403174	1403186	1403198	1403210	1403222	1403234	1403243	1403273	

1406 - D Type (2 pieces) - 3 bolts x 2 - Length 200 mm



Ext. pipe Ø	88/110	114/137	138/160	160/182	182/202	202/224	217/240	240/262	262/284	273/296	296/319	324/346
code	1406088	1406114	1406138	1406160	1406182	1406202	1406217	1406240	1406262	1406273	1406296	1406324
Ext. pipe Ø	346/368	365/387	387/410	410/432	428/450	450/474	470/492	492/516				
code	1406346	1406365	1406387	1406410	1406428	1406450	1406470	1406492				

Tapping bridges

Excluded from 97/23/CE directive (article 1, § 3-2) - For water works.

1189 - Tapping bridge for polyethylene and PVC pipes

Polypropylene body - Max. pressure 10 bar - Temperature range: 45°C.



Ext. pipe Ø	25	25	32	32	40	40	40	50	50	50	63	63	63	63	
Thread	1/2"	3/4"	1/2"	3/4"	1/2"	3/4"	1"	1/2"	3/4"	1"	1/2"	3/4"	1"	1"1/4	1"1/2
pack	10/170	10/170	10/170	10/170	5/140	5/140	5/140	5/130	5/130	5/130	5/120	5/120	5/120	5/120	5/120
code	1189254	1189255	1189324	1189325	1189414	1189415	1189416	1189514	1189515	1189516	1189634	1189635	1189636	1189637	1189638

1190 - Tapping bridge for multi-pipes

Cast iron body - NBR glued gasket - Stainless steel 304 bridge and screws - For polyethylene, PVC, carbon steel and cast iron pipes - Max. pressure 10 bar - Max. temperature 60°C.



DN	Ø ext.	Threaded outlet							
		1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
30	40-50	1190038	1190039						
40	48-55		1190048	1190049					
50	60-68		1190060	1190061	1190062	1190063			
65	72-80		1190070	1190071	1190072	1190073			
70	76-84		1190076	1190077	1190078	1190079			
80	88-104		1190089	1190090	1190091	1190092	1190093		
90	98-112		1190100	1190101	1190102	1190103			
100	112-126		1190114	1190115	1190116	1190117	1190118		
125	140-154		1190140	1190141	1190142	1190143	1190144		
150	168-184		1190168	1190169	1190170	1190171	1190172	1190173	1190174

Flanges

■ Butt welding carbon steel flanges

2100 - Single flange PN16

2101 - Single flange PN10



DN	15	20	25	32	40	50	65	80	100	125	150	200/10
holes	4	4	4	4	4	4	4	8	8	8	8	8
code	2100015	2100020	2100025	2100032	2100040	2100050	2100065	2100080	2100100	2100125	2100150	2101200

DN	200/16	250/10	250/16	300/10	300/16
holes	12	12	12	12	12
code	2100200	2101250	2100250	2101300	2100300

■ Flat stainless steel 316L flanges

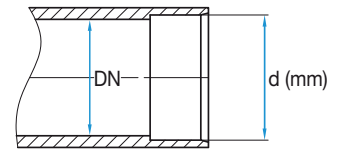
2109 - Single flange PN16

3.1

10 €/DN



DN	15	20	25	32	40	50	65	80	100	125	150	200
holes	4	4	4	4	4	4	4	8	8	8	8	12
code	2109015	2109020	2109025	2109032	2109040	2109050	2109065	2109080	2109100	2109125	2109150	2109200



Ball valves

5100 - CL1 / PVC - EPDM gaskets

5101 - CL1 / PVC - FKM gaskets

PVC-U body & ball - PTFE seats - Full bore - Max. pressure: 10 bar - Temperature range: 0°C/+55°C - Supplied with glued unions as standard (option for threaded unions, see additional price).



d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
5100 code	5100SC015	5100SC020	5100SC025	5100SC032	5100SC040	5100SC050	5100SC065	5100SC080	5100SC100
5101 code	5101SC015	5101SC020	5101SC025	5101SC032	5101SC040	5101SC050	5101SC065	5101SC080	5101SC100
Spare threaded unions	ECL1CT02	ECL1CT03	ECL1CT04	ECL1CT05	ECL1CT06	ECL1CT07	ECL1CT08	ECL1CT09	ECL1CT10

5110 - CL1 / PP - EPDM gaskets

5111 - CL1 / PP - FKM gaskets

PP body & ball - PTFE seats - Full bore - Max. pressure: 10 bar up to DN65, 6 bar above - Temperature range: +10°C/+80°C - Supplied with glued unions as standard (option for threaded unions, see additional price).



d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
5110 code	5110SC015	5110SC020	5110SC025	5110SC032	5110SC040	5110SC050	5110SC065	5110SC080	5110SC100
5111 code	5111SC015	5111SC020	5111SC025	5111SC032	5111SC040	5111SC050	5111SC065	5111SC080	5111SC100
Spare threaded unions	ECL1PT02	ECL1PT03	ECL1PT04	ECL1PT05	ECL1PT06	ECL1PT07	ECL1PT08	ECL1PT09	ECL1PT10

Butterfly valves

5300 - PL1 / PVC - EPDM gaskets

5301 - PL1 / PVC - FKM gaskets

Between flanges PN10 - PVC-U body - Reinforced PP butterfly - ABS lever up to DN200, cast iron gearbox above - Max. pressure: 10 bar - Temperature range: 0°C/+55°C.



DN	40	50	65	80	100	125	150	200	250	300
Face to face (mm)	34	43	46	49	58	64	70	88	98	108
5300 code	5300SW040	5300SW050	5300SW065	5300SW080	5300SW100	5300SW125	5300SW150	5300SW200	5300SW250	5300SW300
5301 code	5301SW040	5301SW050	5301SW065	5301SW080	5301SW100	5301SW125	5301SW150	5301SW200		

5310 - PL1 / PP - EPDM seat

5311 - PL1 / PP - FKM seat

Between flanges PN10 - ABS lever - Reinforced PP butterfly - ABS lever - Max. pressure: 10 bar - Temperature range: +10°C/+80°C.



DN	40	50	65	80	100	125	150	200
Face to face (mm)	34	43	46	49	58	64	70	88
5310 code	5310SW040	5310SW050	5310SW065	5310SW080	5310SW100	5310SW125	5310SW150	5310SW200
5311 code	5311SW040	5311SW050	5311SW065	5311SW080	5311SW100	5311SW125	5311SW150	5311SW200



Swing check valves

5500 - CS1 / PVC - EPDM gaskets

5501 - CS1 / PVC - FKM gaskets

Between flanges PN10 - PVC-U body & clack - Stainless steel spring -

All positions (horizontal or vertical mounting) - Max. pressure: 10 bar - Temperature range: 0°C/+60°C.



DN	32	40	50	65	80	100	125	150
5500-CS1 wafer code	5500CW032	5500CW040	5500CW050	5500CW065	5500CW080	5500CW100	5500CW125	5500CW150
*5500-CS1 flanges code	5500CB032	5500CB040	5500CB050	5500CB065	5500CB080	5500CB100	5500CB125	5500CB150
5501-CS1 wafer code	5501CW032	5501CW040	5501CW050	5501CW065	5501CW080	5501CW100	5501CW125	5501CW150
*5501-CS1 flanges code	5501CB032	5501CB040	5501CB050	5501CB065	5501CB080	5501CB100	5501CB125	5501CB150

*Supplied with PN10 flanges set for glued connections.

Spring check valves

5500 - SL1 / PVC - EPDM seat & gaskets

5501 - SL1 / PVC - FKM seat & gaskets

PVC-U body & clack - Double union construction - All positions - Max. pressure: 10 bar - Temperature range: 0°C/+55°C - Supplied with glued unions as standard (option for threaded unions, see additional price).



d (mm)	20	25	32	40	50	63
DN	15	20	25	32	40	50
5500-SL1 code	5500SC015	5500SC020	5500SC025	5500SC032	5500SC040	5500SC050
5501-SL1 code	5501SC015	5501SC020	5501SC025	5501SC032	5501SC040	5501SC050
Threaded unions	ECL1CT02	ECL1CT03	ECL1CT04	ECL1CT05	ECL1CT06	ECL1CT07

Stainless steel spring

for SL1 spring check valves

d (mm)	DN	code
20	15	RIS01
25	20	RIS01
32	25	RIS01
40	32	RIS02
50	40	RIS02
63	50	RIS02

5510 - SL1 / PP - EPDM seat & gaskets

5511 - SL1 / PP - FKM seat & gaskets

PP body & clack - Double union construction - All positions - Max. pressure: 10 bar - Temperature range: +10°C/+80°C - Supplied with glued unions as standard (option for threaded unions, see additional price).



d (mm)	20	25	32	40	50	63
DN	15	20	25	32	40	50
5510 code	5510SC015	5510SC020	5510SC025	5510SC032	5510SC040	5510SC050
5511 code	5511SC015	5511SC020	5511SC025	5511SC032	5511SC040	5511SC050
Threaded unions	ECL1PT02	ECL1PT03	ECL1PT04	ECL1PT05	ECL1PT06	ECL1PT07

Foot valves

FV1 / PVC - EPDM gaskets

PVC-U body, clack & screen - Vertical mounting - Glued connection - Max. pressure: 10 bar - Temperature range: 0°C/+60°C.



d (mm)	20	25	32	40	50	63
DN	15	20	25	32	40	50
code	5500FC015	5500FC020	5500FC025	5500FC032	5500FC040	5500FC050



20 years of experience

- More than 4500 valve + actuator different combinations.
- Own engineering department & testing department (cycle & torque measuring; temperature testing).
- Own workshop (direct mounting or mounting according to EN 15081; limit switches setting).
- Each actuated valve is tested before shipment.
- Tracking number for each actuated valve.
- ISO 9001 : 2008 & ATEX certifications.



Actuated valves

- Pneumatic actuators _____ page 48
- Accessories for pneumatic actuators
 - Declutchable gear box _____ page 48
 - Limit switch boxes _____ page 49
 - Solenoid pilot valves _____ page 50
 - Position detectors _____ page 50
- Pneumatic actuated valves
 - Pneumatic actuated ball valves _____ pages 51 to 56
 - Pneumatic actuated butterfly valves _____ pages 57 to 60
 - Pneumatic actuated knife gate valves _____ page 61
- Electric actuators
 - For HVAC _____ page 62
 - For industry _____ pages 63 to 64
- Electric actuated valves
 - Electric actuated ball valves _____ pages 65 to 70
 - Electric actuated butterfly valves _____ pages 71 to 74
 - Electric actuated knife gate valves _____ page 75
- Solenoid valves _____ pages 76 to 77
- On/Off pneumatic actuated valves _____ pages 78 to 79
- Control valves _____ page 80

Pneumatic actuators



EN 15714-3 certified - Rack and pinion actuator - Rotation 90° (+/- 5°) - Anodized aluminum body - Epoxy coated aluminium caps - Environment working temperature range: -30°C/+100°C - Maximum inlet pressure: 8 bar - Limit switch box bracket connection according to NAMUR 2 - Solenoid pilot valve connection according to NAMUR VDI/VDE 3845 - Air supply connection 1/4" inlet - Valve connection according to ISO 5211 and DIN 3337 - Position indicator - Adjustable limits screws - EN 15714-3 - ATEX EEx II 2G/D for areas 1, 2, 21 & 22.

ADA Double acting



Type	Avail. torque (Nm) air 6 bar		ISO	⊗	code	Standard gaskets set	
	Pressure opening	Spring closing				code	
ADA20	19		F5	14	015100B		041150B
ADA40	41		F5	14	015101B		041151B
ADA80	77		F5/F7	17	015102B		041152B
ADA130	118		F5/F7	17	015103B		041153B
ADA200	175		F7/F10	17	015104B		041154B
ADA300	291		F7/F10	22	015105B		041155B
ADA500	433		F10	22	015106B		041156B
ADA850	718		F10/F12	27	015107B		041157B
ADA1200	1038		F10/F14	36	015108B		041158B
ADA1750	1413		F14	36	015109B		041159B
ADA2100	2172		F16	46	015110B		041160B
ADA2500	3461		F16	46	015111B		041161B

ASR Spring return



Type	Avail. torque (Nm) air 6 bar		ISO	⊗	code	Standard gaskets set	
	Pressure opening	Spring closing				code	
ASR20	14	10	F5	14	016100B		041150B
ASR40	26	17	F5	14	016101B		041151B
ASR80	51	37	F5/F7	17	016102B		041152B
ASR130	80	64	F5/F7	17	016103B		041153B
ASR200	113	84	F7/F10	17	016104B		041154B
ASR300	190	126	F7/F10	22	016105B		041155B
ASR500	283	205	F10	22	016106B		041156B
ASR850	488	367	F10/F12	27	016107B		041157B
ASR1200	698	502	F10/F14	36	016108B		041158B
ASR1750	877	578	F14	36	016109B		041159B
ASR2100	1276	825	F16	46	016110B		041160B
ASR2500	2454	1861	F16	46	016111B		041161B

Accessories for pneumatic actuators

Declutchable gear box



Cast iron GG25 body - Steel wheel - To select a gear box, add the valve torque and the actuator torque (compressed springs).

Valve		Actuator		Torque (Nm)	code
ISO	⊗ F	ISO	⊗ M		
F5	17	F5	14	125	041480
F7/F10	22	F7	17	270	041481
F10/F12	27	F10/F12	22	800	041482
F12	27	F12	27	1150	041483
F14	36	F14	36	2500	041484

Limit switch boxes



APL 210 - Limit switch box IP67 for ADA/ASR

Aluminium epoxy housing - 3D position indicator - Without gland pack & cap - Includes stainless steel bracket - Exclusively for ADA/ASR (Actreg) actuators.

Switches	code
2 SPDT mechanical switches 250V AC - 3A	0460000N



SM - Universal limit switch box IP65

Aluminium compact box - Anti-UV polycarbonate cover with 3D visualization - Universal & adjustable bracket for NAMUR 1, 2 & 3 - Includes gland pack M20 x 1,5 - Temperature range: -15°C/+80°C.

Switches	code
2 SPDT mechanical silver plated switches 250V AC - 5A	0460512N



SF - Limit switch box IP67

Coated polyester aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 inlets wire M20 x 1,5 - F05 ISO pad - Stem VDI/VDE 3845 - Without gland pack, cap & bracket.

Switches	code
2 SPDT mechanical silver plated switches 250V - 5A - Temperature range: -20°C/+80°C.	0462012
2 detectors 3 threads PNP 10-30V DC P + F NBB2 V3 E2 - Temperature range: -20°C/+70°C.	0462732
2 inductive detectors 2 threads NO/NC 5-36V DC IFM IS 5026 - Temperature range: -20°C/+80°C.	0462752
2 inductive detectors 2 threads NO 5-60V DC P+ F NBB3 V3 Z4 - Temperature range: -20°C/+80°C.	0462832
2 inductive pneumatic switches NC 2-8 bar for dry air - Temperature range: -20°C/+80°C.	0462822
Indicator for 3 ways L valves	980186
Indicator for 3 ways T valves	980187

500 - Stainless steel mounting set for SF limit switch boxes

Includes bracket VDI/VDE 3845, gland pack & cap. Namur 2 for ADA/ASR (Actreg) actuators.

NAMUR	code
0	050210
1	050072
2	050061
3	050073
4	050081



	code
Gland pack M20 x 1,5	980181
Cap M20 x 1,5	980182



SIB - Limit switch box IP67 ATEX EEx "ia"

ATEX certification for complete box & switches - Aluminium box - Anti-UV polycarbonate cover - Adjustable 3D position indicator - Without gland pack, bracket and cap (ATEX SI M20 x 1,5)- Temperature range: -20°C/+80°C.

Inductive switches	code
2 x NAMUR P + F NJ2 V3N / N - NO / Ex II2 G/D Eex ia II C T6	04747022
Indicator for 3 ways L valves	980186
Indicator for 3 ways T valves	980187



SK - Limit switch box IP67 anti-explosion IIC

Coated polyester aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 inlets 1/2" NPT - Universal & adjustable bracket VDI/VDE 3845 for NAMUR 1 & 2 actuators- Without gland pack & cap - ATEX & IEC Ex II 2GD Ex d IIC T6 T5 T4 Ex tb IIIC - Temperature range: -20°C/+80°C.

Switches	code
2 SPDT mechanical silver plated switches 250V AC - 5A	0477012
Indicator for 3 ways L valves	980186
Indicator for 3 ways T valves	980187



SY - Limit switch box IP68 anti-explosion IIC

Coated polyester aluminium box & cover - Stainless steel stem - Adjustable 3D position indicator - 2 inlets M25 x 1,5 - F05 ISO pad - Stem VDI/VDE 3845 - Without gland pack, cap & bracket - Temperature range: -20°C/+80°C - ATEX II 2G Ex d IIC T6-T4 & II 2D Ex tD B21 T 110/110/140°C - IEC Ex d IIC T4/T5/T6 Gb & Ex tb IIIC T 140/110/110°C Db.

Switches	code
2 SPDT mechanical silver plated switches 250V - 5A	0475012
Indicator for 3 ways L valves	980186
Indicator for 3 ways T valves	980187



615 - Stainless steel bracket VDI/VDE 3845 for SIB & SY limit switch boxes

Namur 2 for ADA/ASR (Actreg) actuators.

NAMUR	code
1	061659N
2	061615N
3	061660N
4	061662N



Gland pack ATEX SI M20 x 1,5
Cap M20 x 1,5

code
980185
980182



Gland pack ATEX ADF 1/2" NPT
Cap ATEX ADF 1/2" NPT
Gland pack ATEX ADF M20 x 1,5
Cap ATEX ADF M20 x 1,5
Gland pack ATEX ADF M25 x 1,5
Cap ATEX ADF M25 x 1,5

980176
980178
980179
980169
980165
980164

Solenoid pilot valves

Namur

CY



Anodized aluminium body - Flowrate: 500 l/min - 3/2-5/2 way single solenoid IP65 - Operating pressure: 1,5 to 8 bar - Temperature range: -10°C/+50°C - Connection 1/4" inlet - Manual override.

Voltage	code
230V AC	042190
24V DC	042191



4210 - Monostable IP65 LUCIFER 341 3/2 - 5/2

Connection 1/4" inlet & 1/8" outlet.



Voltage	code
230V AC	042100
24V AC	042101
48V AC	042102
110V AC	042103
12V DC	042104
24V DC	042105
48V DC	042106
110V DC	042107



4270 - Monostable LUCIFER 3/2 - 5/2 - ATEX EEx II 3 G

EEx nAC II C T5 for areas 2 & 22 - Connection 1/4" inlet & 1/8" outlet.



Voltage	code
230V AC	042700
24V AC	042701



4230 - Monostable LUCIFER 341 3/2 - 5/2 - ATEX EEx II 2 G/D IP6

EEx me II T4 for areas 1, 2, 21 & 22 - Max. temperature: 130°C - Connection 1/4" inlet & 1/8" outlet.



Voltage	code
230V AC	042300
24V AC	042301
24V DC	042302



4250 - Monostable LUCIFER 341 3/2 - 5/2 - ATEX EEx II 2 G/D IP6X

EEx md II C T4 for areas 1, 2, 21 & 22 - Connection 1/4" inlet & 1/8" outlet.



Voltage	code
230V AC	042500
48V AC	042503

M2 - 3/2 function

1/8" M/F - Bore 1,3 mm - Manual setting & adjustable fitting.



Voltage	code
230V AC	041901
24V AC	041902
24V DC	041903
coil 230V AC	980222
coil 24V AC	980223
coil 24V DC	980224
fitting M1/4"-F1/8"	21040201

Throttle valve



Ø	code
1/8"	041196
1/4"	041195

Silencer



Ø	code
1/8"	041192
1/4"	041193
3/8"	041198
1/2"	041300
3/4"	041194

Position detectors

Inductive position detector IFM

Dual detector IND 0110 - IP 67 - 25°C to 80°C - 20 250V AC/DC - 2 NO outlets - With 2 m wire
 Dual detector IN 0108 - IP 67 - 25°C to 80°C - 20 250V AC/DC - 2 NO outlets - With connection M18
 Connector for IN 0108
 Detector cam for ADA/ASR (Actreg) actuators



code
121133
121134
121137
121270

Inductive position detector P+F

Dual detector IP 68 - 25°C to 70°C - With gland pack - 10 to 30V DC - 2 PNP inlets & solenoid pilot valve outlet - Not for ADA/ASR (Artreg) actuators
 Cam P+F Namur 1
 Cam P+F Namur 3 & 4



code
122133
122131
122132

Pneumatic actuated valves

Pneumatic actuated ball valves

All our pneumatic actuated ball valves are designed for a compressed air input of 6 bar - Please consult for any other air input pressure - ⚠ **Max. ΔP: 10 bar.**

502 - Brass ball valve with pneumatic actuator (BSP)

CW617N body & ball - PTFE seats - Stem tightness: NBR - Full bore - Max. pressure: 16 bar - Temperature range: -10°C/+100°C.



DN	Double acting	
	Actuator	code
1/4"	ADA20	270090015100
3/8"	ADA20	270091015100
1/2"	ADA20	270002015100
3/4"	ADA20	270003015100
1"	ADA20	270004015100
1"1/4"	ADA20	270005015100
1"1/2"	ADA40	270006015101
2"	ADA80	270007015102
2"1/2"	ADA80	270038015102
3"	ADA130	270039015103
4"	ADA200	270040015104

DN	Spring return	
	Actuator	code
1/4"	ASR20	270090016100
3/8"	ASR20	270091016100
1/2"	ASR20	270002016100
3/4"	ASR20	270003016100
1"	ASR40	270004016101
1"1/4"	ASR80	270005016102
1"1/2"	ASR130	270006016103
2"	ASR200	270007016104
2"1/2"	ASR200	270038016104
3"	ASR300	270039016105
4"	ASR300	270040016105

513 L port / 514 T port - 3 way brass ball valve with pneumatic actuator (BSP)

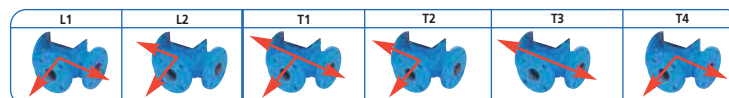
CW617N body & ball - PTFE seats - Stem tightness: FKM - Reduced bore - Max. pressure: 16 bar - Temperature range: -10°C/+100°C.



DN	Double acting	
	Actuator	513 L code
1/4"	ADA20	275010015100
3/8"	ADA20	275011015100
1/2"	ADA20	275012015100
3/4"	ADA20	275013015100
1"	ADA20	275014015100
1"1/4"	ADA40	275015015101
1"1/2"	ADA40	275016015101
2"	ADA80	275017015102

DN	Spring return	
	Actuator	513 L code
1/4"	ASR20	275010016100
3/8"	ASR20	275011016100
1/2"	ASR20	275012016100
3/4"	ASR40	275013016101
1"	ASR80	275014016102
1"1/4"	ASR130	275015016103
1"1/2"	ASR200	275016016104
2"	ASR200	275017016104

513 L	514 T
code 27501...	27503...



T port: mention 2 consecutive positions (example: T3/T4) - Clockwise closing - Anti-clockwise closing option: 50 €.

507 - Cast iron flanged ball valve with pneumatic actuator

GG25 body - Stainless steel ball - PTFE seats - Stem tightness: FKM - Full bore - Flanged RF PN10/16 - DIN 3202 F4 - Max. pressure: 16 bar - Max. temperature: 200°C.



DN	Double acting	
	Actuator	code
40	ADA40	270226015101
50	ADA80	270227015102
65	ADA80	270228015102
80	ADA130	270229015103
100	ADA200	270230015104

DN	Spring return	
	Actuator	code
40	ASR130	270226016103
50	ASR200	270227016104
65	ASR200	270228016104
80	ASR300	270229016105
100	ASR300	270230016105

715 XS - 2 piece stainless steel ball valve with pneumatic actuator (BSP)

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE/FKM - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.



DN	Double acting	
	Actuator	code
1/2"	ADA20	272402015100
3/4"	ADA20	272403015100
1"	ADA20	272404015100
1"1/4"	ADA20	272405015100
1"1/2"	ADA40	272406015101
2"	ADA80	272407015102
2"1/2"	ADA80	272408015102
3"	ADA130	272409015103

DN	Spring return	
	Actuator	code
1/2"	ASR20	272402016100
3/4"	ASR20	272403016100
1"	ASR40	272404016101
1"1/4"	ASR80	272405016102
1"1/2"	ASR130	272406016103
2"	ASR200	272407016104
2"1/2"	ASR200	272408016104
3"	ASR300	272409016105



736 XS - 3 piece carbon steel ball valve with pneumatic actuator (BSP)

A216WCB body - 316 ball - PTFE seats - Stem tightness: PTFE/FKM - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.

TA
LUFT

Also available	736 XS (BSP)	734 XS (BSP)	735 XS (BSP)
code	27146...	27148...	27150...

DN	Double acting	
	Actuator	736 XS code
1/2"	ADA20	271462015100
3/4"	ADA20	271463015100
1"	ADA20	271464015100
1"1/4"	ADA20	271465015100
1"1/2"	ADA40	271466015101
2"	ADA80	271467015102
2"1/2"	ADA80	271468015102
3"	ADA130	271469015103
4"	ADA200	271470015104

DN	Spring return	
	Actuator	736 XS code
1/2"	ASR20	271462016100
3/4"	ASR20	271463016100
1"	ASR40	271464016101
1"1/4"	ASR80	271465016102
1"1/2"	ASR130	271466016103
2"	ASR200	271467016104
2"1/2"	ASR200	271468016104
3"	ASR300	271469016105
4"	ASR300	271470016105



746 XS - 3 piece stainless steel ball valve with pneumatic actuator (BSP)

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE/FKM - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.

TA
LUFT

Also available	746 XS (BSP)	745 XS (BSP)	743 XS (BSP)
code	27264...	27266...	27268...

DN	Double acting	
	Actuator	746 XS code
1/2"	ADA20	272642015100
3/4"	ADA20	272643015100
1"	ADA20	272644015100
1"1/4"	ADA20	272645015100
1"1/2"	ADA40	272646015101
2"	ADA80	272647015102
2"1/2"	ADA80	272648015102
3"	ADA130	272649015103
4"	ADA200	272650015104

DN	Spring return	
	Actuator	746 XS code
1/2"	ASR20	272642016100
3/4"	ASR20	272643016100
1"	ASR40	272644016101
1"1/4"	ASR80	272645016102
1"1/2"	ASR130	272646016103
2"	ASR200	272647016104
2"1/2"	ASR200	272648016104
3"	ASR300	272649016105
4"	ASR300	272650016105



Steam

737 XS - 3 piece carbon steel ball valve with pneumatic actuator (BSP)

A216WCB body - 316 ball - PTFE-stainless steel seats - Double tightness: PTFE-graphite - Full bore - Max. pressure 63 bar - Temperature range: -10°C/+220°C -

⚠️ **Steam use:** max. pressure: 15 bar / max. temperature: +200°C.



DN	Double acting	
	Actuator	code
1/2"	ADA20	271202015100
3/4"	ADA20	271203015100
1"	ADA20	271204015100
1"1/4"	ADA20	271205015100
1"1/2"	ADA40	271206015101
2"	ADA80	271207015102

DN	Spring return	
	Actuator	code
1/2"	ASR20	271202016100
3/4"	ASR40	271203016101
1"	ASR40	271204016101
1"1/4"	ASR80	271205016102
1"1/2"	ASR130	271206016103
2"	ASR200	271207016104



Steam

747 XS - 3 piece stainless steel ball valve with pneumatic actuator (BSP)

CF8M body - 316 ball - PTFE-stainless steel seats - Double tightness : PTFE-graphite - Full bore - Max. pressure 63 bar - Temperature range: -10°C/+220°C -

⚠️ **Steam use:** max. pressure: 15 bar / max. temperature: +200°C.



DN	Double acting	
	Actuator	code
1/2"	ADA20	272702015100
3/4"	ADA20	272703015100
1"	ADA20	272704015100
1"1/4"	ADA20	272705015100
1"1/2"	ADA40	272706015101
2"	ADA80	272707015102

DN	Spring return	
	Actuator	code
1/2"	ASR20	272702016100
3/4"	ASR40	272703016101
1"	ASR40	272704016101
1"1/4"	ASR80	272705016102
1"1/2"	ASR130	272706016103
2"	ASR200	272707016104



702 - 3 piece carbon steel ball valve with pneumatic actuator (BSP)

A216WCB body - CF8M ball - PTFE seats - Double tightness - Full bore - Antistatic device - Max. pressure: 100 bar - Temperature range: -20°C/+218°C - Other ΔP on request.



Also available	702 (BSP)	702 (JMW)	702 (JW)	702 (NPT)
code	27154...	27156...	27158...	27159...

DN	Double acting	
	Actuator	code threaded
1/4"	ADA20	271540015100
3/8"	ADA20	271541015100
1/2"	ADA20	271542015100
3/4"	ADA20	271543015100
1"	ADA20	271544015100
1"1/4	ADA40	271545015101
1"1/2	ADA40	271546015101
2"	ADA80	271547015102

DN	Spring return	
	Actuator	code threaded
1/4"	ASR20	271540016100
3/8"	ASR20	271541016100
1/2"	ASR20	271542016100
3/4"	ASR40	271543016101
1"	ASR40	271544016101
1"1/4	ASR80	271545016102
1"1/2	ASR130	271546016103
2"	ASR200	271547016104



703 - 3 piece stainless steel ball valve with pneumatic actuator (BSP)

CF8M body - PTFE seats - Double tightness - Full bore - Antistatic device - Max. pressure: 100 bar - Temperature range: -30°C/+218°C - Other ΔP on request.



Also available	703 (BSP)	703 (JMW)	703 (JW)	703 (NPT)
code	27224...	27226...	27228...	27225...

DN	Double acting	
	Actuator	code threaded
1/4"	ADA20	272240015100
3/8"	ADA20	272241015100
1/2"	ADA20	272242015100
3/4"	ADA20	272243015100
1"	ADA20	272244015100
1"1/4	ADA40	272245015101
1"1/2	ADA40	272246015101
2"	ADA80	272247015102

DN	Spring return	
	Actuator	code threaded
1/4"	ASR20	272240016100
3/8"	ASR20	272241016100
1/2"	ASR20	272242016100
3/4"	ASR40	272243016101
1"	ASR40	272244016101
1"1/4	ASR80	272245016102
1"1/2	ASR130	272246016103
2"	ASR200	272247016104



710 - 3 piece carbon steel flanged ball valve with pneumatic actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN40 - DIN 3202 F1 - Max. pressure: 40 bar - Temperature range: -20°C/+180°C.

DN	Double acting	
	Actuator	code
15	ADA20	271312015100
20	ADA20	271313015100
25	ADA20	271314015100
32	ADA20	271315015100
40	ADA40	271316015101
50	ADA80	271317015102
65	ADA80	271318015102
80	ADA130	271319015103
100	ADA200	271320015104

DN	Spring return	
	Actuator	code
15	ASR20	271312016100
20	ASR40	271313016101
25	ASR40	271314016101
32	ASR80	271315016102
40	ASR130	271316016103
50	ASR200	271317016104
65	ASR200	271318016104
80	ASR300	271319016105
100	ASR300	271320016105



711 - 3 piece flanged stainless steel ball valve with pneumatic actuator

CF8M body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN40 - DIN 3202 F1 - Max. pressure: 40 bar - Temperature range: -20°C/+180°C.

DN	Double acting	
	Actuator	code
15	ADA20	272812015100
20	ADA20	272813015100
25	ADA20	272814015100
32	ADA20	272815015100
40	ADA40	272816015101
50	ADA80	272817015102
65	ADA80	272818015102
80	ADA130	272819015103
100	ADA200	272820015104

DN	Spring return	
	Actuator	code
15	ASR20	272812016100
20	ASR40	272813016101
25	ASR40	272814016101
32	ASR80	272815016102
40	ASR130	272816016103
50	ASR200	272817016104
65	ASR200	272818016104
80	ASR300	272819016105
100	ASR300	272820016105



765 XS - 3 piece carbon steel flanged ball valve with pneumatic actuator

A216WCB body - 316 ball - PTFE-stainless steel seats - Body & stem tightness: PTFE-graphite - Full bore - Flanged RF PN40 - DIN 3202 F1- Max. pressure 40 bar - Temperature range: -10°C/+220°C - ⚠️ **Steam use:** max. pressure: 15 bar / max. temperature: +200°C.



DN	Double acting	
	Actuator	code
15	ADA20	271322015100
20	ADA20	271323015100
25	ADA20	271324015100
32	ADA20	271325015100
40	ADA40	271326015101
50	ADA80	271327015102
65	ADA80	271328015102
80	ADA130	271329015103
100	ADA200	271330015104

DN	Spring return	
	Actuator	code
15	ASR20	271322016100
20	ASR40	271323016101
25	ASR40	271324016101
32	ASR80	271325016102
40	ASR130	271326016103
50	ASR200	271327016104
65	ASR200	271328016104
80	ASR300	271329016105
100	ASR500	271330016106

771 XS - Stainless steel flanged ball valve wafer type with pneumatic actuator

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE - Full bore - Wafer type RF PN16 - Max. pressure: 16 bar - Temperature range: -30°C/+180°C.



DN	Double acting	
	Actuator	code
15	ADA20	272902015100
20	ADA20	272903015100
25	ADA20	272904015100
32	ADA20	272905015100
40	ADA80	272906015102
50	ADA80	272907015102
65	ADA80	272908015102
80	ADA130	272909015103
100	ADA300	272910015105

DN	Spring return	
	Actuator	code
15	ASR20	272902016100
20	ASR40	272903016101
25	ASR40	272904016101
32	ASR80	272905016102
40	ASR130	272906016103
50	ASR200	272907016104
65	ASR200	272908016104
80	ASR500	272909016106
100	ASR500	272910016106

762 - Split-body carbon steel flanged ball valve with pneumatic actuator

A216WCB body - CF8M ball - RTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+200°C.



DN	Double acting	
	Actuator	code
15	ADA20	274242015100
20	ADA20	274243015100
25	ADA20	274244015100
32	ADA20	274245015100
40	ADA40	274246015101
50	ADA80	274247015102
65	ADA130	274248015103
80	ADA130	274249015103
100	ADA200	274250015104
125	ADA300	274251015105
150	ADA850	274252015107
200	ADA850	274253015107

DN	Spring return	
	Actuator	code
15	ASR20	274242016100
20	ASR40	274243016101
25	ASR40	274244016101
32	ASR80	274245016102
40	ASR130	274246016103
50	ASR200	274247016104
65	ASR200	274248016104
80	ASR300	274249016105
100	ASR500	274250016106
125	ASR850	274251016107
150	ASR1200	274252016108
200	ASR2100	274253016110

763 - Split-body stainless steel flanged ball valve with pneumatic actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+200°C.



DN	Double acting	
	Actuator	code
15	ADA20	274362015100
20	ADA20	274363015100
25	ADA20	274364015100
32	ADA40	274365015101
40	ADA40	274366015101
50	ADA80	274367015102
65	ADA130	274368015103
80	ADA130	274369015103
100	ADA200	274370015104
125	ADA300	274371015105
150	ADA850	274372015107
200	ADA850	274373015107

DN	Spring return	
	Actuator	code
15	ASR20	274362016100
20	ASR40	274363016101
25	ASR40	274364016101
32	ASR80	274365016102
40	ASR130	274366016103
50	ASR200	274367016104
65	ASR200	274368016104
80	ASR300	274369016105
100	ASR500	274370016106
125	ASR850	274371016107
150	ASR1200	274372016108
200	ASR2100	274373016110



752 - Split-body carbon steel flanged ball valve with pneumatic actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 -
Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+200°C.



DN	Double acting	
	Actuator	code
15	ADA20	274282015100
20	ADA20	274283015100
25	ADA20	274284015100
32	ADA40	274285015101
40	ADA40	274286015101
50	ADA80	274287015102
65	ADA130	274288015103
80	ADA130	274289015103
100	ADA200	274290015104
125	ADA300	274291015105
150	ADA500	274292015106
200	ADA2500	274293015111

DN	Spring return	
	Actuator	code
15	ASR40	274282016101
20	ASR40	274283016101
25	ASR80	274284016102
32	ASR80	274285016102
40	ASR80	274286016102
50	ASR200	274287016104
65	ASR300	274288016105
80	ASR300	274289016105
100	ASR500	274290016106
125	ASR850	274291016107
150	ASR850	274292016107
200	ASR2500	274293016111



753 - Split-body stainless steel flanged ball valve with pneumatic actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 -
Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -30°C/+200°C.



DN	Double acting	
	Actuator	code
15	ADA20	274402015100
20	ADA20	274403015100
25	ADA20	274404015100
32	ADA40	274405015101
40	ADA40	274406015101
50	ADA80	274407015102
65	ADA130	274408015103
80	ADA130	274409015103
100	ADA200	274410015104
125	ADA300	274411015105
150	ADA500	274412015106
200	ADA2500	274413015111

DN	Spring return	
	Actuator	code
15	ASR40	274402016101
20	ASR40	274403016101
25	ASR80	274404016102
32	ASR80	274405016102
40	ASR80	274406016102
50	ASR200	274407016104
65	ASR300	274408016105
80	ASR300	274409016105
100	ASR500	274410016106
125	ASR850	274411016107
150	ASR850	274412016107
200	ASR2500	274413016111



756 - Split-body carbon steel flanged ball valve with pneumatic actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF ANSI 150 -
Max. pressure: 20 bar - Temperature range: -20°C/+200°C.



DN	Double acting	
	Actuator	code
15	ADA20	274322015100
20	ADA20	274323015100
25	ADA20	274324015100
40	ADA40	274326015101
50	ADA80	274327015102
65	ADA130	274328015103
80	ADA130	274329015103
100	ADA200	274330015104
150	ADA500	274332015106

DN	Spring return	
	Actuator	code
15	ASR40	274322016101
20	ASR40	274323016101
25	ASR80	274324016102
40	ASR80	274326016102
50	ASR200	274327016104
65	ASR300	274328016105
80	ASR300	274329016105
100	ASR500	274330016106
150	ASR850	274332016107



757 - Split-body stainless steel flanged ball valve with pneumatic actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF ANSI 150 -
Max. pressure: 20 bar - Temperature range: -30°C/+200°C.



DN	Double acting	
	Actuator	code
15	ADA20	274422015100
20	ADA20	274423015100
25	ADA20	274424015100
40	ADA40	274426015101
50	ADA80	274427015102
65	ADA130	274428015103
80	ADA130	274429015103
100	ADA200	274430015104
150	ADA500	274432015106

DN	Spring return	
	Actuator	code
15	ASR40	274422016101
20	ASR40	274423016101
25	ASR80	274424016102
40	ASR80	274426016102
50	ASR200	274427016104
65	ASR300	274428016105
80	ASR300	274429016105
100	ASR500	274430016106
150	ASR850	274432016107

780 XS L / 781 XS T - 3 way stainless steel ball valve with pneumatic actuator BSP

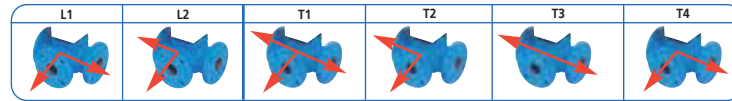
CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE - Reduced bore - Max. pressure: 63 bar - Temperature range: -30°C/+180°C.



DN	Double acting	
	Actuator	780 XS L code
1/4"	ADA20	275400015100
3/8"	ADA20	275401015100
1/2"	ADA20	275402015100
3/4"	ADA40	275403015101
1"	ADA40	275404015101
1"1/4	ADA80	275405015102
1"1/2	ADA80	275406015102
2"	ADA130	275407015103

DN	Spring return	
	Actuator	780 XS L code
1/4"	ASR40	275400016101
3/8"	ASR40	275401016101
1/2"	ASR40	275402016101
3/4"	ASR80	275403016102
1"	ASR80	275404016102
1"1/4	ASR130	275405016103
1"1/2	ASR200	275406016104
2"	ASR300	275407016105

	780 XS L	781 XS T
code	27540...	27542...



T port: mention 2 consecutive positions (example: T3/T4) - Clockwise closing - Anti-clockwise closing option: 50 €.



783 L / 784 T - 3 way carbon steel flanged ball valve with pneumatic actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - Max. pressure: 16 bar - Temperature range: -10°C/+150°C.

DN	Double acting	
	Actuator	783 L code
50	ADA200	275677015104
65	ADA300	275678015105
80	ADA300	275679015105
100	ADA500	275680015106
125	ADA1200	275681015108
150	ADA2100	275682015110

DN	Spring return	
	Actuator	783 L code
50	ASR500	275677016106
65	ASR850	275678016107
80	ASR850	275679016107
100	ASR1200	275680016108
125	ASR2100	275681016110
150	ASR2500	275682016111

	783 L	784 T
code	27567...	27568...
code	27568...	27569...



T port: mention 2 consecutive positions (example: T3/T4) - Clockwise closing - Anti-clockwise closing option: 50 €.



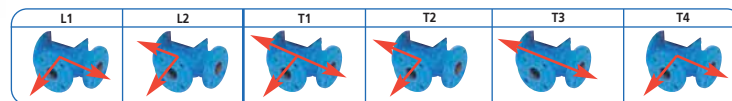
785 L / 786 T - 3 way stainless steel flanged ball valve with pneumatic actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - Max. pressure: 16 bar - Temperature range: -10°C/+ 150°C.

DN	Double acting	
	Actuator	785 L code
50	ADA200	275377015104
65	ADA300	275378015105
80	ADA300	275379015105
100	ADA500	275380015106
125	ADA1200	275381015108
150	ADA2100	275382015110

DN	Spring return	
	Actuator	785 L code
50	ASR500	275377016106
65	ASR850	275378016107
80	ASR850	275379016107
100	ASR1200	275380016108
125	ASR2100	275381016110
150	ASR2500	275382016111

	785 L	786 T
code	27537...	27538...
code	27538...	27539...



T port: mention 2 consecutive positions (example: T3/T4) - Clockwise closing - Anti-clockwise closing option: 50 €.

Pneumatic actuated butterfly valves

All our pneumatic actuated butterfly valves are designed for a compressed air input of 6 bar - Please consult for any other air input pressure - ⚠ **Max. ΔP: 10 bar.**

1125 - Cast iron butterfly valve with pneumatic actuator

GG25 body - Nickel plated GGG40 disc - EPDM seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Max. temperature: +110°C.



DN	Double acting	
	Actuator	code
32-40	ADA20	262003015100
50	ADA20	262004015100
65	ADA40	262005015101
80	ADA40	262006015101
100	ADA80	262007015102
125	ADA80	262008015102
150	ADA130	262009015103
200	ADA200	262010015104
250	ADA300	262011015105
300	ADA500	262012015106

DN	Spring return	
	Actuator	code
32-40	ASR40	262003016101
50	ASR40	262004016101
65	ASR80	262005016102
80	ASR80	262006016102
100	ASR130	262007016103
125	ASR200	262008016104
150	ASR300	262009016105
200	ASR500	262010016106
250	ASR500	262011016106
300	ASR850	262012016107

1123 - Cast iron butterfly valve with pneumatic actuator

GG25 body - CF8M disc - EPDM seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Max. temperature: +110°C.



DN	Double acting	
	Actuator	code
32-40	ADA20	262103015100
50	ADA20	262104015100
65	ADA40	262105015101
80	ADA40	262106015101
100	ADA80	262107015102
125	ADA80	262108015102
150	ADA130	262109015103
200	ADA200	262110015104
250	ADA300	262111015105
300	ADA500	262112015106

DN	Spring return	
	Actuator	code
32-40	ASR40	262103016101
50	ASR40	262104016101
65	ASR80	262105016102
80	ASR80	262106016102
100	ASR130	262107016103
125	ASR200	262108016104
150	ASR300	262109016105
200	ASR500	262110016106
250	ASR500	262111016106
300	ASR850	262112016107

1121 - Cast iron butterfly valve with pneumatic actuator

GG25 body - CF8M disc - NBR seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Max. temperature: +80°C.



DN	Double acting	
	Actuator	code
32-40	ADA20	262203015100
50	ADA20	262204015100
65	ADA40	262205015101
80	ADA40	262206015101
100	ADA80	262207015102
125	ADA80	262208015102
150	ADA130	262209015103
200	ADA200	262210015104
250	ADA300	262211015105
300	ADA500	262212015106

DN	Spring return	
	Actuator	code
32-40	ASR40	262203016101
50	ASR40	262204016101
65	ASR80	262205016102
80	ASR80	262206016102
100	ASR130	262207016103
125	ASR200	262208016104
150	ASR300	262209016105
200	ASR500	262210016106
250	ASR500	262211016106
300	ASR850	262212016107

1135 - Cast iron butterfly valve lug type with pneumatic actuator

GG25 body - Nickel plated GGG40 disc - EPDM seat - Lug type PN10 - Max. pressure: 16 bar - Max. temperature: +110°C.



DN	Double acting	
	Actuator	code
40	ADA20	262503015100
50	ADA20	262504015100
65	ADA40	262505015101
80	ADA40	262506015101
100	ADA80	262507015102
125	ADA80	262508015102
150	ADA130	262509015103
200	ADA200	262510015104
250	ADA300	262511015105
300	ADA500	262512015106

DN	Spring return	
	Actuator	code
40	ASR40	262503016101
50	ASR40	262504016101
65	ASR80	262505016102
80	ASR80	262506016102
100	ASR130	262507016103
125	ASR200	262508016104
150	ASR300	262509016105
200	ASR500	262510016106
250	ASR850	262511016107
300	ASR1200	262512016108

Other diameters on request



1133 - Cast iron butterfly valve with pneumatic actuator

GG25 body - CF8M disc - EPDM seat - Lug type PN10 - Max. pressure: 16 bar - Max. temperature: +110°C.

DN	Double acting	
	Actuator	code
40	ADA20	262603015100
50	ADA20	262604015100
65	ADA40	262605015101
80	ADA40	262606015101
100	ADA80	262607015102
125	ADA80	262608015102
150	ADA130	262609015103
200	ADA200	262610015104
250	ADA300	262611015105
300	ADA500	262612015106

DN	Spring return	
	Actuator	code
40	ASR40	262603016101
50	ASR40	262604016101
65	ASR80	262605016102
80	ASR80	262606016102
100	ASR130	262607016103
125	ASR200	262608016104
150	ASR300	262609016105
200	ASR500	262610016106
250	ASR850	262611016107
300	ASR1200	262612016108



1150 - Ductile iron butterfly valve with pneumatic actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - EPDM Seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above - Temperature range: -5°C/+90°C.



DN	Double acting	
	Actuator	code
32-40	ADA20	260303015100
50	ADA20	260304015100
65	ADA40	260305015101
80	ADA40	260306015101
100	ADA80	260307015102
125	ADA80	260308015102
150	ADA130	260309015103
200	ADA200	260310015104
250	ADA300	260311015105
300	ADA500	260312015106
350	ADA850	260313015107
400	ADA1200	260314015108

DN	Spring return	
	Actuator	code
32-40	ASR40	260303016101
50	ASR40	260304016101
65	ASR80	260305016102
80	ASR80	260306016102
100	ASR130	260307016103
125	ASR200	260308016104
150	ASR300	260309016105
200	ASR500	260310016106
250	ASR500	260311016106
300	ASR850	260312016107
350	ASR1200	260313016108
400	ASR2500	260314016111



1152 - Ductile iron butterfly valve with pneumatic actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - NBR Seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above - Temperature range: -10°C/+80°C.



DN	Double acting	
	Actuator	code
32-40	ADA20	260333015100
50	ADA20	260334015100
65	ADA40	260335015101
80	ADA40	260336015101
100	ADA80	260337015102
125	ADA80	260338015102
150	ADA130	260339015103
200	ADA200	260340015104
250	ADA300	260341015105

DN	Spring return	
	Actuator	code
32-40	ASR40	260333016101
50	ASR40	260334016101
65	ASR80	260335016102
80	ASR80	260336016102
100	ASR130	260337016103
125	ASR200	260338016104
150	ASR300	260339016105
200	ASR500	260340016106
250	ASR500	260341016106



1153 - Ductile iron butterfly valve with pneumatic actuator

GGG50 body - CF8M disc - EPDM Seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above - Temperature range: -10°C/+90°C.



DN	Double acting	
	Actuator	code
32-40	ADA20	260363015100
50	ADA20	260364015100
65	ADA40	260365015101
80	ADA40	260366015101
100	ADA80	260367015102
125	ADA80	260368015102
150	ADA130	260369015103
200	ADA200	260370015104
250	ADA300	260371015105
300	ADA500	260372015106
350	ADA850	260373015107
400	ADA1200	260374015108

DN	Spring return	
	Actuator	code
32-40	ASR40	260363016101
50	ASR40	260364016101
65	ASR80	260365016102
80	ASR80	260366016102
100	ASR130	260367016103
125	ASR200	260368016104
150	ASR300	260369016105
200	ASR500	260370016106
250	ASR500	260371016106
300	ASR850	260372016107
350	ASR1200	260373016108
400	ASR2500	260374016111



1154 - Ductile iron butterfly valve with pneumatic actuator

GGG50 body - CF8M disc - FKM (Viton®) seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above - Temperature range: -5°C/+150°C.

DN	Double acting	
	Actuator	code
32-40	ADA20	260393015100
50	ADA20	260394015100
65	ADA40	260395015101
80	ADA40	260396015101
100	ADA80	260397015102
125	ADA80	260398015102
150	ADA130	260399015103
200	ADA200	260400015104
250	ADA300	260401015105
300	ADA500	260402015106

DN	Spring return	
	Actuator	code
32-40	ASR40	260393016101
50	ASR40	260394016101
65	ASR80	260395016102
80	ASR80	260396016102
100	ASR130	260397016103
125	ASR200	260398016104
150	ASR300	260399016105
200	ASR500	260400016106
250	ASR500	260401016106
300	ASR850	260402016107



1141 - Ductile iron butterfly valve for "gas" with pneumatic actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - NBR Seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Temperature range: -10°C/+60°C - MOP5 category - Certificate NF ROB GAZ 064-R3 up to 5 bar.

DN	Double acting	
	Actuator	code
32-40	ADA20	260593015100
50	ADA20	260594015100
65	ADA40	260595015101
80	ADA40	260596015101
100	ADA80	260597015102
125	ADA80	260598015102
150	ADA130	260599015103
200	ADA200	260600015104

DN	Spring return	
	Actuator	code
32-40	ASR40	260593016101
50	ASR40	260594016101
65	ASR80	260595016102
80	ASR80	260596016102
100	ASR130	260597016103
125	ASR200	260598016104
150	ASR300	260599016105
200	ASR500	260600016106



1145 - Ductile iron butterfly valve with pneumatic actuator

GGG50 body - CF8M disc - PTFE seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Temperature range: -25°C/+200°C.

DN	Double acting	
	Actuator	code
50	ADA40	260545015101
65	ADA80	260546015102
80	ADA80	260547015102
100	ADA130	260548015103
125	ADA200	260549015104
150	ADA300	260550015105
200	ADA300	260551015105
250	ADA850	260552015107
300	ADA850	260553015107

DN	Spring return	
	Actuator	code
50	ASR130	260545016103
65	ASR130	260546016103
80	ASR200	260547016104
100	ASR300	260548016105
125	ASR500	260549016106
150	ASR500	260550016106
200	ASR850	260551016107
250	ASR1200	260552016108
300	ASR2100	260553016110



1111 - Carbon steel butterfly valve metal-metal with pneumatic actuator

A216WCB body - GGG50 disc (CF8M disc up to DN100) - Metal seat - Wafer type PN10/16 & ANSI 150 - Uncomplete tightness: loss factor 2% of Kvs - Max. pressure: 16 bar - Max. temperature: 350°C.

DN	Double acting	
	Actuator	code
32-40	ADA20	263003015100
50	ADA20	263004015100
65	ADA40	263005015101
80	ADA40	263006015101
100	ADA80	263007015102
125	ADA80	263008015102
150	ADA130	263009015103
200	ADA200	263010015104

DN	Spring return	
	Actuator	code
32-40	ASR40	263003016101
50	ASR40	263004016101
65	ASR80	263005016102
80	ASR80	263006016102
100	ASR130	263007016103
125	ASR200	263008016104
150	ASR300	263009016105
200	ASR500	263010016106

Other diameters on request



1113 - Carbon steel double eccentric butterfly valve with pneumatic actuator

A216WCB body - CF8M disc - PTFE-graphite seat - PTFE-graphite gland pack - Stainless steel 316 stem - Wafer type PN25 - Fire safe API 607/5 - Face to face EN 558-1 5 - Unidirectional use - Max. pressure: 25 bar - Temperature range: -10°C/+210°C - ΔP: max. 20 bar.

DN	Double acting	
	Actuator	code
65	ADA40	260951015101
80	ADA80	260952015102
100	ADA80	260953015102
125	ADA200	260954015104
150	ADA300	260955015105
200	ADA300	260956015105
250	ADA500	260957015106
300	ADA500	260958015106

DN	Spring return	
	Actuator	code
65	ASR80	260951016102
80	ASR130	260952016103
100	ASR200	260953016104
125	ASR300	260954016105
150	ASR500	260955016106
200	ASR500	260956016106



1114 - Stainless steel double eccentric butterfly valve with pneumatic actuator

Same as 1113 above, except: CF8M body & disc - PTFE-graphite seat.

DN	Double acting	
	Actuator	code
65	ADA40	260971015101
80	ADA80	260972015102
100	ADA80	260973015102
125	ADA200	260974015104
150	ADA300	260975015105
200	ADA300	260976015105
250	ADA500	260977015106
300	ADA500	260978015106

DN	Spring return	
	Actuator	code
65	ASR80	260971016102
80	ASR130	260972016103
100	ASR200	260973016104
125	ASR300	260974016105
150	ASR500	260975016106
200	ASR500	260976016106



NEW

PL1 / PVC-U - Butterfly valve with AP pneumatic actuator

PVC-U body - Reinforced PP disc - EPDM or FKM seat - Flanged PN10 - Max. pressure: 10 bar - Temperature range: +0°C/+55°C.



NEW

PL1 / PP - Butterfly valve with AP pneumatic actuator

PP body - Reinforced PP disc - EPDM or FKM seat - Flanged PN10 - Max. pressure: 10 bar - Temperature range: +10°C/+80°C.

PVC body - EPDM seat					
DN	Face to face (mm)	Double acting		Spring return	
		AP	code	APS	code
40	34	50	5300SW040017006	75	5300SW040017108
50	43	63	5300SW050017007	75	5300SW050017108
65	46	63	5300SW065017007	75	5300SW065017108
80	49	63	5300SW080017007	85	5300SW080017109
100	58	75	5300SW100017008	100	5300SW100017110
125	64	75	5300SW125017008	100	5300SW125017110
150	70	75	5300SW150017008	115	5300SW150017111
200	88	85	5300SW200017009	115	5300SW200017111
250	98	115	5300SW250017011	160	5300SW250017114
300	108	125	5300SW300017012	160	5300SW300017114

PP body - EPDM seat					
DN	Face to face (mm)	Double acting		Spring return	
		AP	code	APS	code
50	34	50	5310SW040017006	75	5310SW040017108
63	43	63	5310SW050017007	75	5310SW050017108
63	46	63	5310SW065017007	75	5310SW065017108
63	49	63	5310SW080017007	85	5310SW080017109
75	58	75	5310SW100017008	100	5310SW100017110
75	64	75	5310SW125017008	100	5310SW125017110
75	70	75	5310SW150017008	115	5310SW150017111
75	88	85	5310SW200017009	115	5310SW200017111

PVC body - FKM seat					
DN	Face to face (mm)	Double acting		Spring return	
		AP	code	APS	code
40	34	50	5301SW040017006	75	5301SW040017108
50	43	63	5301SW050017007	75	5301SW050017108
65	46	63	5301SW065017007	75	5301SW065017108
80	49	63	5301SW080017007	85	5301SW080017109
100	58	75	5301SW100017008	100	5301SW100017110
125	64	75	5301SW125017008	100	5301SW125017110
150	70	75	5301SW150017008	115	5301SW150017111
200	88	85	5301SW200017009	115	5301SW200017111

PP body - FKM seat					
DN	Face to face (mm)	Double acting		Spring return	
		AP	code	APS	code
50	34	50	5311SW040017006	75	5311SW040017108
63	43	63	5311SW050017007	75	5311SW050017108
63	46	63	5311SW065017007	75	5311SW065017108
63	49	63	5311SW080017007	85	5311SW080017109
75	58	75	5311SW100017008	100	5311SW100017110
75	64	75	5311SW125017008	100	5311SW125017110
75	70	75	5311SW150017008	115	5311SW150017111
75	88	85	5311SW200017009	115	5311SW200017111

Pneumatic actuated knife gate valves

Double acting pneumatic actuator - Painted steel side covers - Actuator designed for lubricated air input 6 bar.
Max. pressure: 10 bar up to DN250, 7 bar above.



170 - Cast iron - NBR gasket

GG25 body - 304 gate - Max. temperature: 80°C.

176 - Cast iron - Metal seat

GG25 body - 304 gate - Max. temperature: 100°C -
Uncomplete tightness: loss factor 2% of kvs.

DN	170 code	176 code
50	440004035010	446004035010
65	440005035011	446005035011
80	440006035012	446006035012
100	440007035013	446007035013
125	440008035014	446008035014
150	440009035015	446009035015
200	440010035016	446010035016
* 250	440011035017	446011035017
* 300	440012035018	446012035018
* 350	440013035019	446013035019
* 400	440014035020	446014035020

* 40 € to be added for special packaging.



172 - Stainless steel - EPDM gasket

CF8M body - 316 gate -

Max. temperature: 100°C.

DN	code
50	445004035010
65	445005035011
80	445006035012
100	445007035013
125	445008035014
150	445009035015
200	445010035016
* 250	445011035017
* 300	445012035018
* 350	445013035019
* 400	445014035020

* 40 € to be added for special packaging.

Other seats & deflector, see page 75

Accessories

Limit switches

Set of 2 limit switches for pneumatic actuated valves



Position detectors

Inductive detector IFM Ø12 10-36V DC PNP NO 3 threads with M12 connector
Inductive detector P+F Ø12 10-36V DC PNP NO 3 threads with 2 m wire



Filters - Regulators - Lubricators

Filter regulator 1/4"
Filter regulator 3/8"
Filter regulator + lubricator 1/4"
Filter regulator + lubricator 3/8"



Solenoid valve 5/2 monostable - IP65 Lucifer 341 PO1 - DN50 to 200

Connection 1/4" inlet and 1/8" outlet -
Tubing to actuator included.

Voltage	code
230V AC	042450N
24V AC	042451N
48V AC	042452N
110V AC	042453N
12V DC	042454N
24V DC	042455N



Solenoid valve 5/2 monostable - IP65 Lucifer 341 PO2 - DN250 to 300

Connection 1/4" inlet and 1/8" outlet -
Tubing to actuator included.

Voltage	code
230V AC	042460N
24V AC	042461N
48V AC	042462N
110V AC	042463N
12V DC	042464N
24V DC	042465N



Break

Ø	code
1/8"	041196
1/4"	041195



Silencer

Ø	code
1/8"	041192
1/4"	041193



Single effect set (with air tank)

DN50 to 200
DN250 & 300
DN350 & 400

code
042600
042601
042602

Electric actuators

SECTORIEL
robinetterie industrielle



ISO
9001

IP65



For HVAC

UM 1,5 - Electric actuator IP65 - 15 Nm

Specifications: Compact type - 90° angle operating - Plastic enclosure - Steel reducing box - IP65 - Temperature range: -10°C/+60°C - S4 duty service - 30% of time - 10 starts/hour.

Standard equipment: 2 adjustable limit switches - 2 auxiliary limit switches - Thermal protection - Position indicator - Gland packing electrical connection - 300 mm cable - ISO F03/F05 pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO 5211	⚙️	230V AC code	24V AC code
UM1,5	15	28	4	F03/F05	14	022000	022001



UMA 3,5 - Electric actuator IP65 - 35 Nm

Specifications: Compact type - 90° angle operating - Plastic enclosure - Steel reducing box - IP65 - Temperature range: -10°C/+60°C - S4 duty service - 30% of time - 10 starts/hour.

Standard equipment: 2 adjustable limit switches - 2 auxiliary limit switches - Thermal protection - Position indicator - Declutchable manual override by key (not supplied), except UMA 3,5 L - Gland packing electrical connection - ISO F03/F05 pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO 5211	⚙️	Voltage	code
UMA3,5	35	10	10	F03/F05	14	230V AC 50Hz	022060
UMA3,5	35	15	10	F03/F05	14	24V AC 50Hz	022061
UMA3,5	35	15	10	F03/F05	14	24V DC	022063
UMA3,5 L	35	40	10	F03/F05	14	230V AC	022080



UMC - Electric actuator IP65 - 100 & 150 Nm

Specifications: Compact type - 90° angle operating - Plastic enclosure - Steel reducing box - IP65 - Temperature range: -10°C/+60°C - S4 duty service - 30% of time - 10 starts/hour.

Standard equipment: 2 adjustable limit switches - 2 auxiliary limit switches - Thermal protection - Position indicator - Manual override by key (not supplied), except UMC15 L - Gland packing electrical connection - ISO F07 pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO 5211	⚙️	230V AC code	24V AC code	24V DC code
UMC10	100	8	25	F07	17	022240	-	-
UMC15	150	8	25	F07	17	022250	022251	022253
UMC15 L	150	45	25	F07	17	022280	-	-



UV - Electric actuator IP65 - 50 to 600 Nm

Specifications: Compact type - 90° angle operating - Plastic enclosure - Steel reducing box - IP65 - Temperature range: -10°C/+60°C - S4 duty service - 30% of time - 10 starts/hour.

Standard equipment: 2 adjustable limit switches - 2 auxiliary limit switches - Thermal protection - Position indicator - Manual override by handwheel - Gland packing electrical connection - ISO pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO 5211	⚙️	230V AC code	24V AC code	24V DC code
UVC15	150	8	25	F07	17	022330	022331	-
UVD25	250	20	25	F07/F10	22	022350	022351	022353
UVF50	490	30	40	F10/F12	27	022400	-	-
UVG60	600	30	40	F10/F12	27	022450	-	-

Resistance heater

Voltage	code
230V AC	121115
24V AC/DC	121116



ACTUBOX - Control panel

For UM or UV actuator - Opening and closing operations - 5 positions positioning - LED position indicator - Default actuator indicator - Automatic opening test - Switch-off 240V-3A - IP54 - 230V with 1,5 m wire - Non-supplied 6-8 threads actuator connection.

code
029000



INV - Reverser box

For UM, UV, SA or NA actuator operation - 3 positions switch - Switch-off 240V-3A - IP66.

code
043800N



SA03 - Electric actuator IP67 - 30 Nm

Specifications: Compact type - 90° angle operating - Epoxy coated aluminium enclosure - IP67 - Resistance heater 3W - Temperature range: -20°C/+70°C - S2 duty service - 70% of time.

Standard equipment: 2 limit switches - 2 auxiliary limit switches - Thermal protection - Steel reducing box - Position indicator with led - Declutchable manual override by key (included) - Supplied electrical connection: gland pack M20 x 1,5 - ISO 5211 pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code	24V AC code	24V DC code
SA03	30	8	3	F03/04/05	11	023000	023001	023004



SA05 - Electric actuator IP67 - 50 Nm

Specifications: Comply with EN 12517-2 standard - Compact type - 90° angle operating - Epoxy coated aluminium enclosure with polycarbonate cap - IP67 - Resistance heater 2W - Temperature range: -20°C/+70°C - S2 duty service - 70% of time.

Standard equipment: 2 limit switches - 2 auxiliary limit switches - Thermal protection - Steel reducing box - Position indicator with led - Manual override by key (included), except SA05 S - Supplied electrical connection: gland pack M20 x 1,5 - ISO 5211 pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code	24V AC/DC code	12V DC code
SA05	50	17	6	F03/05/07	14	023010	023011	023012
SA05 S	50	100	6	F03/05/07	14	023020	023021	-



SA05-X - ATEX electric actuator IP67 - 50 Nm

Specifications: Compact type - 90° angle operating - Epoxy coated aluminium enclosure with polycarbonate cap - IP67 - ATEX 2 G EEx d IIB T4, areas 1 & 2 - Resistance heater 5W - Temperature range: 20°C/+70°C - S2 duty service - 70% of time.

Standard equipment: 2 limit switches - 2 auxiliary limit switches - Thermal protection - Steel reducing box - Position indicator with led - Manual override by key (included) - Electrical connection: 2 x M20 x 1,5 - ISO 5211 pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code	24V AC code
SA05 X	50	17	6	F03/05/07	14	023310	023311



Gland-pack ATEX 1/2" M20 x 1,5
Cap ATEX 1/2" M20 x 1,5

code
980179
980169



SA-PCU - 4-20 mA / Proportional control unit electric actuator IP67 - 50 Nm

Specifications and equipment : same as SA05 - Includes control card 0-10 V , 2-10 V, 0-20 mA, 4-20 mA.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code	24 V DC code
SA05 PCU	50	17	6	F03/05/07	14	023050	023051



SA-RBP - Fail safe / Safety electric actuator IP67 - 50 Nm

Specifications and equipment : same as SA05 - Back to original position if lack of current - Built-in rechargeable security battery.

Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code
SA05 RBP	50	17	6	F03/05/07	14	023060



SR - Spring return electric actuator IP67

Specifications

90° angle operating - Positive safety with spring return - Epoxy coated aluminium housing - IP67 - Resistance heater 20W - Temperature range: -20°C/+55°C - S2 15 min - Safe handwheel driving - ISO pad, star connection.

Type	Torque (Nm)	Operating time (s) 90°	Spring(s) closing	Electrical power (W)	ISO	⊗	230V AC code
SR05	50	17/15	1	60	F07	14	023080
SR10	100	18/16	1	60	F07/F10	17	023090
SR30	300	65/58	1	60	F10/F12	22	023106

NA - Electric actuator IP67

Specifications

Compact type - 90° ±5° angle operating - Epoxy coated aluminium enclosure - IP67 - Resistance heater 20W - Temperature range: -20°C/+70°C - Torque limiter (except NA06 & NA09) - S2 duty service - 70% of time.

Standard equipment

2 adjustable limit switches - 2 dry auxiliary limit switches 250V 16A - Thermal protection - Steel reducing box - Position indicator - Safe handwheel driving - Supplied electrical connection: gland packing M20 x 1,5 - ISO 5211 pad, star connection.



Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code	400V code	24V AC code	24V DC code
NA06	60	17	15	F07	17	023110	023113	023111	023114
NA09	90	17	25	F07	17	023120	023123	023121	023124
NA15	150	20	40	F07/F10	17	023130	023133	023131	023134
NA28	280	24	40	F10/F12	22	023150	023153	023151	023154
NA38	380	24	60	F10/F12	27	023160	023163	-	-
NA60	600	29	90	F12/F14	27	023180	023183	-	-
NA100	1000	29	180	F12/F14	27	023200	023203	-	-
NA150	1500	87	98	F14/F16	36	023210	023213	-	-
NA200	2000	87	180	F14/F16	36	023220	023223	-	-
NA250	2500	87	180	F14/F16	46	023230	023233	-	-

NA-X - ATEX electric actuator IP67

Specifications and equipment : same as NA actuator, except ATEX II 2 G EExd II B T4.



Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code
NA06 X	60	17	15	F07	17	023320
NA09 X	90	17	25	F07	17	023330
NA15 X	150	20	40	F07/F10	17	023340
NA28 X	280	24	40	F10/F12	22	023360
NA38 X	380	24	60	F10/F12	27	023370
NA60 X	600	29	90	F12/F14	27	023390



Gland-pack ATEX 1/2" M20 x 1,5
Cap ATEX 1/2" M20 x 1,5

code
980179
980169

NA-PCU - 4-20 mA / Proportional control unit electric actuator IP67

Specifications and equipment : same as NA - Includes control card 4-20 mA, 0-10 V.



Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code
NA09 PCU	90	17	25	F07/F10	17	023550
NA15 PCU	150	20	40	F07/F10	17	023560

NA-RBP - Fail safe / Security electric actuator IP67

Specifications and equipment : same as NA - Back to original position if lack of current - Built-in rechargeable security battery.



Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code
NA09 RBP	90	17	25	F07/F10	17	023720
NA15 RBP	150	20	40	F07/F10	17	023730

NA-LCU - Local control unit actuator IP67

Specifications and equipment : same as NA - Setting and diagnosis local control.



Type	Torque (Nm)	Operating time (s) 90°	Electrical power (W)	ISO	⊗	230V AC code	400V code
NA09	90	17	25	F07/F10	17	023820	023823
NA15	150	20	40	F07/F10	17	023830	023833
NA28	180	24	40	F10/F12	22	023850	023853

Electric actuated valves

Electric actuated ball valves

All our electric actuated ball valves are equipped with a 230V AC actuator as standard - Please consult for any other power supply - ⚠ Max. ΔP: 10 bar.

502 - Brass ball valve with electric actuator (BSP)

CW617N body & ball - PTFE seats - Stem tightness: NBR - Full bore - Max. pressure: 16 bar - Temperature range: -10°C/+100°C.



DN	Actuator	code
1/4"	UM1,5	270090022000
3/8"	UM1,5	270091022000
1/2"	UM1,5	270002022000
3/4"	UM1,5	270003022000
1"	UM1,5	270004022000
1 1/4"	UMA3,5	270005022060
1 1/2"	UMA3,5	270006022060
2"	UMA3,5	270007022060
2 1/2"	UMC10	270038022240
3"	UMC10	270039022240
4"	UMC15	270040022250



DN	Actuator	code
1/4"	SA03	270090023000
3/8"	SA03	270091023000
1/2"	SA03	270002023000
3/4"	SA03	270003023000
1"	SA03	270004023000
1 1/4"	SA05	270005023010
1 1/2"	SA05	270006023010
2"	SA05	270007023010
2 1/2"	NA06	270038023110
3"	NA06	270039023110
4"	NA09	270040023120

513 L port / 514 T port - 3 way brass ball valve with electric actuator (BSP)

CW617N body & ball - PTFE seats - Stem tightness: FKM - Reduced bore - Max. pressure: 16 bar - Temperature range: -10°C/+100°C.

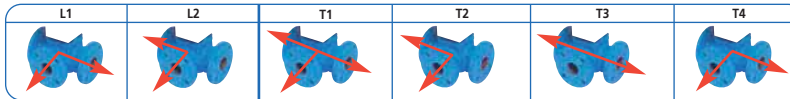


DN	Actuator	513L code
1/4"	UMA3,5	275010022060
3/8"	UMA3,5	275011022060
1/2"	UMA3,5	275012022060
3/4"	UMA3,5	275013022060
1"	UMA3,5	275014022060
1 1/4"	UMA3,5	275015022060
1 1/2"	UMA3,5	275016022060
2"	UMA3,5	275017022060



DN	Actuator	513L code
1/4"	SA03	275010023000
3/8"	SA03	275011023000
1/2"	SA03	275012023000
3/4"	SA03	275013023000
1"	SA03	275014023000
1 1/4"	SA05	275015023010
1 1/2"	SA05	275016023010
2"	SA05	275017023010

	513 L	514 T
code	27501...	27503...



T port: mention 2 consecutive positions (example: T3/T4).

507 - Cast iron flanged ball valve type with electric actuator

GG25 body - Stainless steel ball - PTFE seats - Stem tightness: FKM - Full bore - Flanged RF PN10/16 - DIN 3202 F18 - Max. pressure: 16 bar - Temperature range: -10°C/+200°C.



DN	Actuator	code
15	UMA3,5	270222022060
20	UMA3,5	270223022060
25	UMA3,5	270224022060
32	UMA3,5	270225022060
40	UMA3,5	270226022060
50	UMC10	270227022240
65	UMC10	270228022240
80	UMC10	270229022240
100	UVD25	270230022350
125	UVD25	270231022350
150	UVF50	270232022400
200	UVG60	270233022450



DN	Actuator	code
15	SA05	270222023010
20	SA05	270223023010
25	SA05	270224023010
32	SA05	270225023010
40	SA05	270226023010
50	NA06	270227023110
65	NA09	270228023120
80	NA15	270229023130
100	NA28	270230023150
125	NA28	270231023150
150	NA38	270232023160
200	NA60	270233023180

715 XS - 2 piece stainless steel ball valve with electric actuator (BSP)

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE/FKM - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.



DN	Actuator	code
1/2"	UMA3,5	272402022060
3/4"	UMA3,5	272403022060
1"	UMA3,5	272404022060
1 1/4"	UMA3,5	272405022060
1 1/2"	UMA3,5	272406022060
2"	UMA3,5	272407022060
2 1/2"	UMC10	272408022240
3"	UMC10	272409022240



DN	Actuator	code
1/2"	SA03	272402023000
3/4"	SA03	272403023000
1"	SA03	272404023000
1 1/4"	SA05	272405023010
1 1/2"	SA05	272406023010
2"	SA05	272407023010
2 1/2"	NA09	272408023120
3"	NA09	272409023120

736 XS - 3 piece carbon steel ball valve with electric actuator

A216WCB body - 316 ball - PTFE seats - Stem tightness: PTFE/FKM - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.




TA
LUFT



DN	Actuator	736 XS code
1/2"	UMA3,5	271462022060
3/4"	UMA3,5	271463022060
1"	UMA3,5	271464022060
1 1/4"	UMA3,5	271465022060
1 1/2"	UMA3,5	271466022060
2"	UMA3,5	271467022060
2 1/2"	UMC10	271468022240
3"	UMC10	271469022240
4"	UMC10	271470022240



DN	Actuator	736 XS code
1/2"	SA03	271462023000
3/4"	SA03	271463023000
1"	SA03	271464023000
1 1/4"	SA05	271465023010
1 1/2"	SA05	271466023010
2"	SA05	271467023010
2 1/2"	NA09	271468023120
3"	NA09	271469023120
4"	NA15	271470023130

Also available	736 XS 	734 XS 	735 XS 
code	27146...	27148...	27150...

746 XS - 3 piece stainless steel ball valve with electric actuator

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE/FKM - Full bore - Max. pressure: 63 bar - Temperature range: -10°C/+180°C.




TA
LUFT



DN	Actuator	746 XS code
1/4"	UMA3,5	272500022060
3/8"	UMA3,5	272501022060
1/2"	UMA3,5	272642022060
3/4"	UMA3,5	272643022060
1"	UMA3,5	272644022060
1 1/4"	UMA3,5	272645022060
1 1/2"	UMA3,5	272646022060
2"	UMA3,5	272647022060
2 1/2"	UMC10	272648022240
3"	UMC10	272649022240
4"	UMC10	272650022240



DN	Actuator	746 XS code
1/4"	SA03	272500023000
3/8"	SA03	272501023000
1/2"	SA03	272642023000
3/4"	SA05	272643023010
1"	SA05	272644023010
1 1/4"	SA05	272645023010
1 1/2"	SA05	272646023010
2"	SA05	272647023010
2 1/2"	NA09	272648023120
3"	NA09	272649023120
4"	NA15	272650023130

Also available	746 XS 	745 XS 	743 XS 
code	27264...	27266...	27268...



737 XS - 3 piece carbon steel ball valve with electric actuator

A216WCB body - 316 ball - Stainless steel-PTFE seats - Stem & body tightness: graphite-PTFE - Full bore - Max. pressure: 63 bar - Temperature range: -25°C/+220°C -

⚠ Steam use: max. pressure: 15 bar / max. temperature: +200°C.






747 XS - 3 piece stainless steel ball valve with electric actuator

CF8M body - 316 ball - Stainless steel-PTFE seats - Stem & body tightness: graphite-PTFE - Full bore - Max. pressure: 63 bar - Temperature range: -40°C/+220°C -

⚠ Steam use: max. pressure: 15 bar / max. temperature: +200°C.






DN	Actuator	code
1/2"	SA05	271202023010
3/4"	SA05	271203023010
1"	SA05	271204023010
1 1/4"	SA05	271205023010
1 1/2"	SA05	271206023010
2"	SA05	271207023010

Also available	737 XS 	738 XS 	739 XS 
code	27120...	27121...	27123...



DN	Actuator	code
1/2"	SA05	272702023010
3/4"	SA05	272703023010
1"	SA05	272704023010
1 1/4"	SA05	272705023010
1 1/2"	SA05	272706023010
2"	SA05	272707023010

Also available	747 XS 	748 XS 	749 XS 
code	27270...	27273...	27275...

Oil & gas

702 - 3 piece carbon steel ball valve with electric actuator (BSP)

A216WCB body - CF8M ball - PTFE seats - Double tightness - Full bore - Antistatic system - Firesafe API 607 - Max. pressure: 100 bar - Temperature range: -20°C/+218°C.



DN	Actuator	code
1/4"	SA05	271540023010
3/8"	SA05	271541023010
1/2"	SA05	271542023010
3/4"	SA05	271543023010
1"	SA05	271544023010
1 1/4"	SA05	271545023010
1 1/2"	SA05	271546023010
2"	SA05	271547023010



DN	Actuator	code
1/4"	SA05 X	271540023310
3/8"	SA05 X	271541023310
1/2"	SA05 X	271542023310
3/4"	SA05 X	271543023310
1"	SA05 X	271544023310
1 1/4"	SA05 X	271545023310
1 1/2"	SA05 X	271546023310
2"	SA05 X	271547023310

Also available

702 (BSP)	702 (BW)	702 (SW)	702 (NPT)
code 27154...	code 27156...	code 27158...	code 27159...

Oil & gas

703 - 3 piece stainless steel ball valve with electric actuator (BSP)

CF8M body & ball - PTFE seats - Double tightness - Full bore - Antistatic system - Firesafe API 607 - Max. pressure: 100 bar - Temperature range: -30°C/+218°C.



DN	Actuator	code
1/4"	SA05	272240023010
3/8"	SA05	272241023010
1/2"	SA05	272242023010
3/4"	SA05	272243023010
1"	SA05	272244023010
1 1/4"	SA05	272245023010
1 1/2"	SA05	272246023010
2"	SA05	272247023010



DN	Actuator	code
1/4"	SA05 X	272240023310
3/8"	SA05 X	272241023310
1/2"	SA05 X	272242023310
3/4"	SA05 X	272243023310
1"	SA05 X	272244023310
1 1/4"	SA05 X	272245023310
1 1/2"	SA05 X	272246023310
2"	SA05 X	272247023310

Also available

703 (BSP)	703 (BW)	703 (SW)	703 (NPT)
code 27224...	code 27226...	code 27228...	code 27225...

710 - 3 piece carbon steel flanged ball valve with electric actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN40 - DIN 3202 F1 - Max. pressure: 40 bar - Temperature range: -20°C/+200°C.

UMA3,5



DN	Actuator	code
15	UMA3,5	271312022060
20	UMA3,5	271313022060
25	UMA3,5	271314022060
32	UMA3,5	271315022060
40	UMA3,5	271316022060
50	UMC10	271317022240
65	UMC10	271318022240
80	UMC10	271319022240
100	UVC15	271320022330

NA09



DN	Actuator	code
15	SA05	271312023010
20	SA05	271313023010
25	SA05	271314023010
32	SA05	271315023010
40	SA05	271316023010
50	SA05	271317023010
65	NA09	271318023120
80	NA09	271319023120
100	NA15	271320023130

711 - 3 piece stainless steel flanged ball valve with electric actuator 230V

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN40 - DIN 3202 F1 - Max. pressure: 40 bar - Temperature range: -30°C/+200°C.

UMA3,5



DN	Actuator	code
15	UMA3,5	272812022060
20	UMA3,5	272813022060
25	UMA3,5	272814022060
32	UMA3,5	272815022060
40	UMA3,5	272816022060
50	UMC10	272817022240
65	UMC10	272818022240
80	UMC10	272819022240
100	UVC15	272820022330

NA09



DN	Actuator	code
15	SA05	272812023010
20	SA05	272813023010
25	SA05	272814023010
32	SA05	272815023010
40	SA05	272816023010
50	SA05	272817023010
65	NA09	272818023120
80	NA09	272819023120
100	NA15	272820023130



765 XS - 3 piece carbon steel flanged ball valve with electric actuator

A216WCB body - 316 ball - PTFE-stainless steel seats - Stem & body tightness: PTFE-graphite - Full bore - Flanged RF PN40 - DIN 3202 F1 - Max. pressure: 40 bar - Temperature range: -25°C/+220°C - ⚠️ **Steam use:** max. pressure: 15 bar / max. temperature: +200°C.



DN	Actuator	code
15	SA05	271322023010
20	SA05	271323023010
25	SA05	271324023010
32	SA05	271325023010
40	SA05	271326023010
50	SA05	271327023010
65	NA09	271328023120
80	NA09	271329023120
100	NA15	271330023130

771 XS - Stainless steel flanged ball valve wafer type with electric actuator

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE - Full bore - Wafer type PN16 - Max. pressure: 16 bar - Temperature range: -30°C/+180°C.



DN	Actuator	code
15	UMA3,5	272902022060
20	UMA3,5	272903022060
25	UMA3,5	272904022060
32	UMA3,5	272905022060
40	UMA3,5	272906022060
50	UMC10	272907022240
65	UMC10	272908022240
80	UMC10	272909022240
100	UMC15	272910022250



DN	Actuator	code
15	SA05	272902023010
20	SA05	272903023010
25	SA05	272904023010
32	SA05	272905023010
40	SA05	272906023010
50	NA09	272907023120
65	NA09	272908023120
80	NA15	272909023130
100	NA15	272910023130

762 - Split body carbon steel flanged ball valve with electric actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+200°C.



DN	Actuator	code
15	UMA3,5	274242022060
20	UMA3,5	274243022060
25	UMA3,5	274244022060
32	UMA3,5	274245022060
40	UMA3,5	274246022060
50	UMC10	274247022240
65	UMC10	274248022240
80	UVC15	274249022330
100	UVC15	274250022330



DN	Actuator	code
15	SA05	274242023010
20	SA05	274243023010
25	SA05	274244023010
32	SA05	274245023010
40	SA05	274246023010
50	SA05	274247023010
65	NA09	274248023120
80	NA15	274249023130
100	NA28	274250023150
125	NA28	274251023150
150	NA60	274252023180

763 - Split body stainless steel flanged ball valve with electric actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 - Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+200°C.



DN	Actuator	code
15	UMA3,5	274362022060
20	UMA3,5	274363022060
25	UMA3,5	274364022060
32	UMA3,5	274365022060
40	UMC10	274366022240
50	UMC10	274367022240
65	UMC10	274368022240
80	UVC15	274369022330
100	UVC15	274370022330



DN	Actuator	code
15	SA05	274362023010
20	SA05	274363023010
25	SA05	274364023010
32	SA05	274365023010
40	SA05	274366023010
50	SA05	274367023010
65	NA09	274368023120
80	NA15	274369023130
100	NA28	274370023150
125	NA28	274371023150
150	NA60	274372023180

Oil
& gas

752 - Split body carbon steel flanged ball valve with electric actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 -
Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -20°C/+200°C.



DN	Actuator	code
15	SA05	274282023010
20	SA05	274283023010
25	SA05	274284023010
32	SA05	274285023010
40	SA05	274286023010
50	NA09	274287023120
65	NA09	274288023120
80	NA15	274289023130
100	NA28	274290023150
125	NA28	274291023150
150	NA38	274292023160
200	NA150	274293023210



DN	Actuator	code
15	SA05 X	274282023310
20	SA05 X	274283023310
25	SA05 X	274284023310
32	SA05 X	274285023310
40	SA05 X	274286023310
50	NA09 X	274287023330
65	NA09 X	274288023330
80	NA15 X	274289023340
100	NA28 X	274290023360
125	NA28 X	274291023360
150	NA38 X	274292023370

Oil
& gas

753 - Split body stainless steel flanged ball valve with electric actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - DIN 3202 F4/F5 -
Max. pressure: 40 bar up to DN50, 16 bar above - Temperature range: -30°C/+200°C.



DN	Actuator	code
15	SA05	274402023010
20	SA05	274403023010
25	SA05	274404023010
32	SA05	274405023010
40	SA05	274406023010
50	NA09	274407023120
65	NA09	274408023120
80	NA15	274409023130
100	NA28	274410023150
125	NA28	274411023150
150	NA38	274412023160
200	NA150	274413023210



DN	Actuator	code
15	SA05 X	274402023310
20	SA05 X	274403023310
25	SA05 X	274404023310
32	SA05 X	274405023310
40	SA05 X	274406023310
50	NA09 X	274407023330
65	NA09 X	274408023330
80	NA15 X	274409023340
100	NA28 X	274410023360
125	NA28 X	274411023360
150	NA38 X	274412023370

Oil
& gas

756 - Split-body carbon steel flanged ball valve with electric actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF ANSI 150 -
Max. pressure: 20 bar - Temperature range: -20°C/+200°C.



DN	Actuator	code
15	SA05	274322023010
20	SA05	274323023010
25	SA05	274324023010
40	SA05	274326023010
50	NA09	274327023120
65	NA09	274328023120
80	NA15	274329023130
100	NA28	274330023150
150	NA38	274332023160



DN	Actuator	code
15	SA05 X	274322023310
20	SA05 X	274323023310
25	SA05 X	274324023310
40	SA05 X	274326023310
50	NA09 X	274327023330
65	NA09 X	274328023330
80	NA15 X	274329023340
100	NA28 X	274330023360
150	NA38 X	274332023370

Oil
& gas

757 - Split-body stainless steel flanged ball valve with electric actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF ANSI 150 -
Max. pressure: 20 bar - Temperature range: -30°C/+200°C.



DN	Actuator	code
15	SA05	274422023010
20	SA05	274423023010
25	SA05	274424023010
40	SA05	274426023010
50	NA09	274427023120
65	NA09	274428023120
80	NA15	274429023130
100	NA28	274430023150
150	NA38	274432023160



DN	Actuator	code
15	SA05 X	274422023310
20	SA05 X	274423023310
25	SA05 X	274424023310
40	SA05 X	274426023310
50	NA09 X	274427023330
65	NA09 X	274428023330
80	NA15 X	274429023340
100	NA28 X	274430023360
150	NA38 X	274432023370

780 XS L / 781 XS T - 3 way stainless steel ball valve with electric actuator (BSP)

CF8M body - 316 ball - PTFE seats - Stem tightness: PTFE - Reduced bore - Max. pressure: 63 bar - Temperature range: -30°C/+180°C.

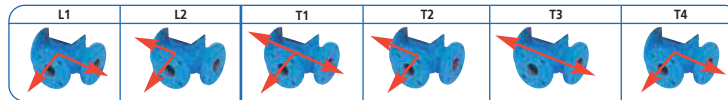


DN	Actuator	780 XS L code
1/4"	UMA3,5	275400022060
3/8"	UMA3,5	275401022060
1/2"	UMA3,5	275402022060
3/4"	UMA3,5	275403022060
1"	UMA3,5	275404022060
1"1/4	UMA3,5	275405022060
1"1/2	UMA3,5	275406022060
2"	UMC10	275407022240



DN	Actuator	780 XS L code
1/4"	SA05	275400023010
3/8"	SA05	275401023010
1/2"	SA05	275402023010
3/4"	SA05	275403023010
1"	SA05	275404023010
1"1/4	SA05	275405023010
1"1/2	SA05	275406023010
2"	SA05	275407023010

	780 XS L	781 XS T
code	27540...	27542...



T port: mention 2 consecutive positions (example: T3/T4).

783 L / 784 T - 3 way carbon steel flanged ball valve with electric actuator

A216WCB body - CF8M ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - Max. pressure: 16 bar - Temperature range: -20°C/+150°C.



DN	Actuator	783 L code
50	UVC15	275677022330
65	UVC15	275678022330
80	UVD25	275679022350
100	UVD25	275680022350



DN	Actuator	783 L code
50	NA09	275677023120
65	NA15	275678023130
80	NA28	275679023150
100	NA28	275680023150
125	NA60	275681023180
150	NA60	275682023180

	783 L	784 T
code	27567...	27568...
code	27568...	27569...



T port: mention 2 consecutive positions (example: T3/T4).

785 L / 786 T - 3 way stainless steel flanged ball valve with electric actuator

CF8M body & ball - PTFE seats - Stem tightness: PTFE - Full bore - Flanged RF PN16 - Max. pressure: 16 bar - Temperature range: -30°C/+150°C.

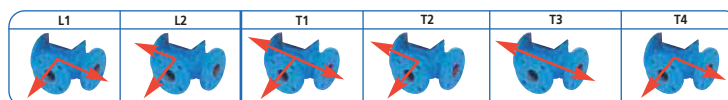


DN	Actuator	785 L code
50	UVC15	275377022330
65	UVC15	275378022330
80	UVD25	275379022350
100	UVD25	275380022350



DN	Actuator	785 L code
50	NA09	275377023120
65	NA15	275378023130
80	NA28	275379023150
100	NA28	275380023150
125	NA60	275381023180
150	NA60	275382023180

	785 L	786 T
code	27537...	27538...
code	27538...	27539...



T port: mention 2 consecutive positions (example: T3/T4).

Electric actuated butterfly valves

All our electric actuated butterfly valves are equipped with a 230V AC actuator as standard, except réf. 1125 (3-400V AC actuator above DN300) and réf. 1150 (3-400V AC actuator above DN350) - Please consult for any other power supply - ⚠ Max. ΔP: 10 bar up to DN300, 5 bar above.

1125 - Cast iron butterfly valve with electric actuator

GG25 body - Nickel plated GGG40 disc - EPDM seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN300, 10 bar above - Temperature range: -10°C/+110°C - 230V actuator up to DN300, 3-400V above.



DN	Actuator	code
32-40	UMA3,5	262003022060
50	UMA3,5	262004022060
65	UMA3,5	262005022060
80	UMA3,5	262006022060
100	UMC10	262007022240
125	UMC10	262008022240
150	UVC15	262009022330
200	UVD25	262010022350
250	UVF50	262011022400
300	UVG60	262012022450



DN	Actuator	code
32-40	SA05	262003023010
50	SA05	262004023010
65	SA05	262005023010
80	SA05	262006023010
100	SA05	262007023010
125	NA09	262008023120
150	NA15	262009023130
200	NA15	262010023130
250	NA28	262011023150
300	NA60	262012023180
350	NA60	262013023183
400	NA100	262014023203
450	NA150	262015023213
500	NA200	262016023223
600	NA250	262017023233

1123 - Cast iron butterfly valve with electric actuator

GG25 body - CF8M disc - EPDM seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Temperature range: -10°C/+110°C.



DN	Actuator	code
32-40	UMA3,5	262103022060
50	UMA3,5	262104022060
65	UMA3,5	262105022060
80	UMA3,5	262106022060
100	UMC10	262107022240
125	UMC10	262108022240
150	UVC15	262109022330
200	UVD25	262110022350
250	UVF50	262111022400
300	UVG60	262112022450



DN	Actuator	code
32-40	SA05	262103023010
50	SA05	262104023010
65	SA05	262105023010
80	SA05	262106023010
100	SA05	262107023010
125	NA09	262108023120
150	NA15	262109023130
200	NA15	262110023130
250	NA28	262111023150
300	NA60	262112023180

Up to DN 600 on request

1121 - Cast iron butterfly valve with electric actuator

GG25 body - CF8M disc - NBR seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar - Temperature range: -10°C/+90°C.



DN	Actuator	code
32-40	UMA3,5	262203022060
50	UMA3,5	262204022060
65	UMA3,5	262205022060
80	UMA3,5	262206022060
100	UMC10	262207022240
125	UMC10	262208022240
150	UVC15	262209022330
200	UVD25	262210022350
250	UVF50	262211022400
300	UVG60	262212022450



DN	Actuator	code
32-40	SA05	262203023010
50	SA05	262204023010
65	SA05	262205023010
80	SA05	262206023010
100	SA05	262207023010
125	NA09	262208023120
150	NA15	262209023130
200	NA15	262210023130
250	NA28	262211023150
300	NA60	262212023180

1135 - Cast iron butterfly valve with electric actuator

GG25 body - Nickel plated GGG40 disc - EPDM seat - Lug type PN10 - Max. pressure: 16 bar - Temperature range: -10°C/+110°C.



DN	Actuator	code
50	UMA3,5	262504022060
65	UMA3,5	262505022060
80	UMA3,5	262506022060
100	UMC10	262507022240
125	UMC10	262508022240
150	UMC10	262509022240
200	UVD25	262510022350
250	UVF50	262511022400
300	UVG60	262512022450



DN	Actuator	code
50	SA05	262504023010
65	SA05	262505023010
80	SA05	262506023010
100	SA05	262507023010
125	NA09	262508023120
150	NA15	262509023130
200	NA15	262510023130
250	NA28	262511023150
300	NA60	262512023180

1133 - Cast iron butterfly valve with electric actuator

GG25 body - CF8M disc - EPDM seat - Lug type PN10 - Max. pressure: 16 bar - Temperature range: -10°C/+110°C.



DN	Actuator	code
50	UMA3,5	262604022060
65	UMA3,5	262605022060
80	UMA3,5	262606022060
100	UMC10	262607022240
125	UMC10	262608022240
150	UMC10	262609022240
200	UVD25	262610022350
250	UVF50	262611022400
300	UVG60	262612022450



DN	Actuator	code
50	SA05	262604023010
65	SA05	262605023010
80	SA05	262606023010
100	SA05	262607023010
125	NA09	262608023120
150	NA15	262609023130
200	NA15	262610023130
250	NA28	262611023150
300	NA60	262612023180

1150 - Ductile iron butterfly valve with electric actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - EPDM seat - Wafer type PN10/16 & ANSI 150 up to DN400, PN10 above -

Max. pressure: 16 bar up to DN200, 10 bar above - Temperature range: -10°C/+90°C - 230V actuator up to DN350, 3-400V above.



DN	Actuator	code
32-40	UMA3,5	260303022060
50	UMA3,5	260304022060
65	UMA3,5	260305022060
80	UMA3,5	260306022060
100	UMC10	260307022240
125	UMC10	260308022240
150	UVC15	260309022330
200	UVC15	260310022330
250	UVD25	260311022350
300	UVF50	260312022400
350	UVG60	260313022450



DN	Actuator	code
32-40	SA05	260303023010
50	SA05	260304023010
65	SA05	260305023010
80	SA05	260306023010
100	SA05	260307023010
125	NA09	260308023120
150	NA15	260309023130
200	NA15	260310023130
250	NA28	260311023150
300	NA38	260312023160
350	NA60	260313023180
400	NA100	260314023203
450	NA200	260315023323
500	NA250	260316023233

1153 - Ductile iron butterfly valve with electric actuator

GGG50 body - CF8M disc - EPDM seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above -

Temperature range: -10°C/+90°C.



DN	Actuator	code
32-40	UMA3,5	260363022060
50	UMA3,5	260364022060
65	UMA3,5	260365022060
80	UMA3,5	260366022060
100	UMC10	260367022240
125	UMC10	260368022240
150	UVC15	260369022330
200	UVC15	260370022330
250	UVD25	260371022350
300	UVF50	260372022400
350	UVG60	260373022450



DN	Actuator	code
32-40	SA05	260363023010
50	SA05	260364023010
65	SA05	260365023010
80	SA05	260366023010
100	SA05	260367023010
125	NA09	260368023120
150	NA15	260369023130
200	NA15	260370023130
250	NA28	260371023150
300	NA38	260372023160
350	NA60	260373023180

1152 - Ductile iron butterfly valve with electric actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - NBR seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above -

Temperature range: -10°C/+80°C.



DN	Actuator	code
32-40	UMA3,5	260333022060
50	UMA3,5	260334022060
65	UMA3,5	260335022060
80	UMA3,5	260336022060
100	UMC10	260337022240
125	UMC10	260338022240
150	UVC15	260339022330
200	UVC15	260340022330
250	UVD25	260341022350
300	UVF50	260342022400
350	UVG60	260343022450



DN	Actuator	code
32-40	SA05	260333023010
50	SA05	260334023010
65	SA05	260335023010
80	SA05	260336023010
100	SA05	260337023010
125	NA09	260338023120
150	NA15	260339023130
200	NA15	260340023130
250	NA28	260341023150
300	NA38	260342023160
350	NA60	260343023180
400	NA100	260344023200

1151 - Ductile iron butterfly valve with electric actuator

GGG50 body - CF8M disc - NBR seat - Wafer type PN10/16 & ANSI - Max. pressure: 16 bar up to DN200, 10 bar above -
Temperature range: -10°C/+80°C.



DN	Actuator	code
32-40	UMA3,5	260440022060
50	UMA3,5	260441022060
65	UMA3,5	260442022060
80	UMA3,5	260443022060
100	UMC10	260444022240
125	UMC10	260445022240
150	UVC15	260446022330
200	UVC15	260447022330
250	UVD25	260448022350
300	UVF50	260449022400



DN	Actuator	code
32-40	SA05	260440023010
50	SA05	260441023010
65	SA05	260442023010
80	SA05	260443023010
100	SA05	260444023010
125	NA09	260445023120
150	NA15	260446023130
200	NA15	260447023130
250	NA28	260448023150
300	NA38	260449023160

1154 - Ductile iron butterfly valve with electric actuator

GGG50 body - CF8M disc - FKM (Viton®) seat - Wafer type PN10/16 & ANSI 150 - Max. pressure: 16 bar up to DN200, 10 bar above -
Temperature range: -5°C/+150°C - Above DN350: 3-400V actuator with ΔP: 5 bar max.



DN	Actuator	code
32-40	UMA3,5	260393022060
50	UMA3,5	260394022060
65	UMA3,5	260395022060
80	UMA3,5	260396022060
100	UMC10	260397022240
125	UMC10	260398022240
150	UVC15	260399022330
200	UVC15	260400022330
250	UVD25	260401022350
300	UVF50	260402022400



DN	Actuator	code
32-40	SA05	260393023010
50	SA05	260394023010
65	SA05	260395023010
80	SA05	260396023010
100	SA05	260397023010
125	NA09	260398023120
150	NA15	260399023130
200	NA15	260400023130
250	NA28	260401023150
300	NA38	260402023160
350	NA60	260403023180
400	NA100	260404023200



1141 - Ductile iron butterfly valve for "gas" with electric actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - NBR seat -
Wafer type PN10/16 ANSI 150 - Max. pressure: 16 bar -
Temperature range: -10°C/+60°C - MOP5 category -
Certificate NF ROB GAZ 064-R3 up to 5 bar.



DN	Actuator	code
32-40	SA05	260593023010
50	SA05	260594023010
65	SA05	260595023010
80	SA05	260596023010
100	SA05	260597023010
125	NA09	260598023120
150	NA15	260599023130
200	NA15	260600023130



1111 - Carbon steel butterfly valve metal-metal with electric actuator

A216WCB body - GGG50 disc - Metal seat -
Uncomplete tightness: loss factor 2% of Kvs -
Max. pressure: 16 bar -
Max. temperature: 350°C.

DN	Actuator	code
32-40	SA05	263003023010
50	SA05	263004023010
65	SA05	263005023010
80	SA05	263006023010
100	SA05	263007023010
125	NA09	263008023120
150	NA15	263009023130



1160 - Ductile iron butterfly valve with electric actuator

GGG50 body - GGG50 disc (CF8M disc up to DN100) - EPDM seat - Lug type PN10 - Max. pressure: 16 bar up to DN200, 10 bar above -
Temperature range: -10°C/+90°C.



DN	Actuator	code
40	UMA3,5	261303022060
50	UMA3,5	261304022060
65	UMA3,5	261305022060
80	UMA3,5	261306022060
100	UMC10	261307022240
125	UMC10	261308022240



DN	Actuator	code
40	SA05	261303023010
50	SA05	261304023010
65	SA05	261305023010
80	SA05	261306023010
100	SA05	261307023010
125	NA09	261308023120
150	NA15	261309023130
200	NA15	261310023130
250	NA28	261311023150
300	NA38	261312023160

1113 - Carbon steel double eccentric butterfly valve with electric actuator

A216WCB body - CF8M disc - PTFE-graphite seat - PTFE-graphite gland pack - Stainless steel 316 stem - Wafer type PN25 - Fire safe API 607/5 - Face to face EN 558-1 5 - Unidirectional use - Max. pressure: 25 bar - Temperature range: -10°C/+210°C.



DN	Actuator	code
50	NA06	260950023110
65	NA06	260951023110
80	NA06	260952023110
100	NA09	260953023120
125	NA15	260954023130
150	NA28	260955023150
200	NA28	260956023150
250	NA38	260957023160
300	NA38	260958023160



Ex
Zones
1 & 2
10 €/pc

DN	Actuator	code
50	NA06 X	260950023320
65	NA06 X	260951023320
80	NA06 X	260952023320
100	NA09 X	260953023330
125	NA15 X	260954023340
150	NA28 X	260955023360
200	NA28 X	260956023360
250	NA38 X	260957023370
300	NA38 X	260958023370

1114 - Stainless steel double eccentric butterfly valve with electric actuator

Same as 1113 above, except: CF8M body & disc - PTFE-graphite seat.



DN	Actuator	code
50	NA06	260970023110
65	NA06	260971023110
80	NA06	260972023110
100	NA09	260973023120
125	NA15	260974023130
150	NA28	260975023150
200	NA28	260976023150
250	NA38	260977023160
300	NA38	260978023160



Ex
Zones
1 & 2
10 €/pc

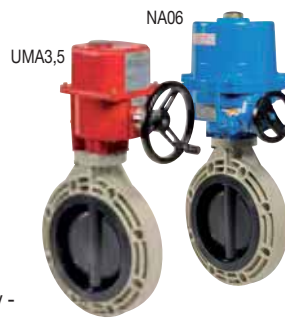
DN	Actuator	code
50	NA06 X	260970023320
65	NA06 X	260971023320
80	NA06 X	260972023320
100	NA09 X	260973023330
125	NA15 X	260974023340
150	NA28 X	260975023360
200	NA28 X	260976023360
250	NA38 X	260977023370
300	NA38 X	260978023370



NEW

PL1 / PVC-U - Butterfly valve with electric actuator

PVC-U body - Reinforced PP disc - EPDM or FPM seat - Max. pressure: 10 bar - Temperature range: 0°C/+55°C - Flanged PN10 - U actuator: IP65 standard duty - SA/NA actuator: IP67 heavy duty.



NEW

PL1 / PP - Butterfly valve with electric actuator

PP body - Reinforced PP disc - EPDM or FPM seat - Max. pressure: 10 bar - Temperature range: +10°C/+80°C - Flanged PN10 - U actuator: IP65 standard duty - SA/NA actuator: IP67 heavy duty.

DN	Face to face (mm)	PVC body / EPDM seat			
		U	code	SA/NA	code
40	34	UMA3,5	5300SW040022060	SA05	5300SW040023010
50	43	UMA3,5	5300SW050022060	SA05	5300SW050023010
65	46	UMA3,5	5300SW065022060	SA05	5300SW065023010
80	49	UMA3,5	5300SW080022060	SA05	5300SW080023010
100	58	UMC10	5300SW100022240	SA05	5300SW100023010
125	64	UMC10	5300SW125022240	NA06	5300SW125023110
150	70	UMC10	5300SW150022240	NA09	5300SW150023120
200	88	UVC15	5300SW200022330	NA15	5300SW200023130
250	98	UVD25	5300SW250022350	NA28	5300SW250023150
300	108	UVF50	5300SW300022400	NA38	5300SW300023160

DN	Face to face (mm)	PP body / EPDM seat			
		U	code	SA/NA	code
40	34	UMA3,5	5310SW040022060	SA05	5310SW040023010
50	43	UMA3,5	5310SW050022060	SA05	5310SW050023010
65	46	UMA3,5	5310SW065022060	SA05	5310SW065023010
80	49	UMA3,5	5310SW080022060	SA05	5310SW080023010
100	58	UMC10	5310SW100022240	SA05	5310SW100023010
125	64	UMC10	5310SW125022240	NA06	5310SW125023110
150	70	UMC10	5310SW150022240	NA09	5310SW150023120
200	88	UVC15	5310SW200022330	NA15	5310SW200023130

DN	Face to face (mm)	PVC body / FPM seat			
		U	code	SA/NA	code
40	34	UMA3,5	5301SW040022060	SA05	5301SW040023010
50	43	UMA3,5	5301SW050022060	SA05	5301SW050023010
65	46	UMA3,5	5301SW065022060	SA05	5301SW065023010
80	49	UMA3,5	5301SW080022060	SA05	5301SW080023010
100	58	UMC10	5301SW100022240	SA05	5301SW100023010
125	64	UMC10	5301SW125022240	NA06	5301SW125023110
150	70	UMC10	5301SW150022240	NA09	5301SW150023120
200	88	UVC15	5301SW200022330	NA15	5301SW200023130

DN	Face to face (mm)	PP body / FPM seat			
		U	code	SA/NA	code
40	34	UMA3,5	5311SW040022060	SA05	5311SW040023010
50	43	UMA3,5	5311SW050022060	SA05	5311SW050023010
65	46	UMA3,5	5311SW065022060	SA05	5311SW065023010
80	49	UMA3,5	5311SW080022060	SA05	5311SW080023010
100	58	UMC10	5311SW100022240	SA05	5311SW100023010
125	64	UMC10	5311SW125022240	NA06	5311SW125023110
150	70	UMC10	5311SW150022240	NA09	5311SW150023120
200	88	UVC15	5311SW200022330	NA15	5311SW200023130

Electric actuated knife gate valves

Uni-directional tightness: specific mounting position - Electric actuator REGADA 230V - IP67 - Temperature range: -25°C/+55°C - Safety manual gear - Heating resistance 20W - S4 duty service / 25% of time - 10 cycles/hour - Torque limiter - Painted steel side covers - Electric connection M20 x 1,5 (SO2) & M25 x 1,5 (MO3) to be added.



170 - Cast iron - NBR gasket

GG25 body - Stainless steel 304 gate - Max. temperature: 80°C.

176 - Cast iron - Metal seat

GG25 body - Stainless steel 304 gate - Max. temperature: 100°C - Uncomplete tightness: loss factor 2% of kvs.

DN	Operating			
	Actuator	time (s)	170 Code	176 code
50	SO2	39	440004027100	446004027100
65	SO2	48	440005027100	446005027100
80	SO2	60	440006027100	446006027100
* 100	SO2	75	440007027100	446007027100
* 125	SO2	93	440008027100	446008027100
* 150	SO2	114	440009027100	446009027100
* 200	MO3	60	440010027150	446010027150
* 250	MO3	75	440011027150	446011027150
* 300	MO3	90	440012027150	446012027150

* 40 € to be added for special packaging.



172 - Stainless steel - EPDM gasket

CF8M - Stainless steel 316 gate - Max. temperature: 100°C.

DN	Operating			
	Actuator	time (s)	code	
50	SO2	39	445004027100	
65	SO2	48	445005027100	
80	SO2	60	445006027100	
* 100	SO2	75	445007027100	
* 125	SO2	93	445008027100	
* 150	SO2	114	445009027100	
* 200	MO3	60	445010027150	
* 250	MO3	75	445011027150	
* 300	MO3	90	445012027150	

* 40 € to be added for special packaging.

Uni-directional tightness: specific mounting position - Electric actuator AUMA 230V & 3-400V - IP67 - Temperature range: -25°C/+80°C - Safety manual gear - Heating resistance 20W - S2 duty service - 15 mn - Torque limiter - Painted steel side covers - Electric connection PE M20 x 1,5 to be added - ⚠️ **Additional delivery time: 10 days.**



170 - Cast iron - NBR gasket

DN	Actuator	3-400V code	230V code
50	SA07.2	440004027015	440004027010
65	SA07.2	440005027015	440005027010
80	SA07.2	440006027015	440006027010
* 100	SA07.2	440007027015	440007027010
* 125	SA07.6	440008027025	440008027020
* 150	SA07.6	440009027025	440009027020
* 200	SA07.6	440010027025	440010027020
* 250	SA07.6	440011027025	440011027020
* 300	SA10.2	440012027035	440012027030
* 350	SA10.2	440013027035	440013027030
* 400	SA10.2	440014027035	440014027030

* 40 € to be added for special packaging.

172 - Stainless steel - EPDM gasket

DN	Actuator	3-400V code	230V code
50	SA07.2	445004027015	445004027010
65	SA07.2	445005027015	445005027010
80	SA07.2	445006027015	445006027010
* 100	SA07.2	445007027015	445007027010
* 125	SA07.6	445008027025	445008027020
* 150	SA07.6	445009027025	445009027020
* 200	SA07.6	445010027025	445010027020
* 250	SA07.6	445011027025	445011027020
* 300	SA10.2	445012027035	445012027030

* 40 € to be added for special packaging.



Deflector

NBR seat

EPDM seat

FKM seat

DN	50	65	80	100	125	150	200	250	300	350	400
code	985670	985671	985672	985673	985674	985675	985676	985677	985678	985679	985680
code	985500	985501	985502	985503	985504	985505	985506	985507	985508	985509	985510
code	985520	985521	985522	985523	985524	985525	985526	985527	985528	985529	985530
code	985560	985561	985562	985563	985564	985565	985566	985567	985568	985569	985570

Solenoid valves



ESM 85 (BSP)

Normally closed (opening under tension) - Brass CW617N body - Max. pressure: 10 bar - Stainless steel inner parts - ΔP min.: 0,3 bar - NBR membrane - Max. temperature: 80°C - Coil insulation class F - T22 connector.

DN	Bore (mm)	Kv (m ³ /h)	230V 50Hz		24V 50Hz	
			code	code	code	code
3/8"	10	1,86	085001	085011		
1/2"	12	2,20	085002	085012		



ESM 86 (BSP)

Normally closed (opening under tension) - Brass CW617N body - Stainless steel inner parts - NBR membrane (EPDM KTW for ACS version) - Max. pressure: 10 bar - ΔP min.: 0,3 bar - Max. fluid temperature: 80°C (90°C for ACS version) - Max. external temperature: 60°C - EPDM and FKM membranes on request up to 2" - Coil insulation class F - T30 connector.

DN	Bore (mm)	Kv (m ³ /h)	230V 50Hz		24V 50Hz		48V 50Hz		12V DC		24V DC		ACS certified	
			code	code	code	code	code	code	code	code	code	code	code	code
3/8"	10	1,86	086001	086011			086031	086041	086051			-	-	
1/2"	12	2,10	086002	086012			086032	086042	086052			086502	086512	
3/4"	20	5,70	086003	086013			086033	086043	086053			086503	086513	
1"	25	9,60	086004	086014			086034	086044	086054			086504	086514	
1 1/4"	32	22,0	086005	086015			086035	086045	086055			-	-	
1 1/2"	39	27,0	086006	086016			086036	086046	086056			-	-	
2"	51	35,0	086007	086017			086037	086047	086057			-	-	
2 1/2"	65	63,0	086008	086018			086038	086048	086058			-	-	
3"	75	83,0	086009	086019			086039	086049	086059			-	-	



ESM 87 (BSP)

Same as ESM 86, except normally open (closing under tension).

DN	Bore (mm)	Kv (m ³ /h)	230V 50Hz		24V 50Hz		48V 50Hz		12V DC		24V DC		ACS certified	
			code	code	code	code	code	code	code	code	code	code	code	
3/8"	10	1,86	087001	087011			087031	087041	087051			-	-	
1/2"	12	2,10	087002	087012			087032	087042	087052			087502	087512	
3/4"	20	5,70	087003	087013			087033	087043	087053			087503	087513	
1"	25	9,60	087004	087014			087034	087044	087054			087504	087514	
1 1/4"	32	22,0	087005	087015			087035	087045	087055			-	-	
1 1/2"	39	27,0	087006	087016			087036	087046	087056			-	-	
2"	51	35,0	087007	087017			087037	087047	087057			-	-	
2 1/2"	65	63,0	087008	087018			087038	087048	087058			-	-	
3"	75	83,0	087009	087019			087039	087049	087059			-	-	



VSO 84 (BSP)

Normally closed (opening under tension) - Horizontal pipe mounting, solenoid coil on the top - Brass CW617N body - NBR Membrane (EPDM KTW for ACS version) - Max. pressure: 10 bar - Max. fluid temperature: 80°C (90°C for ACS version) - Max. external temperature: 60°C - EPDM and FKM membranes on request - Coil insulation class F - T30 connector.

DN	Bore (mm)	Kv (m ³ /h)	230V 50Hz		24V 50Hz		48V 50Hz		12V DC		24V DC		ACS certified	
			code	code	code	code	code	code	code	code	code	code		
3/8"	10	2,20	084001	084011			084031	084041	084051			-	-	
1/2"	12	2,20	084002	084012			084032	084042	084052			-	-	
3/4"	20	5,50	084003	084013			084033	084043	084053			084503	084513	
1"	25	7,50	084004	084014			084034	084044	084054			084504	084514	
1 1/4"	32	17,50	084005	084015			084035	084045	084055			-	-	
1 1/2"	39	19,00	084006	084016			084036	084046	084056			-	-	
2"	51	32,40	084007	084017			084037	084047	084057			-	-	



ESV 90 (BSP)

Normally closed (opening under tension) - Nickel plated brass CW617N body - Stainless steel inner parts - PTFE valve - Max. pressure: 10 bar - ΔP min.: 1 bar - Max. temperature: 180°C - Max. external temperature: 60°C - Coil insulation class F - T30 connector - All positions mounting up to 1" - Horizontal mounting with solenoid coil on the top above 1".

DN	Bore (mm)	Kv (m ³ /h)	230V 50Hz		24V 50Hz		48V 50Hz		12V DC	
			code	code	code	code	code	code		
1/2"	8	1,1	088002	088012			088032	088052		
3/4"	21	6,3	088003	088013			088033	088053		
1"	21	6,3	088004	088014			088034	088054		
1 1/4"	38	20,4	088005	088015			088035	088055		
1 1/2"	38	20,4	088006	088016			088036	088056		
2"	50	34,8	088007	088017			088037	088057		

MN15 (BSP)

For fuel burners automatic shut-off - According to EN 264 - Normally closed (opening under tension) - Brass body - Brass & stainless steel inner parts, NBR tightness - Recommended upstream protection strainer installation - Max. pressure: 4 bar - Temperature range: -5°/+60°C - Max. viscosity: 8°E.



DN	230V AC		24V AC
	Bore (mm)	code	code
3/8"	5,6	088190	088192
1/2"	5,6	088191	088193

MN 28 (BSP)

For fuel burners automatic shut-off - According to EN 264 - Normally closed (opening under tension) - Aluminium body - Brass & stainless steel inner parts, NBR tightness - Recommended upstream protection strainer installation - Max. pressure: 8 bar - Temperature range: -5°/+60°C - Max. viscosity: 8°E.



DN	230V AC		24V AC
	Bore (mm)	code	code
3/4"	24	088203	088213
1"	24	088204	088214
1"1/4	32	088205	088215
1"1/2	37	088206	088216
2"	42	088207	088217

SPU 220 (BSP)

Direct acting - Normally closed (opening under tension) - No differential pressure required - Stainless steel CF8M body - FKM membrane - Max. temperature: 90°C - Max. external temperature: 60°C - Coil F class - T30 connector - Horizontal mounting, coil on the top.



DN	Bore (mm)	Kv (m³/h)	230V 50/60Hz		24V 50/60Hz		Max. pressure (bar)	24V DC code
			code	code	code	code		
1/2"	13	3,2	7	081002	081012	6	081052	
3/4"	20	6,9	7	081003	081013	5	081053	

SPU 220-X (BSP)

Direct acting - ATEX - Same as SPU 220, except coil ATEX II 2G/D EEx m II T4 for 1, 21, 2 & 22 zones - IP65, supplied with 3 m overmoulded wire - External temperature range: -10°C/+50°C.



DN	Bore (mm)	Kv (m³/h)	230V 50/60Hz		24V 50/60Hz		Max. pressure (bar)	24V DC code
			code	code	code	code		
1/2"	13	3,2	7	081102	081112	6	081152	
3/4"	20	6,9	7	081103	081113	5	081153	



SPU 225 (BSP)

Normally closed (opening under tension) - Use: food & chemical compatible fluids (max. viscosity 50 CST) - Stainless steel CF8M body - FKM membrane - Max. pressure: 10 bar - ΔP min.: 0,5 bar - Max. temperature: 90°C - Max. external temperature: 60°C - T30 connector - Horizontal mounting.



DN	Bore (mm)	Kv (m³/h)	230V 50/60Hz	24V 50/60Hz	24V DC
			code	code	code
3/8"	13	2,82	080001	080011	080051
1/2"	13	2,82	080002	080012	080052
3/4"	25	7,5	080003	080013	080053
1"	25	7,5	080004	080014	080054
1"1/4	38	13,7	080005	080015	080055
1"1/2	38	18,7	080006	080016	080056
2"	50	30,0	080007	080017	080057

SPU 225-X (BSP)

Normally closed (opening under tension) - ATEX - Same as SPU 225, except coil ATEX II 2G/D EEx m II T4 for 1, 21, 2 & 22 zones - IP65, supplied with 3 m overmoulded wire - External temperature range: -10°C/+50°C.



DN	Bore (mm)	Kv (m³/h)	230V 50/60Hz	24V 50/60Hz	24V DC
			code	code	code
3/8"	113	2,82	080101	080111	080151
1/2"	13	2,82	080102	080112	080152
3/4"	25	7,5	080103	080113	080153
1"	25	7,5	080104	080114	080154
1"1/4	38	13,7	080105	080115	080155
1"1/2	38	18,7	080106	080116	080156
2"	50	30,0	080107	080117	080157



Spare coils for solenoid valves

Type	230V 50Hz	24V 50Hz	48V 50Hz	110V 50Hz	12V DC	24V DC	Reinforced tightness set (not for ESM 87)	Connectors	
	code	code	code	code	code	code		Type	code
ESM 85	980300	980301						T 22	980232
* ESM 86 - ESM 87	980310	980311	980313	980314	980315	980316	980690	T 30	980696
VSO 84 (3/8" to 1") ESV 90	980410	980411	980413	980414	980415	980416	980691	T 30	980696
VSO 84 (1" 1/4 to 2")	980510	980511	980513	980514	980515	980516		T 30	980696
SPU	980550	980551	980553	980554	980556	980552		T 30	980696
SPU ATEX	980540	980541							

* Specify with the order the type of valve (ESM 86 or ESM 87) you need the coil for.

On/Off pneumatic actuated valves



NEW

ZEUS® - Bronze actuated angle seat valves (BSP)

CB491K body - PA66 actuator - PTFE-stainless steel seat - Temperature range: -10°C/+180°C - All compatible fluids - Face to face DIN 3202-4 M8 - Threaded connections - Actuator connections 1/8" or NAMUR & air supply max. pressure 8 bar.



1420 - Normally closed - Inlet above the seat

DN	Control head	Kv	Face to face	For compressible fluids - Min. air supply 2,5 bar	
				ΔP max. (bar)	code
3/8"	40	4,5	65	16	1420203
3/8"	50	4,9	65	16	1420303
1/2"	40	5,3	65	16	1420204
1/2"	50	5,7	65	16	1420304
3/4"	50	10,5	75	16	1420305
3/4"	63	10,8	75	-	-
1"	63	20	90	16	1420406
1"	90	20	90	-	-
1"1/4	90	29	110	16	1420507
1"1/2	90	46	120	16	1420508
1"1/2	110	46,5	120	16	1420608
2"	90	59	150	16	1420509
2"	110	67	150	16	1420609

1422 - Normally closed - Inlet under the seat

For liquids - Min. air supply 4,5 bar	
ΔP max. (bar)	code
16	1422203
16	1422303
16	1422204
16	1422304
10	1422305
16	1422405
11	1422406
16	1422506
14	1422507
11	1422508
16	1422608
-	-
10	1422609

1424 - Normally open - Inlet under the seat

DN	Control head	Kv	Face to face	Min. air supply 2,5 bar	
				ΔP max. (bar)	code
3/8"	50	4,9	65	16	1420303
1/2"	50	5,7	65	16	1420304
3/4"	50	10,5	75	16	1420305
1"	63	20	90	16	1420406
1"1/4	63	28,5	110	16	1420507
1"1/2	90	46	120	16	1420508
2"	110	67	150	16	1420609

ARÈS® - Stainless steel actuated angle seat valves (BSP)

CF8M body - PA66 actuator - PTFE-stainless steel seat - Temperature range: -10°C/+180°C - All compatible fluids - Face to face DIN 3202-4 M4 - Threaded connections - Actuator connections 1/8" or NAMUR & air supply max. pressure 8 bar.



1450 - Normally closed - Inlet above the seat

DN	Control head	Kv	Face to face	For compressible fluids - Min. air supply 2,5 bar	
				ΔP max. (bar)	code
1/2"	50	5,7	85	16	1450304
3/4"	50	10,5	95	16	1450305
3/4"	63	10,5	95	-	-
1"	63	20	105	16	1450406
1"	90	29	105	-	-
1"1/4	90	29	120	16	1450507
1"1/2	90	46	130	16	1450508
1"1/2	110	46	130	16	1450608
2"	90	67	150	16	1450509
2"	110	67	150	16	1450609

1542 - Normally closed - Inlet under the seat

For liquids - Min. air supply 4,5 bar	
ΔP max. (bar)	code
16	1454304
10	1454305
16	1454405
11	1454406
16	1454506
14	1454507
11	1454508
16	1454608
10	1454609
-	-

1452 - Normally open - Inlet under the seat

DN	Control head	Kv	Face to face	Min. air supply 2,5 bar	
				ΔP max. (bar)	code
1/2"	50	5,7	85	16	1452304
3/4"	50	10,5	95	16	1452304
1"	63	20	105	16	1452406
1"1/4	63	28,5	120	16	1452407
1"1/2	90	46	130	16	1452508
2"	110	67	150	16	1452609

Solenoid pilot valve ref. M2 & fitting M1/4"-F1/8", see page 50

Limit switch

Control head	code
90	985006
110	985007

2 mechanical limit switches set

Control head	code
50	985008
63	985009
90	985010
110	985011

Full stainless steel actuated angle seat valves 

Stainless steel CF8M body & actuator - PTFE-stainless steel seat - PTFE-FKM gland pack - Normally closed -
Max. pressure: 16 bar - Temperature range: -10°C/+180°C - Compact overall size - Orientable head -
Actuator connection 1/8" & air supply max. pressure: 10 bar - Use: all compatible fluids - Not for gas of group 1.



1430 - Inlet above the seat

1434 - Inlet under the seat

DN	Face to face (mm)	Kv	For compressible fluids			For liquids		
			ΔP max. (bar)	Min. supply (bar)	code	ΔP max. (bar)	Min. supply (bar)	code
1/2"	68	4,7	16	3	1430304	16	4,5	1434304
3/4"	75	9,5	16	4	1430305	12	4,5	1434305
1"	90	18,1	16	5,5	1430306	10	4,5	1434406
1"1/4	116	23,1	11	5	1430407A	6	4,5	1434407A
1"1/2	116	32,9	11	6	1430408A	10	4	1434508A
2"	138	52,8	11	6,5	1430509A	6	4	1434509A



V 100 - Ductile iron flanged On/Off pneumatic actuated valves

2/2 valve, On/Off, closed by lack of air (open on request) supplied by air 6 to 10 bar -
Ductile iron GGG40 body - Max. pressure: 16 bar - Temperature range: -10°C/+180°C - PTFE-graphite parabolic seat, class VI -
Flanged PN16 raised faces - Pneumatic actuator with anti-corrosion aluminium coated piston, connection 1/4" NPT/F.



DN	Face to face (mm)	Kv (m³/h)	Operating pressure		ΔP max. (bar)	code
			Min.	Max.		
15	130	3,8	6	10	12	1410015F
20	150	5,1	6	10	12	1410020F
25	160	9,4	6	10	12	1410025F
32	180	15,4	6	10	12	1410032F
40	200	22,2	6	10	12	1410040F
50	230	40,1	6	10	10	1410050F
65	290	63,4	6	10	12	1410065F
80	310	89,7	6	10	8	1410080F
100	350	136,7	6	10	3	1410100F

* 4 hole flanges.

Limit switch boxes 2 mechanical SPDT

code
041303

FLV-G - Pneumatic pinch valves - Threaded

For powders, aggregates, slurries -
PVC body & ends - Max. pressure: 5 bar -
Temperature range: -30°C/+60°C - Anti-abrasion natural gum sleeve - Compressed air supply, max. pressure: 5 bar, 1/4" connection.



DN	Face to face (mm)	code
3/4"	138	4610020
1"	150	4610025
1"1/4	172	4610032
1"1/2	200	4610040
2"	224	4610050

FLV-B - Pneumatic pinch valves - Flanged PN10

For powders, aggregates, slurries - Aluminium body & flanges - Max. pressure: 5 bar - Temperature range: -30°C/+60°C - Anti-abrasion rubber sleeve - Compressed air supply, max. pressure: 5 bar, 1/4" connection (except for DN150: 3/8" connection).



DN	Face to face (mm)	code
40	156	4620040
50	167	4620050
65	184	4620065
80	226	4620080
100	282	4620100
125	350	4620125
150	420	4620150



Pilot accessories

Pilot with regulator FR500, solenoid valve 3/2 EBB62 230V AC, upstream pipe fitting Ø 6mm, valve outlet 1/4"
Ditto, except voltage 24V AC
Ditto, except voltage 24V DC
Fast exhaust 1/4"

Valve 3/4" to 2" & DN40 to 125 code	Valve DN150 code
042700N	041820N
042701N	041821N
042702N	041822N
21661022	21661022

Control valves



⚠ Sizing & actuating depending on actual working conditions (medium, temperature, pressure, flow). Please, consult for a proper offer.

FLY - 2 way pneumatic control valves

Stainless steel 316 internal devices - Screwed seat - Reinforced PTFE check valve; tightness: class VI - Reinforced PTFE packing gland with automatic compensation - Max. temperature: 180°C - Pneumatic actuator normally closed or normally open type 3-15 psi.

Cast iron body / NC - Flanged PN16

Cast iron GS body - Max. pressure: 16 bar at 120°C / 13 bar at 200°C - Limited up to 180°C with standard gland packing.

DN	Face to face (mm)	Kvs	Δp 3-15 psi	code	Δp 3-15 psi	code	Δp 3-15 psi	code	Δp 3-15 psi	code
15	150	3,8	10	111101031101	-	-	-	-	-	-
20	150	5,1	10	111102031101	16	111102031102	-	-	-	-
25	160	8,5	9	111103031101	16	111103031102	-	-	-	-
32	180	13,7	-	-	8	111104031102	-	-	-	-
40	200	22,2	-	-	6	111105031102	16	111105031103	-	-
50	230	36,7	-	-	3,5	111106031102	10	111106031103	16	111106031104
65	290	62,4	-	-	-	-	4	111107031103	6	111107031104
80	310	88,0	-	-	-	-	2,5	111108031103	5	111108031104
100	350	128,0	-	-	-	-	-	-	3	111109031104

Carbon steel body / NC - Flanged PN40

A216WCB body - Max. pressure: 40 bar at 120°C / 10 bar at 400°C - Limited up to 180°C with standard gland packing.

DN	Face to face (mm)	Kvs	Δp 3-15 psi	code	Δp 3-15 psi	code	Δp 3-15 psi	code	Δp 3-15 psi	code
15	150	3,8	10	111121031101	27	111121031102	-	-	-	-
20	150	5,1	10	111122031101	25	111122031102	-	-	-	-
25	160	8,5	9	111123031101	16	111123031102	-	-	-	-
32	180	13,7	-	-	8	111124031102	-	-	-	-
40	200	22,2	-	-	6	111125031102	16	111125031103	-	-
50	230	36,7	-	-	3,5	111126031102	10	111126031103	25	111126031104
65	290	62,4	-	-	-	-	4	111127031103	6	111127031104
80	310	88,0	-	-	-	-	-	-	5	111128031104
100	350	128,0	-	-	-	-	-	-	3	111129031104

FLY - 2 way electrical control valves

Stainless steel 316 internal devices - Screwed seat - Reinforced PTFE check valve; tightness: class VI - Reinforced PTFE gland pack with automatic compensation - Max. temperature: 180°C - Electric actuator PS type (IP65) - On/Off use or 3 points control - Control use: 4-20 mA / 0-10V DC; card to be ordered additionally - Manual safe operating device - Power supply: 230V 50Hz (other voltage on request).

To be ordered with the valve:	code
Potentiometer of recopy - DN15 to 25	0304300002A
Potentiometer of recopy - DN32 to 100	0304300003A
4-20 mA card / 0-10V DC for 230V 50Hz	0304300001A



Cast iron body - Flanged PN16

Cast iron GS body - Max. pressure: 16 bar at 120°C / 13 bar at 200°C - Limited up to 180°C with standard gland packing.

DN	Face to face (mm)	Kvs	Δp	code	Δp	code	Δp	code	Δp	code	Δp	code
15	150	3,8	16	111101034101	-	-	-	-	-	-	-	-
20	150	5,1	16	111102034101	-	-	-	-	-	-	-	-
25	160	8,5	13	111103034101	-	-	-	-	-	-	-	-
32	180	13,7	7	111104034101	14	111104034102	-	-	-	-	-	-
40	200	22,2	5	111105034101	10	111105034102	-	-	-	-	-	-
50	230	36,7	-	-	6	111106034102	13	111106034103	-	-	-	-
65	290	62,4	-	-	-	-	9	111107034103	15	111107034104	-	-
80	310	88,0	-	-	-	-	6	111108034103	10	111108034104	13	111108034105
100	350	128,0	-	-	-	-	-	-	7	111109034104	8	111109034105

Carbon steel body - Flanged PN40

A216WCB body - Max. pressure: 40 bar at 120°C / 10 bar at 400°C - Limited up to 180°C with standard gland packing.

DN	Face to face (mm)	Kvs	Δp	code	Δp	code	Δp	code	Δp	code	Δp	code
15	150	3,8	30	111121034101	-	-	-	-	-	-	-	-
20	150	5,1	20	111122034101	40	111122034102	-	-	-	-	-	-
25	160	8,5	13	111123034101	26	111123034102	40	111123034103	-	-	-	-
32	180	13,7	7	111124034101	14	111124034102	40	111124034103	40	111124034104	-	-
40	200	22,2	5	111125034101	10	111125034102	30	111125034103	40	111125034104	-	-
50	230	36,7	-	-	6	111126034102	20	111126034103	23	111126034104	23	111126034105
65	290	62,4	-	-	4	111127034102	13	111127034103	15	111127034104	15	111127034105
80	310	88,0	-	-	-	-	9	111128034103	10	111128034104	10	111128034105
100	350	128,0	-	-	-	-	-	-	7	111129034104	7	111129034105

2 way & 3 way control valves
CONTROLLI
on request





Industry

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Safety valves

Flanged



6301 - Cast iron - Flanged PN16

97/23/EC directive N° 0045 - Risk category IV / Module B + D - Full lift - GG25 body PN16 - Closed bonnet - Watertight cap - Testing lever - Stainless steel trim - Hardened seat & superfinished disc - Flange connections: inlet PN16 / outlet PN10/16 - Temperature range: -10°C/+200°C - TÜV SV 96.894 approval - Bureau Veritas marine & offshore approval - Min. setting pressure: 0,5 bar.



Inlet DN	Outlet DN	Max. setting pressure (bar)	code
20	32	16	250120
25	40	16	250125
32	50	16	250132
40	65	16	250140
50	80	16	250150
65	100	16	250165
80	125	16	250180
100	150	16	250190
125	200	12,5	250191
150	250	10	250192

Mandatory certificate 14 €/pc included in price.
Carbon steel & stainless steel on request.
* 4 hole flanges.



3.1

10 €/DN

6301 S - Ductile iron safety valve - Flanged PN40



Full lift - GGG40 body PN40 - Closed bonnet - Watertight cap - Testing lever - Stainless steel trim - Hardened seat & superfinished disc - Flange connections: inlet PN40 / outlet PN10/16 - Temperature range: -10°C/+350°C - UDT 1413 certification - Bureau Veritas marine & offshore approval - Min. setting pressure: 0,5 bar.



Inlet DN	Outlet DN	Max. setting pressure (bar)	code
20	32	40	250220
25	40	40	250225
32	50	40	250232
40	65	32	250240
50	80	32	250250
65	100	32	250265
80	125	25	250280
100	150	20	250290

Mandatory certificate 14 €/pc included in price.

Threaded



3.1

10 €/DN

2800 - Brass - Free outlet (BSP)

97/23/EC directive N° 0035 - CW614N body - FKM gasket - Temperature range: -10°C/+160°C - Testing device - Min. setting pressure: 0,3 bar - Standard settings 0,5 to 12 bar (every 0,5 bar): on stock.

Compressed air



Inlet DN	Ref.	Max. setting pressure (bar)	code
1/4"	D7	60	28000
3/8"	D10	60	28001
1/2"	D10	60	28002
3/4"	D14	30	28003
1"	F18	21	28004
1 1/4"	F25	30	28005
1 1/2"	F32	14	28006
2"	F40	30	28007

Mandatory certificate 5 €/pc included in price.

2871 - Brass - Pipe outlet (BSP)

97/23/EC directive N° 0035 - CW614N body - FKM gasket - Temperature range: -20°C/+160°C - Testing device - Min. setting pressure: 0,3 bar - Standard settings 0,5 to 12 bar (every 0,5 bar): on stock - Gas application on request.

Liquids



Inlet DN	Outlet DN	Ref.	Max. setting pressure (bar)	code
1/4"	1/2"	D7/C	60	28710
3/8"	3/4"	D10/C	60	28711
1/2"	3/4"	D10/C	60	28712
3/4"	1"	G14	60	28713
1"	1"	G14	60	28714
1 1/4"	1 1/4"	G20	60	28715
1 1/2"	1 1/2"	G25	40	28716
2"	1 1/2"	G32	14	28717

Mandatory certificate 5 €/pc included in price.

2851 / 2858 - Brass - Pipe outlet & lever (BSP)

97/23/EC directive N° 0035 - CW614N body - Testing lever - Min. setting pressure: 0,3 bar - Standard settings 0,5 to 15 bar (every 0,5 bar): on stock.

Steam



Inlet DN	Outlet DN	Ref.	Max. setting pressure (bar)	up to 6 bar		up to 15 bar	
				code	code	code	code
1/2"	1"	G10/L	30	28512		28582	
3/4"	1"	G14/L	60	28513		28583	
1"	1 1/4"	G20/L	60	28514		28584	
1 1/4"	1 1/4"	G25/L	60	28515		28585	
1 1/2"	1 1/2"	G40/L	60	28516		28586	
2"	2"	G40/L	14	28517		28587	

Mandatory certificate 5 €/pc included in price.

FKM + PTFE seat 165°C saturated steam KALREZ seat 200°C saturated steam

2885 - Stainless steel Pipe outlet (BSP)

97/23/EC directive N° 0035 - SS316 body - PTFE gasket - Temperature range: -100°C/+200°C - Testing device - Min. setting pressure: 0,3 bar - Standard settings 0,5 to 12 bar (every 0,5 bar): on stock - Gas application on request.

Process



Inlet DN	Outlet DN	Ref.	Max. setting pressure (bar)	code
3/8"	3/4"	D10/C	60	28851
1/2"	3/4"	D10/C	60	28852
3/4"	1"	G14	60	28853
1"	1"	G14	60	28854
1 1/4"	1 1/4"	G20	60	28855
1 1/2"	1 1/2"	G25	60	28856
2"	2"	G32	14	28857

Mandatory certificate 5 €/pc included in price.

: not on stock, on request.

Overflow valves



Products excluded from EC directive risk category IV -
Pre-set pressure: 10 €/pc.



619 E - Bronze - NBR seat (BSP)

CC491K body - Max. pressure: 20 bar - Temperature range:
-10°C/+130°C - Proportional opening -
Opening start adjustable pressure - Tight bonnet (except during
initial setting).



Inlet DN	0,2 - 0,8 bar	0,5 - 2,5 bar	2 - 12 bar
	code	code	code
3/8"	289611	289621	289631
1/2"	289612	289622	289632
3/4"	289613	289623	289633
1"	289614	289624	289634
1" 1/4	289615	289625	289635
1" 1/2	289616	289626	289636
2"	289617	289627	289637



618 T - Bronze - PTFE seat (BSP)

CC491K body - Max. pressure: 20 bar -
Temperature range: -40°C/+180°C - Proportional opening -
Opening start adjustable pressure - Tight bonnet
(except during initial setting).

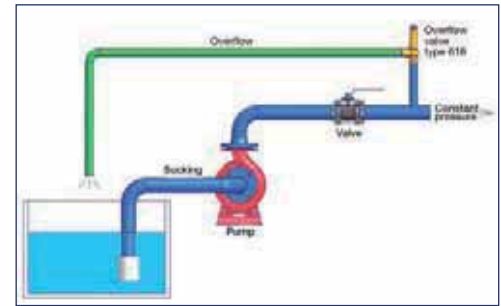
Inlet DN	0,5 - 2,5 bar	2 - 12 bar	12 - 20 bar
	code	code	code
3/8"	289521	289531	289541
1/2"	289522	289532	289542
3/4"	289523	289533	289543
1"	289524	289534	289544
1" 1/4	289525	289535	289545
1" 1/2	289526	289536	289546
2"	289527	289537	289547

418 F - Stainless steel (BSP)

CF8M body - FKM seat - Max. pressure: 30 bar -
Temperature range: -10°C/+200°C -
Opening start adjustable pressure - Tight bonnet.



DN	1,2 - 3 bar	2 - 12 bar
	code	code
3/8"	289821	289831
1/2"	289822	289832
3/4"	289823	289833
1"	289824	289834
1" 1/4	289825	289835



2480 / 2490 - BPV - Stainless steel

CF8M body - FKM seat - Max. pressure: 16 bar - Temperature range:
-15°C/+100°C - BSP threaded or flanged PN16 - Supplied with a stainless steel manometer
indicating the upstream pressure - Horizontal mounting only.



Threaded (BSP)

Upstream pressure range



DN	Face to face (mm)	Weight (kg)	Upstream pressure range	
			1 - 5 bar code	4 - 10 bar code
1/2"	70	0,80	248001	248002
3/4"	85	1,00	248011	248012
1"	92	1,05	248021	248022
1" 1/2	115	2,30	248031	248032
2"	120	2,50	248041	248042



Flanged PN16

Upstream pressure range

DN	Face to face (mm)	Weight (kg)	Upstream pressure range	
			1 - 5 bar code	
15	150	2	249001	
20	150	3	249011	
25	150	5	249021	
40	190	8	249031	
50	190	12	249041	
* 65	210	16	249051	
80	225	18	249061	
100	250	25	249071	

* 4 hole flanges.

2470 BFS - Coaxial cast iron

Cast iron body, epoxy coated - Brass & bronze inner parts - NBR tightness - Max. pressure: 16 bar - Temperature range:
-10°C/+80°C - Upstream pressure adjustable with screw - Supplied with manometer - Flanged RF PN16 raised faces -
For clear water - Horizontal mounting preferred - **Prohibited use for gas of group 1.**



Upstream pressure range

DN	Kv (m³/h)	Face to face (mm)	Weight (kg)	Upstream pressure range	
				0,2 - 4 bar code	3 - 10 bar code
50	64	190	12	2470050	2471050
* 65	89	210	14	2470065	2471065
80	119	225	19	2470080	2471080
100	222	250	26	2470100	2471100
125	333	280	37	2470125	2471125
150	470	310	50	2470150	2471150
200	854	420	94	2470200	2471200
250	1367	470	152	2470250	2471250
300	1880	530	202	2470300	2471300

: not on stock, on request.

* 4 hole flanges.



Pressure reducing valves



■ Bronze

681 / 682

CC491K body - NBR tightness - Stainless steel strainer - Max. pressure: 25 bar for threaded, 16 bar for flanged - Max. temperature: 95°C - Stainless steel seat up to 1"1/4, bronze seat above - Downstream setting range: 1 to 7 bar - Supplied with manometer - Concerned by EC directive, article 3 § 3 - Not for gas of group 1.



Threaded (BSP)

DN	Face to face (mm)	Face to face with fittings (mm)	Weight (kg)	code
1/2"	75	135	0,80	R68115
3/4"	92	160	1,30	R68120
1"	98	178	1,70	R68126
1"1/4	98	186	1,90	R68133
1"1/2	128	226	3,60	R68140
2"	148	260	6,70	R68150



Flanged PN16

DN	Face to face (mm)	Weight (kg)	Max. flow (m³/h)	code
20	150	4,2	10	246823
25	160	4,7	16	246824
32	180	5,1	18	246825
40	200	8,6	20	246826
50	230	10,5	27	246827
65	290	20	60	246828
80	310	22	68	246829

* 4 hole flanges.

■ Cast iron

2420 BFR - Coaxial

Cast iron body, epoxy coated - Brass & bronze inner parts - NBR tightness - Flanged RF PN16 raised faces - Max. pressure: 16 bar - Temperature range: -10°C/+80°C - Downstream pressure adjustable with screw - Supplied with manometer.



Downstream pressure range

DN	Kv (m³/h)	Face to face (mm)	Weight (kg)	Downstream pressure range	
				1 - 7 bar code	4 - 12 bar code
50	64	190	12	2420050SE	2421050SE
65	89	210	14	2420065SE	2421065SE
80	119	225	19	2420080SE	2421080SE
100	222	250	26	2420100SE	2421100SE
125	333	280	37	2420125	2421125
150	470	310	50	2420150	2421150
200	854	420	94	2420200	2421200
250	1367	470	152	2420250	2421250
300	1880	530	202	2420300	2421300

█ : not on stock, on request.

* 4 hole flanges.

■ Stainless steel

2430 - LPRV - Low pressure

CF8M body - FKM seat - Max. pressure: 10 bar - Temperature range: -15°C/+80°C - Supplied with a stainless steel manometer indicating the downstream pressure.



Threaded (BSP) Downstream pressure range

DN	Face to face (mm)	Weight (kg)	Downstream pressure range	
			0,2 - 1,5 bar code	
1/2"	70	0,80	243001	
3/4"	85	1,00	243011	
1"	90	1,05	243021	
1"1/2	115	2,30	243031	
2"	120	2,50	243041	



Flanged PN16 Downstream pressure range

DN	Face to face (mm)	Weight (kg)	Downstream pressure range	
			0,2 - 1,5 bar code	
15	150	2,5	243301	
20	150	3,5	243311	
25	150	5,6	243321	
40	190	8,7	243331	
50	190	13,5	243341	

2440 - PRV

CF8M body - FKM seat - Max. pressure: 16 bar - Temperature range: -15°C/+100°C - Supplied with a stainless steel manometer indicating the downstream pressure.



Threaded (BSP) Downstream pressure range

DN	Face to face (mm)	Weight (kg)	Downstream pressure range		
			1 - 6 bar code	4 - 10 bar code	8 - 13 bar code
1/2"	70	0,80	244001	244002	244003
3/4"	85	1,00	244011	244012	244013
1"	92	1,05	244021	244022	244023
1"1/2	115	2,30	244031	244032	244033
2"	120	2,50	244041	244042	244043



Flanged PN16 Downstream pressure range

DN	Face to face (mm)	Weight (kg)	Downstream pressure range	
			1 - 6 bar code	4 - 10 bar code
15	150	2	245001	-
20	150	3	245011	-
25	150	5	245021	-
40	190	8	245031	-
50	190	12	245041	245042
65	210	16	245051	245052
80	225	18	245061	245062
100	250	25	245071	245072

PRU - High pressure (NPT)

For gas and liquids - SS316 body - VESPEL gasket - Max. upstream pressure: 3500 psi / 240 bar - Temperature range: -40°C/+175°C - Flow coef. Kv = 0,051 for 1/4" & Kv = 0,85 for 1/2" - Supplied with upstream and downstream manometers.



DN	Downstream pressure	code
1/4"	1 - 50 psi 0,07 - 3,4 bar	2420001
1/4"	3 - 250 psi 0,2 - 17 bar	2420002
1/4"	5 - 500 psi 0,35 - 34 bar	2420003



DN	Downstream pressure	code
1/2"	3 - 250 psi 0,2 - 17 bar	2420012
1/2"	5 - 500 psi 0,35 - 34 bar	2420013

Gas equipment



M14/RM / M16/RM - Gas - Solenoid valve with manual resetting

Gas flow shut-off in case of lack of current - Used with natural gas & lpg - Manual reset - Normally closed (opening with electric supply) - Aluminium body (except brass body for 1/2" to 1" for working pressure 6 bar) - Temperature range: -20°C/+60°C - Built-in filter cartridge 50 µm for DN65 to 300 - IP 65 coil - Horizontal mounting solenoid coil on the top - Closing time < 1 s - Built-in short anti-disconnection device - BSP threaded and flanged PN16 - ATEX cat. II 3G, II 3D for zones 2 & 22.



Working pressure 500 mbar

Working pressure 6 bar

DN	Face to face (mm)	230V AC		24V AC		230V AC		24V AC	
		Power VA	code	Power VA	code	Power VA	code	Power VA	code
1/2"	70	9	092802M	8	092812M	9	092102M	8	092122M
3/4"	70	9	092803M	8	092813M	9	092103M	8	092123M
1"	90	9	092804M	8	092814M	9	092104M	8	092124M
1 1/4"	160	9	092805M	8	092815M	9	092105M	8	092125M
1 1/2"	160	9	092806M	8	092816M	9	092106M	8	092126M
2"	160	9	092807M	8	092817M	9	092107M	8	092127M
* 65	290	18	092903M	20	092913M	18	092109M	20	092129M
80	310	18	092904M	20	092914M	18	092110M	20	092130M
100	350	18	092905M	20	092915M	18	092111M	20	092131M
125	480	18	092906M	20	092916M	18	092112M	20	092132M
150	480	18	092907M	20	092917M	18	092113M	20	092133M
200	600	18	092908M	20	092918M	18	092114M	30	092134M
300	737	18	092909M	20	092919M	-	-	-	-

: not on stock, on request.

* 4 hole flanges.

M14/RM / M16/RM - Biogas - Solenoid valve with manual resetting

Gas flow shut-off in case of lack of current - Used with biogas - Manual reset - Normally closed (opening with electric supply) - Aluminium body - Temperature range: -20°C/+60°C - Built-in filter cartridge 50 µm for DN65 to 300 - IP 65 coil - Horizontal mounting solenoid coil on the top - Closing time < 1 s - Built-in short anti-disconnection device - BSP threaded and flanged PN16 - ATEX cat. II 3G, II 3D for zones 2 & 22.



NEW



Working pressure 500 mbar

DN	Face to face (mm)	230V AC		24V AC	
		Power VA	code	Power VA	code
1/2"	66	9	092802BIO	8	092812BIO
3/4"	66	9	092803BIO	8	092813BIO
1"	82	9	092804BIO	8	092814BIO
1 1/4"	120	9	092805BIO	8	092815BIO
1 1/2"	160	9	092806BIO	8	092816BIO
2"	160	9	092807BIO	8	092817BIO
* 65	290	18	092903BIO	20	092913BIO
80	310	18	092904BIO	20	092914BIO
100	350	18	092905BIO	20	092915BIO
125	480	18	092906BIO	20	092916BIO
150	480	18	092907BIO	20	092917BIO
200	600	18	092908BIO	20	092918BIO
300	737	18	092909BIO	20	092919BIO

: not on stock, on request.

* 4 hole flanges.

Micro cut-off anti-disconnection device

Used for 230V AC solenoid coil up to 50W - Only for our range - Protection 1 to 3 s depending on power.



code
045006

EVP - Automatic solenoid valve 360 mbar

Used with natural gas & lpg - Normally closed (opening with electric supply) - Aluminium body -
 Max. pressure: 360 mbar - Temperature range: -20°C/+60°C -
 Built-in filter cartridge 50 µm for DN65 to 100 - Closing time < 1 s - IP65 coil -
 BSP threaded and flanged PN16 - ATEX cat. II 3G, II 3D for zones 2 & 22.



DN	Face to face (mm)	230V AC		24V AC	
		Power VA	code	Power VA	code
1/2"	70	22	092402M	24	092412M
3/4"	70	22	092403M	24	092413M
1"	90	18	092404M	20	092414M
1 1/4"	160	46	092405M	47	092415M
1 1/2"	160	46	092406M	47	092416M
2"	160	46	092407M	47	092417M
* 65	290	95	092303M	88	092313M
80	310	95	092304M	98	092314M
100	350	115	092305M	107	092315M

* 4 hole flanges.

EV-6 - Automatic solenoid valve 6 bar

According to EC 97/23 & EC 2009/142 - Normally closed - Aluminium body - 230V AC - For methane, natural gas, lpg -
 Max. pressure: 6 bar - Temperature range: -15°C/+60°C - Closing time < 1 s - IP65 coil - ATEX cat. II 3 G/D for zones 2 & 22 -
 BSP threaded & flanged PN16.



DN	Face to face (mm)	Power VA	code
1/2"	70	30	092502M
3/4"	70	30	092503M
1"	70	30	092504M
1 1/4"	160	55	092505M
1 1/2"	160	55	092506M
2"	160	55	092507M
65	290	105	092508M
80	310	105	092509M
100	350	124	092510M

FRG 2MC - Pressure reducing valve with built-in filter - 1 bar

EC 90/396 according to EN 88-2 - Reduces the network gas pressure to the burner one -
 Aluminium body - Upstream built-in filter 50 µm - Max. upstream pressure: 1 bar -
 Temperature range: -15°C/+60°C - Built-in pressure connections - BSP threaded -
 ATEX cat. II 2G, II 2D for zones 1, 2, 21 & 22.



DN	Face to face (mm)	Max. flow (Nm³/h)	Downstream pressure setting range (mbar)									
			range	code	range	code	range	code	range	code		
1/2"	120	19	9-28	094004M	18-40	094014M	40-110	094024M	110-150	094034M	150-200	094044M
3/4"	120	34	9-28	094005M	18-40	094015M	40-110	094025M	110-150	094035M	150-200	094045M
1"	120	53	9-28	094006M	18-40	094016M	40-110	094026M	110-150	094036M	150-200	094046M
1 1/4"	160	87	13-23	094007M	20-36	094017M	55-100	094027M	90-190	094037M	-	-
1 1/2"	160	136	13-23	094008M	20-36	094018M	55-100	094028M	90-190	094038M	-	-
2"	160	212	13-23	094009M	20-36	094019M	55-100	094029M	90-190	094039M	-	-

FRG 2MCS - Pressure reducing valve with built-in filter - 5 bar

EC 90/396 according to EN 88-2 - EC 97/23 - Reduced the network gas pressure to the burner one - Shut-off in case of upstream over-pressure or pressure drop - Air vent -
 Aluminium body - Upstream built-in filter 50 µm - Max. upstream pressure: 5 bar -
 Temperature range: -20°C/+60°C - Built-in pressure connections - BSP threaded -
 ATEX cat. II 2G/D for zones 1, 2, 21 & 22.



DN	Face to face (mm)	Max. flow (Nm³/h)	Downstream pressure setting range (mbar)	code
1/2"	120	90	20-30	094104M
3/4"	120	90	20-30	094105M
1"	120	90	20-30	094106M

FM - Gas & biogas filter

EC according to EN 126 - Impurities filtering - 50 µm filtering for 1/2" to DN100, 10 µm above - Aluminium body - Upstream pressure connection - BSP threaded and flanged PN16 - Max. pressure: 2 bar or 6 bar - Temperature range: -15°C/+70°C.



NEW



DN	Face to face (mm)	Gas		Biogas	
		Max. pressure 2 bar code	Max. pressure 6 bar code	Max. pressure 2 bar code	Max. pressure 6 bar code
1/2"	120	095004M	095104M	095004BIO	095104BIO
3/4"	120	095005M	095105M	095005BIO	095105BIO
1"	120	095006M	095106M	095006BIO	095106BIO
1 1/4"	160	095007M	095107M	095007BIO	095107BIO
1 1/2"	160	095008M	095108M	095008BIO	095108BIO
2"	160	095009M	095109M	095009BIO	095109BIO
* 65	290	095506M	095516M	095506BIO	095516BIO
80	310	095507M	095517M	095507BIO	095517BIO
100	350	095508M	095518M	095508BIO	095518BIO
125	480	095509M	095519M	095509BIO	095519BIO
150	480	095510M	095520M	095510BIO	095520BIO
200	600	095511M	095521M	095511BIO	095521BIO
300	737	095512M	095522M	095512BIO	095522BIO

: not on stock, on request.

* 4 hole flanges.

PGRF - Pressure switch

Aluminium body - Max. pressure: 690 mbar - Temperature range: 0°C/+85°C - Transparent plastic cover IP54 - Setting knob - Switch-off power 250V AC / 6A - 1/4" BSP threaded - Electric switch T30 (not supplied).



Type	Max. Δp (mbar)	code
5-150 mbar	≤ 5	436002
100-500 mbar	≤ 15	436003
Electric switch T30	-	980700

NEW



CP - Stop punch

Solenoid valve shutt-off - 3A-240V shutt-off - IP66.

code
098301

NEW



CMG - Flowmeter

Mass thermic flowmeter - Aluminium body - Max. pressure: 1000 mbar - 24V DC - Nm³/h flow display - Range 10: 1 - +/- 4% - 4-20mA - IP54 - Temperature range: -10°C/+60°C - RC threaded connections.

DN	Natural gas		Propane		Butane	
	Nm ³ /h	code	Nm ³ /h	code	Nm ³ /h	code
1/2"	0,5 - 4	093112	0,2 - 2	093122	0,1 - 1	093122
1"	3 - 30	093114	1 - 10	093124	0,8 - 8	093124
1 1/2"	8 - 80	093116	2,5 - 25	093126	2 - 20	093126
2"	15 - 150	093117	5 - 50	093127	4 - 40	093127

: not on stock, on request.



Brass ball valves & y-strainers,
see pages 197 & 201



Butterfly valves,
see pages 25 & 27



Manometers,
see pages 97 & 98



Actuated valves,
see pages 59 & 73

Steam equipment



Steam traps

■ Float

SK 51 - Ductile iron - PN16

GGG40.3 body - Stainless steel mechanism - Max. pressure: 16 bar - Max. temperature: 250°C - Built-in thermostatic air eliminator - Horizontal mounting on stock - Vertical mounting on request (16 € additional).

BSP threaded

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
1/2"	122	151040	151041	151042
3/4"	122	151050	151051	151052
1"	145	151060	151061	151062

Flanged PN16

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
15	150	150915	150916	150917
20	150	150920	150921	150922
25	160	150925	150926	150927

SK 55 - Ductile iron - PN16 - With tempered sight glass

GGG40.3 body - Stainless steel mechanism - Max. pressure: 16 bar - Max. temperature: 250°C - Built-in thermostatic air eliminator - Borosilicate sight glass - Horizontal mounting on stock - Vertical mounting on request (16 € additional).

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
32	230	151840	151841	151842
40	230	151850	151851	151852
50	230	151860	151861	151862

SK 70 - Carbon steel - PN25

A216WCB body - Stainless steel mechanism - Max. pressure: 25 bar - Max. temperature: 400°C - Built-in thermostatic air eliminator - Horizontal mounting on stock - Vertical mounting on request (16 € additional).

Threaded (BSP)

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
1/2"	122	151460SE	151461	151462
3/4"	122	151465	151466	151467
1"	145	151470SE	151471	151472

Flanged PN25

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
15	150	151480SE	151481	151482
20	150	151485SE	151486	151487
25	160	151490SE	151491	151492

SK 61 - Stainless steel - PN25

CF8M body - Stainless steel mechanism - Max. pressure: 25 bar - Max. temperature: 250°C - Built-in air eliminator - Horizontal mounting in stock - Vertical mounting on request (16 € additional).

Threaded (BSP)

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
1/2"	122	151315	151316	151317
3/4"	122	151320	151321	151322
1"	145	151325	151326	151327

Flanged PN25

DN	Face to face (mm)	Δp 4,5	Δp 10	Δp 14
		code	code	code
15	150	151332	151333	151334
20	150	151340	151341	151342
25	160	151350	151351	151352

■ Thermostatic

TKK 2Y - Carbon steel - PN40

A105 body - Stainless steel mechanism - Built-in strainer - Thermostatic capsule in hastelloy and stainless steel - Max. pressure: 32 bar - Max. ΔP: 22 bar - Max. temperature: 250°C - Horizontal mounting.



Threaded

DN	Face to face (mm)	code
1/2"	95	151504
3/4"	95	151505
1"	95	151506



Flanged PN40

DN	Face to face (mm)	code
15	150	151615
20	150	151620
25	160	151625

TKK 21 - Carbon steel - PN25

A105 body - Stainless steel mechanism - Built-in strainer - Thermostatic capsule in hastelloy and stainless steel - Max. pressure: 21 bar - Max. temperature: 250°C - Horizontal mounting.

NEW



Threaded

DN	Face to face (mm)	code
1/2"	70	151904

NEW



TKK 42 - Stainless steel - PN40

304 body - Built-in strainer - Max. pressure: 32 bar - Max. ΔP: 22 bar - Max. temperature: 240°C.

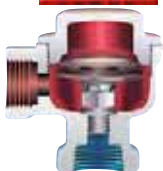
Threaded

DN	Face to face (mm)	code
1/4"	65	152202
3/8"	65	152203
1/2"	65	152204
3/4"	65	152205
1"	65	152206

TKK 11 - Brass - PN16

CW617N body - Stainless steel inner mechanism - Built-in strainer - Max. pressure: 7 bar - Max. temperature: 200°C.

NEW



Threaded

DN	code
1/2"	152504

NEW



TKK 61 - Brass - PN16

CW617N body - Stainless steel inner mechanism - Built-in strainer - Max. pressure: 7 bar - Max. temperature: 200°C.

Threaded

DN	Face to face (mm)	code
1/2"	76	152604

■ Bi-metallic

TK 1 - Carbon steel - PN40

A105 body - Stainless steel mechanism - Built-in strainer and check valve - Max. pressure: 32 bar - Max. ΔP: 22 bar - Max. temperature: 250°C - Possible adjustment of discharge capacity and condensate temperature - Installation: all positions.



Threaded

DN	Face to face (mm)	code
1/2"	95	153604
3/4"	95	153605
1"	95	153606



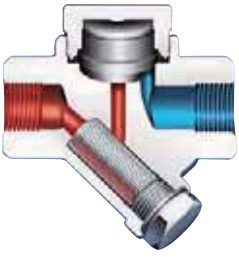
Flanged PN40

DN	Face to face (mm)	code
15	150	154015
20	150	154020
25	160	154025

■ Thermodynamic

TDK 45 - Carbon steel - PN40

A105 body - Stainless steel mechanism - Built-in y-strainer - Max. pressure: 32 bar - Max. temperature: 400°C - Downstream max. back pressure: 80% of the upstream pressure - Horizontal mounting.



Threaded (BSP)

DN	Face to face (mm)	code
1/2"	95	153004
3/4"	95	153005
1"	95	153006

Flanged PN40



DN	Face to face (mm)	code
15	150	153115
20	150	153120
25	160	153125

TDK 71 - Stainless steel - PN63

A743 body - Built-in y-strainer - Max. pressure: 42 bar - Max. temperature: 400°C - Downstream max. back pressure: 80% of the upstream pressure - Horizontal mounting.



Threaded (BSP)

DN	Face to face (mm)	code
1/2"	78	153304
3/4"	90	153305
1"	95	153306

Vacuum breakers

VK70 - Brass - PN16 (BSP)

Max. temperature: 260°C - Air intake 1/8".



DN	code
1/2"	981405

VK 71 - Stainless steel - PN40 (BSP)

Max. temperature: 300°C - Air intake 1/8".



DN	code
1/2"	981400

Air vents

Cast iron (BSP)

Max. pressure: 10 bar - Max. temperature: 120°C.



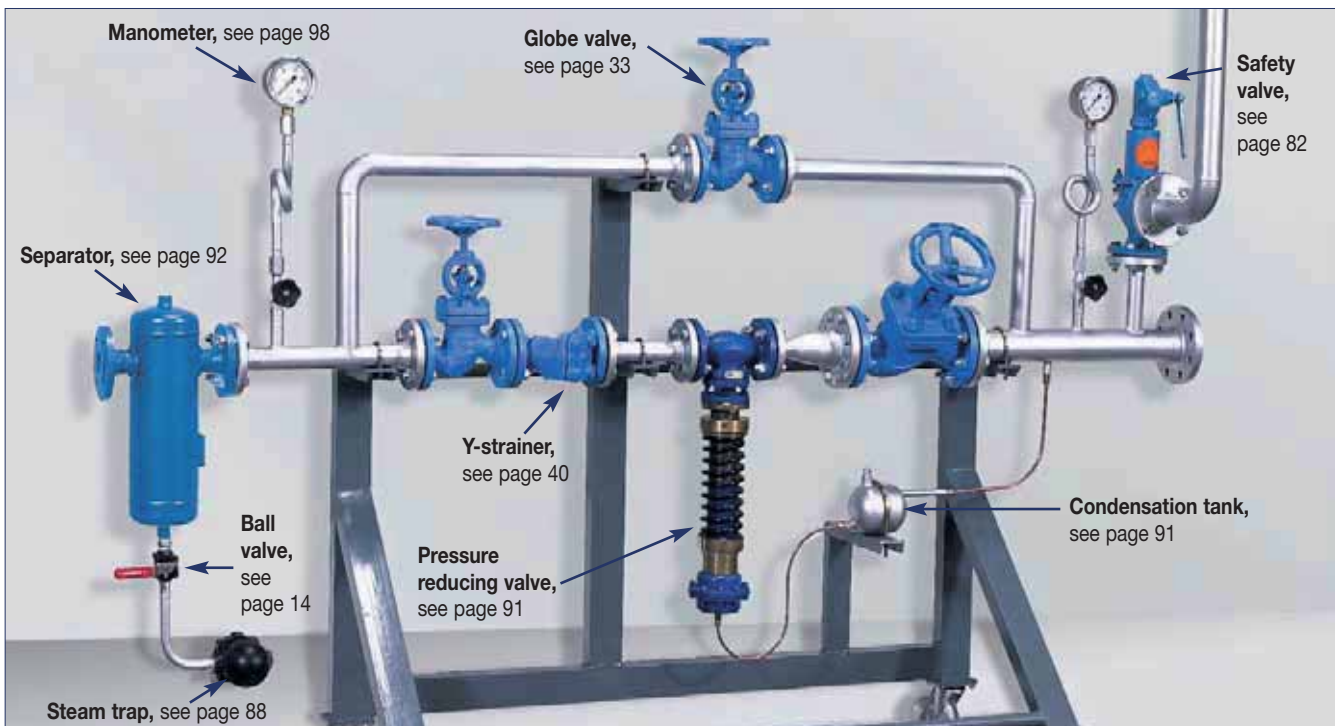
DN	code
3/4"	PF20

Stainless steel - PN25 (BSP)

Max. pressure: 12 bar - Max. temperature: 200°C - Vertical installation.



DN	code
3/4"	154810



Pressure reducing valves

BDV 25 - Ductile iron

For compressible fluids: air, gases, steam - GGG40.3 body PN25 - Stainless steel mechanism - Built-in strainer - Locking device - Max. upstream pressure: 17 bar - Max. temperature: 210°C - Max. flow ratio: 10/1 - Horizontal mounting.



Threaded Downstream pressure range

DN	Face to face (mm)	Downstream pressure range		
		0,14 - 1,7 bar	1,4 - 4 bar	3,5 - 8,6 bar
1/2"	85	158041A	158042A	158043A
3/4"	98	158051A	158052A	158053A
1"	110	158061A	158062A	158063A

PRV-S - Stainless steel

CF8M body - FKM/PTFE tightness - Max. pressure: 12 bar - Max. temperature: 192°C - Supplied with Ø 63 dry manometer indicating the downstream pressure.



Threaded Downstream pressure range

DN	Face to face (mm)	Weight (kg)	Downstream pressure range	
			1 - 6 bar	4 - 10 bar
1/2"	70	0,80	158101	158102
3/4"	85	1,00	158111	158112
1"	92	1,05	158121	158122



Flanged Downstream pressure range

DN	Face to face (mm)	Weight (kg)	Downstream pressure range	
			1 - 6 bar	4 - 10 bar
15	150	2	158301	158302
20	150	3	158311	158312
25	150	5	158321	158322

⚠ Sizing and actuating depending on actual working conditions (medium, temperature, pressure, flow). Please, consult for a proper offer.

DRP 16 - Ductile iron - Flanged PN16

Ductile iron body - Steam: max. temperature 200°C / max. upstream pressure 13 bar - ΔP max.: 10 bar - Stainless steel tightness below - Upstream y-strainer & condensation tank to be added.



Downstream pressure range

DN	Face to face (mm)	Kv	Downstream pressure range						
			0,2 - 1,5 bar		1 - 4 bar	1,2 - 6 bar		1 - 10 bar	8 - 13 bar
			D1		D4	Actuator D8		D10	D20
15	150	3	308615015		308615040		308615060	308615100	308615200
20	150	5,5	308620015		308620040		308620060	308620100	308620200
25	160	10	308625015		308625040		308625060	308625100	308625200
32	180	14	308632015		308632040		308632060	308632100	308632200
40	200	17,5	308640015		308640040		308640060	308640100	308640200
50	230	29	308650015		308650040		308650060	308650100	308650200
* 65	290	48	308665015		308665040		308665060	308665100	308665200
80	310	72	308680015		-		-	* 308680100	308680200
100	350	107	308691015		-		-	* 308691100	308691200

* 4 hole flanges.

* Pressure range: 2 - 10 bar.



DRP 40 - Carbon steel - Flanged PN40

Carbon steel body - Steam: max. temperature 215°C / max. pressure 20 bar - ΔP max.: 10 bar - Stainless steel tightness below - Upstream y-strainer & condensation tank to be added.

Downstream pressure range

DN	Face to face (mm)	Kv	Downstream pressure range						
			0,2 - 1,5 bar		1 - 4 bar	1,2 - 6 bar		1 - 10 bar	8 - 13 bar
			D1		D4	Actuator D8		D10	D20
15	150	3	308715015		308715040		308715060	308715100	308715200
20	150	5,5	308720015		308720040		308720060	308720100	308720200
25	160	10	308725015		308725040		308725060	308725100	308725200
32	180	14	308732015		308732040		308732060	308732100	308732200
40	200	17,5	308740015		308740040		308740060	308740100	308740200
50	230	29	308750015		308750040		308750060	308750100	308750200
65	290	48	308765015		308765040		308765060	308765100	308765200
80	310	72	308780015		-		-	* 308780100	308780200
100	350	107	308791015		-		-	* 308791100	308791200

* Pressure range: 2 - 10 bar.

Condensation tank



Actuator	code
D6 - D8 - D10 - D20	30980101
D1 - D4	30980102

Separators



SPR 40 - Carbon steel - PN40

Carbon steel body (AD Merkblatt 2000) - Flanged PN40 - For steam and compressed air - EC 97/23 - Max. 32 bar / max. 250°C for steam; max. 40 bar / max. 20°C for compressed air.

DN	Face to face (mm)	EC category	Volume (l)	Ø event	Ø drainer	code
15	180	I	1,5	1/2"	1/2"	1560A015
20	230	I	2,9	1"	1/2"	1560A020
25	230	I	3,1	1"	1/2"	1560A025
32	250	II	5,2	1"	1/2"	1560A032
40	300	II	8,9	1"	1/2"	1560A040
50	310	II	9,7	1"	1/2"	1560A050
65	400	II	19,4	1"1/2	3/4"	1560A065
80	450	III	34,3	1"1/2	3/4"	1560A080
100	500	III	57,8	2"	1"	1560A100



SPR 25 - Stainless steel - PN25

304 body - For steam and compressed air - EC 97/23 - Max. pressure: 25 bar - Max. temperature: 228°C - BSP threaded.

DN	Face to face (mm)	EC category	Ø event	Ø drainer	code
1/2"	120	A3 § 3	1/2"	1/2"	1560002
3/4"	150	I	1/2"	1/2"	1560003
1"	160	I	1/2"	1/2"	1560004

Instrumentation



Sight glasses

VISOR - PVC - Female union to be glued

PVC-U body & union - Transparent PVC pipe - Max. pressure: 10 bar - Temperature range: 0°C/+60°C - Horizontal or vertical mounting.

NEW



d (mm)	DN	code
20	15	6200CC015
25	20	6200CC020
32	25	6200CC025
40	32	6200CC032
50	40	6200CC040
63	50	6200CC050
75	65	6200CC065
90	80	6200CC080
110	100	6200CC100

VISOR - PVC - Flanged PN10

PVC-U body & union - Transparent PVC pipe - Max. pressure: 10 bar - Temperature range: 0°C/+60°C - Horizontal or vertical mounting.

NEW

DN	code
65	6200CB065
80	6200CB080
100	6200CB100
125	6200CB125
150	6200CB150

█ : not on stock, on request.



2210 - C 156 - Brass with fins (BSP)

CB754S body - Unidirectional use - Polycarbonate dome - Plastic fins - Max. pressure: 6 bar - Temperature range: +10°C/+70°C - For polycarbonate compatible clear fluids.



DN	Face to face (mm)	code
1/2"	80	221004



2215 - C 161 - Brass - Double glass with ball (BSP)

CB754S body: 1/2" to 1" - Bronze CC491K body: 1"1/4 to 2" - Moplen ball - Double tempered glass - Max. pressure: 16 bar - Temperature range: +5°C/+80°C.



DN	Face to face (mm)	code
1/2"	95	221504
3/4"	100	221505
1"	107	221506
1"1/4	126	221507
1"1/2	137	221508
2"	170	221509



2211 - C 158 - Brass - With ball (BSP)

CB754S body - Moplen ball - Tempered glass - Max. pressure: 16 bar - Temperature range: +5°C/+80°C - One-way horizontal use only.



DN	Face to face (mm)	code
1/2"	97	221104
3/4"	100	221105
1"	103	221106



2220 - SKT 6 - Cast iron - With flapper

GG20 body - 304 flapper - Double tempered glass -
Max. pressure: 16 bar - Temperature range:
-10°C/+180°C.



DN	Face to face (mm)	code
1/2"	75	222004A
3/4"	90	222005A
1"	90	222006A
1 1/4"	120	222007A
1 1/2"	120	222008A
2"	140	222009A



2225 - C 164 - Cast iron - With steady baffles

GG25 body - Double tempered glass -
Max. pressure: 16 bar - Temperature range:
+5°C/+180°C - Flanged PN16.



DN	Face to face (mm)	code
15	130	2225015
20	150	2225020
25	160	2225025
32	180	2225032
40	200	2225040
50	230	2225050
65	290	2225065
80	310	2225080
100	350	2225091

* 4 hole flanges.



2240 - SKT 9 - Stainless steel -

With flapper

CF8M body & flapper - One-way use only -
Double tempered glass - Max. pressure: 16 bar -
Temperature range: -20°C/+180°C.



DN	Face to face (mm)	code
1/2"	105	224004A
3/4"	105	224005A
1"	110	224006A
1 1/4"	125	224007A
1 1/2"	135	224008A
2"	170	224009A



2238 - SKT 9 NPT - Stainless steel -

With flapper

CF8M body & flapper - One-way use only -
Double tempered glass - Max. pressure: 16 bar -
Temperature range: -20°C/+180°C.



DN	Face to face (mm)	code
1/2"	105	223804
3/4"	105	223805
1"	110	223806
1 1/2"	125	223808
2"	170	223809



2245 - SKB 2 - Stainless steel -

With flapper - Flanged PN16

CF8M body & flapper -
One-way use only - Double tempered glass -
Max. pressure: 16 bar -
Temperature range: -20°C/+180°C.



DN	Face to face (mm)	code
15	130	2245015A
20	150	2245020A
25	160	2245025A
32	180	2245032A
40	200	2245040A
50	230	2245050A
65	290	2245065A
80	310	2245080A
100	350	2245100A
125	400	2245101A
150	480	2245102A

* 4 hole flanges.



2246 - SKB 2 ANSI - Stainless steel -

With flapper - ANSI 150

CF8M body & flapper -
One-way use only - Double tempered glass -
Max. pressure: 16 bar -
Temperature range: -20°C/+180°C.



DN	Face to face (mm)	code
15	130	2246015
20	130	2246020
25	170	2246025
40	200	2246040
50	320	2246050
80	270	2246080
100	320	2246100
150	420	2246102



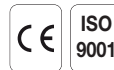
2243 - FW-12 - Stainless steel -

With rotor

CF8M body - Double tempered glass - White ABS rotor -
Max. pressure: 10 bar - Temperature range: -10°C/+90°C -
EC A3 § 3: not suitable for gas of group 1.



DN	Face to face (mm)	code
1/2"	100	224304
3/4"	100	224305
1"	109	224306
1 1/4"	109	224307
1 1/2"	150	224308
2"	150	224309



2230 - USV - Carbon steel -

Borosilicate glass

A105 body with internal baffle - Double glass in
borosilicate - Max. pressure: 40 bar up to 3/4",
20 bar above - Max. temperature: 300°C.



DN	Face to face (mm)	code
1/2"	90	223004
3/4"	90	223005
1"	100	223006

NEW



2255 - BW-SKI - Stainless steel welding

316L body - Glass pipe - Max. pressure: 10 bar -
Max. temperature: 140°C - For food industry - EC A3 § 3: not suitable for gas of group 1.



DN	Face to face (mm)	code
25	150	2255025
38	158	2255038
51	162	2255051
63	162	2255063

Level switches



RL 2100 - Float

Brass body - Stainless steel float Ø 70 mm - Max. pressure: 6 bar - Max. temperature: 125°C - 2 adjustable reversing switches - Breaking capacity: 250V - 1,5A - Wire outlet Ø 10 mm.

DN	code
1"	101805

LR 201 - Stainless steel

316 body & float - Min. liquid density: 0,6 - Max. pressure: 10 bar - Temperature range: -10°C/+120°C - IP65 aluminium junction box - 1/2" BSP gland pack - Contact SPDT 230V AC/DC max. 1 A.

DN	code
1/2"	290022
3/4"	290023

LT 201 - Full stainless steel - 1"1/2

316 body & parts - Min. liquid density: 0,7 - Max. pressure: 30 bar - Temperature range: -20°C/+150°C - IP65 aluminium junction box - 1/2" NPT gland pack - Contact SPDT 230V AC 3 A - 30V DC 3 A - Ø 40 mm float.

DN	code
1"1/2	290106N



C4 - Stainless steel magnetic float

316 body & float - Max. pressure: 6 bar - Max. temperature: 150°C - 1 adjustable reversing switch - Breaking capacity: 250V - 1,5A.

code
101810

LR 204 - Full stainless steel - Flanged

Same as LT201, except: flanged PN10/16.


DN	code
40	291040N
50	291050N
80	291080N
100	291100N



Level gauges



L 135 - Brass set

Max. pressure: 6 bar - Max. temperature: 80°C - Silicone gasket -  **Does not include pipe.**

DN	code
1/4" x 10	2311210
3/8" x 13	2311313
1.2" x 13	2311413
1/2" x 16	2311416
3/4" x 18	2311518
3/4" x 20	2311520



T 154 - Plexiglass pipe

1000 mm length - Max. temperature: 80°C.

Pipe Ø	code
10	23181010
13	23181310
16	23181610
18	23181810
20	23182010




2319 - Brass U protection pipe

1000 mm length.

Pipe Ø	code
10	23191010
13	23191310
16	23191610
18	23191810
20	23192010



2312 - Stainless steel set

316 body - Needle valve & drainer cap - Max. pressure: 16 bar - Temperature range: -50°C/+200°C - FKM & PTFE gaskets - BSP threaded & sleek pipe -  **Does not include pipe.**

DN	Pipe Ø	code
3/8"	14	23125314N
1/2"	14	23125414N
1/2"	16	23125416N
1"	20	23125620N



2314 - Glass pipe

Pyrex® glass - Max. pressure: 10 bar - Max. temperature: 80°C - 1500 mm length.

Pipe Ø	Thickness (mm)	code
10	1,5	23141015
13	2,2	23141315
14	2,2	23141415
16	2,5	23141615
18	2,5	23141815
20	2,5	23142015

+ 11 € to be added for glass pipe cutting.
+ 15 €/pc to be added for special packaging.



MG 33 - Stainless steel magnetic

Stainless steel body & float - Scale in aluminium - Plexiglas glass - Stainless steel flanges DN20 connection PN16 - Stainless steel bottom flanges DN50, FKM gasket, 1/2" drain cap - Min. fluid density: 0,8 - Max. pressure: 16 bar - Max. temperature: 180°C.

DN	L (mm)	code
20	800	23201080
20	1000	23201100
20	1200	23201120

Bistable DPDT REED switch

To be mounted on lateral rail gauge - Rating 1A @ 250V - Temperature range: -10°C/+180°C.

code
2328001



Float

code
981200

NEW

MG 33P - PVC-U

PVC-U body & float - Aluminium rolls reading ruler - Plexiglas glass - Max. pressure: 6 bar - Temperature range: +0°C/+60°C - Vertical mounting - Drainer cap - Flanges DN20 PN6.

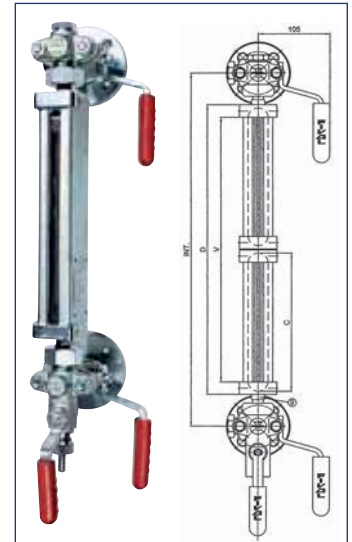
DN	L (mm)	code
20	800	6200Y0800
20	900	6200Y0900
20	1000	6200Y1000
20	1200	6200Y1200
20	1400	6200Y1400



2315 - NX - Carbon steel valves

A105 body - Flanged PN40 - Set of upper/lower valves & drainage valve - Plug valve - Graphite tightness - Max. pressure: 40 bar - For level gauge box with Ø 16 pipes.

DN	code
15	2315SUPINFBR15
20	2315SUPINFBR20
25	2315SUPINFBR25



2320 - RBF - Reflex carbon steel

Carbon steel body - Borosilicate reflex glass B DIN 7081 - Width: 34 mm - Wired graphite glass gasket & support gasket - Max. pressure: 40 bar - Max. temperature: 280°C - Connection to valves with Ø 16 pipes - Length: 60 mm.

Size	Int. min. (mm)	C (mm)	D (mm)	V (mm)	code
3	285	165	178	141	2320REFLB1T3
4	310	190	203	166	2320REFLB1T4
5	340	220	233	196	2320REFLB1T5
6	370	250	263	226	2320REFLB1T6
7	400	280	293	256	2320REFLB1T7
8	440	320	333	296	2320REFLB1T8
9	460	340	333	313	2320REFLB1T9



2330 - TMF - Transparent carbon steel

Carbon steel body - Borosilicate transparent glass A DIN 7081 - Width: 30 mm - Wired graphite glass gasket & support gasket - Max. pressure: 64 bar - Max. temperature: 280°C - Connection to valves with Ø 16 pipes - Length: 60 mm.

Size	Int. min. (mm)	C (mm)	D (mm)	V (mm)	code
5	340	220	233	196	2330TRANA1T5
6	370	250	263	226	2330TRANA1T6
7	400	280	293	256	2330TRANA1T7



23509 - Borosilicate reflex glasses

According to DIN 7081 - Polyprismatic - Supplied with tightness gaskets - Fiber & graphite - Max. pressure: 34 bar - Max. temperature (steam): 243°C - Thickness: 17 mm.



Length (mm)	34 mm width code	30 mm width code
115	2350901	2350911
140	2350902	2350912
165	2350903	2350913
190	2350904	2350914
220	2350905	2350915
250	2350906	2350916
280	2350907	2350917
320	2350908	2350918
340	2350909	2350919



23519 - Borosilicate transparent glasses

According to DIN 7081 - Supplied with tightness gaskets - Fiber & graphite - Max. pressure: 34 bar - Max. temperature (steam): 243°C - Thickness: 17 mm.

Length (mm)	34 mm width code	30 mm width code
115	2351901	2351911
140	2351902	2351912
165	2351903	2351913
190	2351904	2351914
220	2351905	2351915
250	2351906	2351916
280	2351907	2351917
320	2351908	2351918
340	2351909	2351919



2352 - Mica

Combined with transparent glasses - According to DIN 7081 - Width: 34 mm - Thickness: 0,15-0,20 mm.



Length (mm)	code
115	2352901
140	2352902
165	2352903
190	2352904
220	2352905
250	2352906
280	2352907
320	2352908
340	2352909



Flowmeters

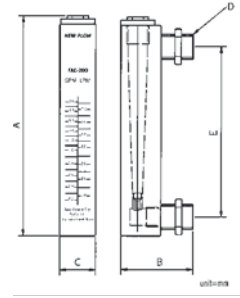
ISO
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2281 - FAC - Acrylic with float & regulating valve

Acrylic plastic body - Stainless steel float & fittings - FPM gasket for water, NBR for air - Max. pressure: 10 bar - Temperature range: 0°C/+50°C - Vertical position, upstream flow - Accuracy: 3% full scale - Stainless steel needle valve.



DN	Fluid	Flow	code
1/4"	Water	1-10 l/mn	2281001
1/4"	Air	1-10 Nm ³ /h	2281002SE
1/4"	Air	2-20 Nm ³ /h	2281003SE

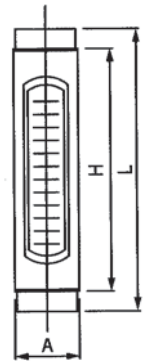


2282 - P - Stainless steel with float

316L body - Stainless steel float - Glass tube - FPM gasket - l/mn graduation for liquid - Max. pressure: 6 bar - Max. temperature: 100°C - Vertical position, upstream flow.



DN	Flow (l/mn)	L (mm)	code
3/8"	0,1-10	200	2282001
1/2"	1-10	240	2282002SE
3/4"	2-20	280	2282003SE
1"	5-50	280	2282004SE
1 1/4"	10-100	280	2282005SE
1 1/2"	20-200	305	2282006SE
2"	40-400	315	2282007SE



2283 - DFM - PVC with float

PVC body & tube - PDVF float - EPDM gasket - l/mn graduation for liquid - Max. pressure: 10 bar - Max. temperature: 60°C - Vertical position, upstream flow - BSP threaded or glued connections.



Flow (l/h)	L (mm)	Glued connections		Threaded connections	
		Ø	code	Ø	code
60-600	335	32	2283001SE	1"	2283001N
100-1000	335	32	2283002	1"	2283002N
200-2000	335	50	2283003	1 1/2"	2283003N
300-3000	335	50	2283004	1 1/2"	2283004N
600-6000	335	63	2283005	2"	2283005N
1000-10000	335	63	2283006	2"	2283006N
2500-25000	335	75	2283007	2 1/2"	2283007N

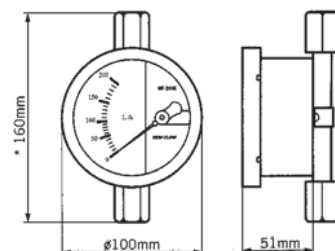


2284 - MF200E - Magnetic

Stainless steel 316L body - Stainless steel box IP65 - Max. pressure: 10 bar - Temperature range: -40°C/+180°C - Vertical position, upstream flow - Scale for liquid in l/h - Accuracy: +/- 2%.



DN	Range l/h	code
1/2"	15-150	2284001
1/2"	40-400	2284002
1/2"	60-600	2284003
3/4"	75-750	2284004
1"	100-1000	2284005
1 1/2"	200-2000	2284006
1 1/2"	400-4000	2284007



NEW

Thermometers

T-METER®

Vertical

Excluded from 97/23/EC (article 3, §3) - For non-corrosive gases & liquids - Temperature range: -30°C/+300°C - Brass fitting 1/2" - Aluminium case - Engraved scaled glass - All positions reading - Brass plunger Ø 10 mm - Solid glass prismatic capillary - Max. pressure: 16 bar.



1670 / 1672 - Straight - 150 mm height

Scale	Plunger L (mm)	code
0°C/+120°C	63	1670001
-30°C/+50°C	63	1670002
0°C/+120°C	100	1672001
-30°C/+50°C	100	1672002



1675 / 1677 - Angle - 150 mm height

Scale	Plunger L (mm)	code
0°C/+120°C	63	1675001
-30°C/+50°C	63	1675002
0°C/+120°C	100	1677001
-30°C/+50°C	100	1677002



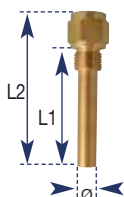
1671 / 1673 - Straight - 200 mm height

Scale	Plunger L (mm)	code
0°C/+120°C	63	1671001
-30°C/+50°C	63	1671002
0°C/+200°C	63	1671003
0°C/+300°C	63	1671004
0°C/+120°C	100	1673001
-30°C/+50°C	100	1673002
0°C/+200°C	100	1673003
0°C/+300°C	100	1673004



1676 / 1678 - Angle - 200 mm height

Scale	Plunger L (mm)	code
0°C/+120°C	63	1676001
-30°C/+50°C	63	1676002
0°C/+200°C	63	1676003
0°C/+300°C	63	1676004
0°C/+120°C	100	1678001
-30°C/+50°C	100	1678002
0°C/+200°C	100	1678003
0°C/+300°C	100	1678004



Brass thermowells 1/2"

Ø	L1	L2	code
14	45	74	9880220
14	82	111	9880221

Bi-metallic - Stainless steel - Ø 100 dial

Excluded from 97/23/EC (article 3, §3) - Class 2 - IP31 - For severe conditions gases & liquids - Temperature range: -30°C/+250°C - Instrumentation glass - Stainless steel 304 case & fitting 1/2" - Duralium dial & needle - Plunger Ø 8 mm - Tight welded pipe - Max. pressure: 40 bar.



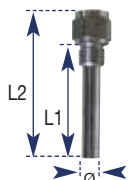
1680 / 1681 - Radial

Scale	Plunger L (mm)	code
-30°C/+50°C	63	1680001
0/+120°C	63	1680002
0/+160°C	63	1680003
0/+200°C	63	1680004
-30°C/+50°C	100	1681001
0/+120°C	100	1681002
0/+160°C	100	1681003
0/+200°C	100	1681004



1685 / 1686 - Axial

Scale	Plunger L (mm)	code
-30°C/+50°C	63	1685001
0/+120°C	63	1685002
0/+160°C	63	1685003
0/+200°C	63	1685004
-30°C/+50°C	100	1686001
0/+120°C	100	1686002
0/+160°C	100	1686003
0/+200°C	100	1686004



Stainless steel thermowells 1/2"

Ø	L1	L2	Plunger L (mm)	code
12	55	83	63	9880210
12	77	105	100	9880211

■ Stainless steel case - Glycerine filled

Excluded from 97/23/EC (article 3, §3) - IP65 - For non-corrosive, non-viscous & non-crystallizing gases & liquids - Hydraulic, compressors & ship building - Temperature range: 0°C/+60°C - Brass interior, movement & pipe, tin welding - Stainless steel 304 case - Polycarbonate glass - Duralumin dial - Double scale bar/PSI in Ø 63 - Safety air vent on the back - Carbon steel needle for Ø 50 & Ø 63, Duralium needle for Ø 100 - Max. pressure: 16 bar.

1612 - Radial - Ø 50

Class 2,5 - Fitting 1/4".



Scale (bar)	code
-1/+1	1612001
0/1,6	1612002
0/2,5	1612003
0/4	1612004
0/6	1612005
0/10	1612006
0/16	1612007
0/25	1612008
0/40	1612009
0/60	1612010

1613 - Radial - Ø 63

Class 1,6 - Fitting 1/4".



Scale (bar)	Range (PSI)	code
-1/+1	-15/15	1613001
0/1,6	0/23	1613002
0/2,5	0/36	1613003
0/4	0/58	1613004
0/6	0/87	1613005
0/10	0/145	1613006
0/16	0/230	1613007
0/25	0/360	1613008
0/40	0/580	1613009
0/60	0/870	1613010
0/100	0/1450	1613011
0/160	0/2300	1613012

1615 - Radial - Ø 100

Class 1 - Fitting 1/2".



Scale (bar)	code
-1/+1	1615001
0/1,6	1615002
0/2,5	1615003
0/4	1615004
0/6	1615005
0/10	1615006
0/16	1615007
0/25	1615008
0/40	1615009
0/60	1615010
0/100	1615011
0/160	1615012

1622 - Axial - Ø 50

Class 2,5 - Fitting 1/4".



Scale (bar)	code
-1/+1	1622001
0/1,6	1622002
0/2,5	1622003
0/4	1622004
0/6	1622005
0/10	1622006
0/16	1622007
0/25	1622008
0/40	1622009
0/60	1622010

1623 - Axial - Ø 63

Class 1,6 - Fitting 1/4".



Scale (bar)	Range (PSI)	code
-1/+1	-15/15	1623001
0/1,6	0/23	1623002
0/2,5	0/36	1623003
0/4	0/58	1623004
0/6	0/87	1623005
0/10	0/145	1623006
0/16	0/230	1623007
0/25	0/360	1623008
0/40	0/580	1623009
0/60	0/870	1623010
0/100	0/1450	1623011
0/160	0/2300	1623012

1625 - Axial - Ø 100

Class 1 - Fitting 1/2".



Scale (bar)	code
-1/+1	1625001
0/1,6	1625002
0/2,5	1625003
0/4	1625004
0/6	1625005
0/10	1625006
0/16	1625007

■ Carbon steel case - Brazed brass - Dry

Excluded from 97/23/EC (article 3, §3) - For non-corrosive, non-viscous & non-crystallizing gases & liquids - Steam: max. 100°C - Pneumatic, HVAC & medical equipments - Temperature range: 0°C/+150°C (room temperature range: -20°C/+50°C) - Black painted carbon steel dry case - Brass fitting & pipe, tin welding - Duralium dial carbon steel needle - Instrumentation glass - Brazed brass movement - Safety air vent at the back.

1619 - Radial - Ø 100

Class 2,5 - Fitting 1/4".



Scale (bar)	code
-1/+1	1619001
0/1,6	1619002
0/2,5	1619003
0/4	1619004
0/6	1619005
0/10	1619006
0/16	1619007
0/25	1619008
0/40	1619009

■ Stainless steel case - Dry - Steam application

Excluded from 97/23/EC (article 3, §3) - For steam - Max. temperature: 180°C.

Radial - Ø 100

Class 1,6 - Fitting 1/2" - To be installed with coil siphon.



Scale (bar)	code
0/10	981703
0/25	981705

Coil siphon

DIN 16282 C type - Max. temperature: 300°C (at 80 bar) - Ø connection M1/2" x F1/2".



	code
Carbon steel	981712
Stainless steel	981713

Manometer holder valve

DIN 16270 A type - Carbon steel body: PN400 - Max. temperature: 200°C - Ø fitting F1/2".



	code
Carbon steel	981710
Stainless steel	981717

Full stainless steel - Dry - Chemical application

Excluded from 97/23/EC (article 3, §3) - IP65 - For non-viceous & non-crystallazing gases & agressive liquids - Chemical, petrochemical industry, energy, mining, on & offshore, technical installations - Temperature range: 0°C/+100°C (room temperature range: -20°C/+60°C) - Stainless steel 304 case - Stainless steel 316 pipe & movement - Aluminium dial & needle - Securit glass - Safety air vent at the back.

1616 - Dry - Radial - Ø 63

Class 1,6 - Fitting 1/4".



Scale (bar)	code
-1/+1	1616001
0/1,6	1616002
0/2,5	1616003
0/4	1616004
0/6	1616005
0/10	1616006
0/16	1616007
0/25	1616008
0/40	1616009
0/60	1616010

1617 - Dry - Radial - Ø 100

Class 1 - Fitting 1/2".



Scale (bar)	code
-1/+1	1617001
0/1,6	1617002
0/2,5	1617003
0/4	1617004
0/6	1617005
0/10	1617006
0/16	1617007
0/25	1617008
0/40	1617009
0/60	1617010

1615 - Glycerine* - Radial - Ø 100

Class 1 - Fitting 1/2".



Scale (bar)	code
-1/+1	1615001
0/1,6	1615002
0/2,5	1615003
0/4	1615004
0/6	1615005
0/10	1615006
0/16	1615007
0/25	1615008
0/40	1615009
0/60	1615010

* Supplied non filled.

Stainless steel case - Dry - Gas capsule

Excluded from 97/23/EC (article 3, §3) - IP31 - For dry & non agressive gases - Medical - Temperature range: 0°C/+60°C - Stainless steel 304 case - Brass interior & fitting - Duralium dial & needle - Acrylic glass for Ø 63; polycarbonate glass for Ø 100.

1633 - Dry - Radial - Ø 63

Class 2,5 - Fitting 1/4".



Scale (mbar)	code
0/60	1633001
0/100	1633002
0/250	1633003
0/400	1633004
0/600	1633005

1635 - Dry - Radial - Ø 100

Class 1 - Fitting 1/2".



Scale (mbar)	code
0/60	1635001
0/100	1635002
0/250	1635003
0/400	1635004
0/600	1635005

Push-button valve

PN4.



Ø	code
1/4"	9880302
1/2"	9880304

ABS plastic case - Dry

Excluded from 97/23/EC (article 3, §3) - For non-viceous, non-crystallazing & non-agressive gases & liquids - Pneumatic, HVAC, medical, compressors - Temperature range: 0°C/+60°C - ABS plastic case - Brass pipe, fitting & movement - Plexiglas glass - Plastic dry dial - Duralium needle.

1640 - Axial - Ø 40

Class 2,5 - Fitting 1/8".



Scale (bar)	code
0/4	1640004
0/6	1640005
0/10	1640006
0/16	1640007

1643 - Radial - Ø 63

Class 1,6 - Fitting 1/4".



Scale (bar)	Range (PSI)	code
0/4	0/58	1643004
0/6	0/87	1643005
0/10	0/145	1643006
0/16	0/230	1643007
0/25	0/360	1643008
0/40	0/580	1643009

1644 - Radial - Ø 80

Class 1,6 - Fitting 1/2".



Scale (bar)	Range (PSI)	code
0/4	0/58	1644004
0/6	0/87	1644005
0/10	0/145	1644006
0/16	0/230	1644007
0/25	0/360	1644008
0/40	0/580	1644009

1645 - Radial - Ø 100

Class 1,6 - Fitting 1/2".



Scale (bar)	code
0/4	1645004
0/6	1645005
0/10	1645006
0/16	1645007
0/25	1645008
0/40	1645009

■ Accessories

Decompression manometer holder valves

For non-toxic, non-crystallizing & non-aggressive gases & liquids - Max. pressure: 16 bar - Max. temperature: 90°C - Brass.

1305 - Female/female



Ø	Length (mm)	code
1/4"	60	1305002
3/8"	68	1305003
1/2"	74	1305004

1306 - Male/female



Ø	Length (mm)	code
1/4"	60	1306002
3/8"	68	1306003
1/2"	74	1306004

1307 - Female/female



Ø	Length (mm)	code
1/4"	60	1307002
1/2"	68	1307004

High pressure manometer holder valves

For non-toxic, non-crystallizing & non-aggressive gases & liquids - Max. pressure: 250 bar - Max. temperature: 120°C - Brass.

1390 - Male/female with stretcher nut



Ø	Length (mm)	code
1/2"	119	1390004

1391 - Male/female with stretcher nut & control flange



Ø	Length (mm)	code
1/2"	119	1391004

Coil siphons

98802 - Stainless steel - Male/female



Ø	code
1/4"	9880207
1/2"	9880208

98802 - Carbon steel - Male/female - PN25



Ø	code
1/4"	9880200
1/2"	9880201

98802 - Copper - Male/female



Ø	code
1/4"	9880202
1/2"	9880204

98802 - Carbon steel - U type - Male/male - PN25



Ø	code
1/4"	9880205
1/2"	9880206

Technical filtration



Filters for liquid

PPG body - SAN tank supplies with dismantling key - Max. pressure: 10 bar - Max. temperature: 50°C - Brass drainage valve 3/4" - Standard strainer 25 µm - Upstream & downstream 0-20 bar manometers.



Threaded

DN	Face to face (mm)	Weight (kg)	Flow (m³/h) for Δp = 0,2 bar	Filtration surface (cm²)	code
2"	443	6,4	18	1288	506151



Flanged PN10/16

DN	Face to face (mm)	Weight (kg)	Flow (m³/h) for Δp = 0,2 bar	Filtration surface (cm²)	code
65	304	7	25	1288	506163
80	313	7,4	32	1288	506176



Wall bracket	code
Stainless steel	506598

Filter sleeves (sold by 5)



Filtration	code
5 µ	506120
10 µ	506121
25 µ	506122
50 µ	506124
100 µ	506123
150 µ nylon	506125
300 µ nylon	506300

Compressed air equipment

ISO
9001

Air treatment

Max. pressure: 10 bar up to 1/2", 12 bar above - Temperature range: 0°C/+50°C - Standard filtration: 5 µm - Regulator accuracy: 0,2 bar - Aluminium body - Polycarbonate bowl - Bowl protection: reinforced fiberglass nylon.

1700 - UFR + L

With manometer & bracket.



DN	code
1/4"	170002
3/8"	170003
1/2"	170004
3/4"	170005
1"	170006

1705 - UF + R + L

With manometer & bracket.



DN	code
1/4"	170502
3/8"	170503
1/2"	170504
3/4"	170505
1"	170506

1720 - Filter regulator UFR

With manometer & bracket.



DN	code
1/4"	172002
3/8"	172003
1/2"	172004
3/4"	172005
1"	172006

1721 - Filter UF 40 µm

With bracket.



DN	code
1/4"	172102
3/8"	172103
1/2"	172104
3/4"	172105
1"	172106

1725 - Regulator UR

With manometer & bracket.



DN	code
1/4"	172502
3/8"	172503
1/2"	172504
3/4"	172505
1"	172506

1726 - Lubricator UL

With bracket.



DN	code
1/4"	172602
3/8"	172603
1/2"	172604
3/4"	172605
1"	172606

1762 - Regulator R200

With manometer Ø 40.



DN	code
1/4"	176202

1727 - Condensate automatic drain with float AD 940

DN	code
1/2"	172704

NEW

Pressure range: 0,5-10 bar - Temperature range: -10°C/+60°C - Regulator accuracy: 0,2 bar - Standard filtration: 5 µm - Max. flow: 2080 l/mn for 1/4", 2100 l/mn for 3/8", 2600 l/mn for 1/2".

1730 - NUFR + L

With manometer & bracket.



DN	code
1/4"	173002
3/8"	173003
1/2"	173004

1731 - NUFR

With manometer & bracket.



DN	code
1/4"	173102
3/8"	173103
1/2"	173104

1732 - NUF + R + L

With manometer & bracket.



DN	code
1/4"	173202
3/8"	173203
1/2"	173204

1733 - NUR regulator

With manometer & bracket.



DN	code
1/4"	173302
3/8"	173303
1/2"	173304



Drain valves



T-DRAIN - Programmable drain

Built-in upstream filter - Opening frequency from 1 to 60 mn - Opening time: 2,4 or 6 s -
 Max. pressure: 16 bar - Max. temperature: 65°C - Max. flow condensate: 32 l/h -
 Electric supply 230V AC - Size: 43 x 89 x 90 mm - Face to face: 85 mm - Min. height under tank: 110 mm -
 Supplied with connector - Upstream connection: 1/2" M - Downstream connection: 3/8" M & hose Ø10 -
 Horizontal or vertical positioning - Test function.

Max. flow (m ³ /h)			
Compressor	Dryer	Filter	code
3600	7200	36000	420050



T10 - Temporised drain for filters

Electric supply 230V AC - PG9 - Max. pressure: 16 bar -
 Opening frequency: 0,5 to 45 mn - Opening time: 0,5 to 10 s -
 Connection: 1/8" BSP.

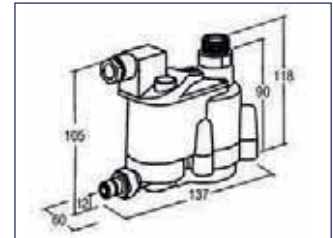
code
421010



T20 - Temporised drain

Electric supply 230V AC - 1 m cable - Max. pressure: 16 bar -
 Opening frequency: 0,5 to 45 mn - Opening time: 0,5 to 10 s -
 Upstream connection: 1/2" M - Downstream connection: 1/4" F -
 Built-in ball valves - Cleanable upstream filter.

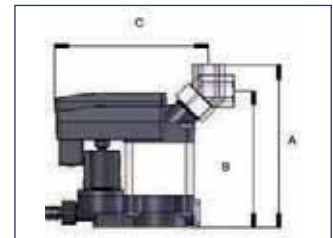
code
421020



LD100 - Compact capacitive drain

Built-in tank with electronic float - Built-in filter - Test function -
 Electric supply 230V AC - Connector PG9 - Horizontal positioning -
 Max. pressure: 16 bar - Max. temperature: 60°C.

Max. flow (m ³ /h)							
Compressor	Dryer	Filter	HT (mm)	H mini (mm)	Upstream connection	Downstream connection	code
180	180	1800	105	100	1/2"-3/4"M	3/8"	420010



LOGI-DRAIN - Capacitive drain

Built-in tank with electronic float - Built-in filter - Electric supplied LED -
 Drain LED - Dysfunction alarm - Test function - Electric supply 230V AC -
 Connector PG9 - Horizontal positioning only - Max. working pressure: 16 bar -
 Max. working temperature: 60°C.

Max. flow (m ³ /h)									
Compressor	Dryer	Filter	A	B	C	Upstream connection	Downstream connection	code	Maintenance set
450	900	4500	140	144	132	1/2"-3/4"M	3/8"M	420011	980250
900	1800	9800	155	129	132	1/2"-3/4"M	3/8"M	420020	980251
1800	3600	18000	215	189	132	3/4"-3/4"M	3/8"M	420022	980251
9500	19000	95000	232	206	132	1/2"F-3/4"M	3/8"M	420023	980251

: not on stock, on request

Stainless steel threaded fittings

Excluded from 97/23/EC directive - Temperature range: -25°C/+180°C.

■ Stainless steel 316L & CF8M - PN20 - 150 lbs

Stainless steel 316L: 2039, 2034, 2042, 2040, 2038, 2041

Stainless steel CF8M: 2015, 2017, 2001, 2021, 2024, 2031, 2032.

2039 - Standard welding nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
Length (mm)	22	23	27	33	35	36	41	46	55	70	80
pack	10	10	10	10	5	5	5	5	1	1	1
code	2039002	2039003	2039004	2039005	2039006	2039007	2039008	2039009	2039010	2039011	2039012

2034 - Welding nipple - Length = 50 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2034002	2034003	2034004	2034005	2034006	2034007	2034008	2034009

2042 - Welding nipple - Length = 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2042002	2042003	2042004	2042005	2042006	2042007	2042008	2042009

2015 - Bright socket



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
Length (mm)	17	25	26,5	34	36	43	48	48	56	65	71	83
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2015001	2015002	2015003	2015004	2015005	2015006	2015007	2015008	2015009	2015010	2015011	2015012

2017 - Half socket



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	10	11	13	16	18	20	22	23	27
pack	10	10	10	10	10	5	5	5	5
code	2017001	2017002	2017003	2017004	2017005	2017006	2017007	2017008	2017009

2040 - Standard barrel nipple



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
Length (mm)	40	40	60	60	60	80	80	100	100	120	120
pack	10	10	10	10	10	5	5	5	1	1	1
code	2040002	2040003	2040004	2040005	2040006	2040007	2040008	2040009	2040010	2040011	2040012

2038 - Barrel nipple - Length = 100 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2038002	2038003	2038004	2038005	2038006	2038007	2038008	2038009

2041 - Barrel nipple - Length = 200 mm



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2041002	2041003	2041004	2041005	2041006	2041007	2041008	2041009

2001 - Elbow 90° female/female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2001001	2001002	2001003	2001004	2001005	2001006	2001007	2001008	2001009	2001010	2001011	2001012



2010 - Elbow 90° male/female

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
pack	10	10	10	10	10	5	5	5	5	1	1
code	2010001	2010002	2010003	2010004	2010005	2010006	2010007	2010008	2010009	2010010	2010011



2003 - Female tee

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	10	5	5	5	5	1	1	1
code	2003001	2003002	2003003	2003004	2003005	2003006	2003007	2003008	2003009	2003010	2003011	2003012



2037 - Hexagon cap female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	5	5	5	5
code	2037002	2037003	2037004	2037005	2037006	2037007	2037008	2037009



2022 - Hexagon plug

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	5	5	5	5
code	2022004	2022005	2022006	2022007	2022008	2022009



2023 - Hexagon plug (plain)

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	10	5	5	5	5
code	2023001	2023002	2023003	2023004	2023005	2023006	2023007	2023008	2023009



2036 - Hexagon nut

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	10	5	5	5	5
code	2036001	2036002	2036003	2036004	2036005	2036006	2036007	2036008	2036009



2030 - Hexagon nipple

Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	10	5	5	5	5
code	2030001	2030002	2030003	2030004	2030005	2030006	2030007	2030008	2030009



2035 - Hose nozzle

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
hose	8,9	11,5	14	19,5	26	34	40	52
pack	10	10	10	10	5	5	5	5
code	2035002	2035003	2035004	2035005	2035006	2035007	2035008	2035009



2013 - Reduced nipple female/female

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4"-1"	1"1/2"-1"1/4"	2"-1"1/2"
pack	10	10	10	10	10	5	5	5
code	2013002	2013003	2013004	2013005	2013006	2013007	2013008	2013009



2014 - Double reduced nipple female/female

Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4"-3/4"	1"1/2"-1"	2"-1"1/4"
pack	10	10	10	5	5	5	5
code	2014003	2014004	2014005	2014006	2014007	2014008	2014009



2033 - Reduced nipple female/male

Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4"-1"	1"1/2"-1"1/4"	2"-1"1/2"
pack	10	10	10	10	10	5	5	5
code	2033002	2033003	2033004	2033005	2033006	2033007	2033008	2033009

2021 - Reduced nipple male/female



Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4"-1"	1"1/2-1"1/4"	2"-1"1/2"
pack	10	10	10	10	5	5	5	5
code	2021002	2021003	2021004	2021005	2021006	2021007	2021008	2021009

2024 - Double reduced nipple male/female



Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4"
pack	10	10	10	5	5	5	5
code	2024003	2024004	2024005	2024006	2024007	2024008	2024009

2031 - Reduced nipple male/male



Ø	1/4"-1/8"	3/8"-1/4"	1/2"-3/8"	3/4"-1/2"	1"-3/4"	1"1/4-1"	1"1/2-1"1/4"	2"-1"1/2"
pack	10	10	10	10	5	5	5	5
code	2031002	2031003	2031004	2031005	2031006	2031007	2031008	2031009

2032 - Double reduced nipple male/male



Ø	3/8"-1/8"	1/2"-1/4"	3/4"-3/8"	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4"
pack	10	10	10	5	5	5	5
code	2032003	2032004	2032005	2032006	2032007	2032008	2032009

■ Union - Stainless steel CF8M - 150 lbs - Conical bearing

Pack : individual

2025 - Female/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	34,5	37,6	38,6	44	51	58	59	61,5
code	2025002	2025003	2025004	2025005	2025006	2025007	2025008	2025009

2026 - Male/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	46	48	52,8	58,6	66,5	73,5	74,5	80,5
code	2026002	2026003	2026004	2026005	2026006	2026007	2026008	2026009

2062 - Male/male



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	56	57,5	66,5	73,4	81	89,5	89,3	99
code	2062002	2062003	2062004	2062005	2062006	2062007	2062008	2062009

2027 - Male/butt welding



Ø	1/4"-8	3/8"-10	1/2"-15	3/4"-20	1"-25	1"1/4-32	1"1/2-40	2"-50
Length (mm)	46,4	47,7	53	60	66	72	73	77,6
code	2027208	2027310	2027415	2027520	2027625	2027732	2027840	2027950

2028 - Female/butt welding



Ø	1/4"-8	3/8"-10	1/2"-15	3/4"-20	1"-25	1"1/4-32	1"1/2-40	2"-50
Length (mm)	35	38	40	45,7	50	56	57	58,6
code	2028208	2028310	2028415	2028520	2028625	2028732	2028840	2028950

2029 - Butt welding/butt welding



Ø	1/4"-8	10	15	20	25	32	40	50
Length (mm)	34,5	38,5	40	47,5	49,6	54,8	55	57,4
code	2029008	2029010	2029015	2029020	2029025	2029032	2029040	2029050

■ **Bright 3 pieces union - Stainless steel 316L - 1000 PSI - Conical bearing** 

Pack : individual



2065 - Female/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	29	34	34	38	44	50	53	54
code	2065002	2065003	2065004	2065005	2065006	2065007	2065008	2065009



2066 - Male/female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	41	45	54	57	66	70	73	83
code	2066002	2066003	2066004	2066005	2066006	2066007	2066008	2066009



2064 - Male/male

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	50	57	66	71	80	82	85	95
code	2064002	2064003	2064004	2064005	2064006	2064007	2064008	2064009



2068 - Female/butt welding

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	31	35	40	45	50	53	53	61
code	2068208	2068310	2068415	2068520	2068625	2068732	2068840	2068950



2067 - Male/butt welding

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
Length (mm)	40	47	52	59	64	65	65	73
code	2067208	2067310	2067415	2067520	2067625	2067732	2067840	2067950



2069 - Butt welding/butt welding

Ø	8	10	15	20	25	32	40	50
Length (mm)	40	45	48	52	55	56	58	62
code	2069008	2069010	2069015	2069020	2069025	2069032	2069040	2069050

Express fittings

Excluded from 97/23/EC directive - Distance between claws: 41 mm - NFE 29573.

■ Brass - Without gasket

Max. pressure: 10 bar - Temperature range: -5°C/+60°C - For water & compressed air.

2285 - Hose coupler



Ø	7	9	11	13	16	19	22	25
code	2285007	2285009	2285011	2285013	2285016	2285019	2285022	2285025

2286 - Male coupler



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"
code	2286002	2286003	2286004	2286005	2286006	2286007

2287 - Female coupler



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"
code	2287002	2287003	2287004	2287005	2287006	2287007

2288 - Cap coupler



For all references	
code	2288001

■ Brass - With mounted NBR gasket

Max. pressure: 10 bar - Max. temperature: 60°C.

2280 - Hose coupler



Ø	7	9	11	13	16	19	22	25
code	2280007	2280009	2280011	2280013	2280016	2280019	2280022	2280025

Spare gasket Ø 20 - NBR



For all references	
code	9830984

2281 - Male coupler



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"
code	2281002	2281003	2281004	2281005	2281006	2281007

Black gasket Ø 15 w / reduced hole - NBR



For all references	
code	9830983

2282 - Female coupler



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"
code	2282002	2282003	2282004	2282005	2282006	2282007



2283 - Cap coupler

For all references	
code	2283001

98440 - Claw clamp



Ref.	15	17	20	23	26	29	32	36	38
Ø ext.	14-16	16-18	19-21	22-24	25-27	28-30	31-33	34-37	37-39
Ø int.	7	9	10	11	13	16-19	19	22	25
code	9844015	9844017	9844020	9844023	9844026	9844029	9844032	9844036	9844038

■ Stainless steel CF8M - With FKM gasket

Max. pressure: 10 bar - Temperature range: -5°C/+150°C.

2290 - Hose coupler



Ø	16	19	25
code	2290016	2290019	2290025

2291 - Male coupler



Ø	1/2"	3/4"	1"
code	2291004	2291005	2291006

2292 - Female coupler



Ø	1/2"	3/4"	1"
code	2292004	2292005	2292006

2293 - Cap coupler



For all references	
code	2293001

Cam-lock couplings

Excluded from 97/23/EC directive - MIL-C-27487.

Recommended pressure (bar):

Ø	1/2"	3/4" to 2"	2 1/2"	3"	4"
Aluminium	11	16	11	9	7
Brass	11	16	11	4	7
Stainless steel CF8M	11	18	16	14	14

■ Aluminium (BSP)

Aluminium body - Aluminium cams up to 1", brass cams above - NBR gasket - Temperature range: -10°C/+60°C.

2201 - Female adaptor A



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2201004	2201005	2201006	2201007	2201008	2201009	2201010	2201011	2201012

2202 - Male coupling B



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2202004	2202005	2202006	2202007	2202008	2202009	2202010	2202011	2202012

2203 - Hose coupling C



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2203004	2203005	2203006	2203007	2203008	2203009	2203010	2203011	2203012

2204 - Female coupling D



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2204004	2204005	2204006	2204007	2204008	2204009	2204010	2204011	2204012

2205 - Hose adaptor E



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2205004	2205005	2205006	2205007	2205008	2205009	2205010	2205011	2205012

2206 - Male adaptor F



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2206004	2206005	2206006	2206007	2206008	2206009	2206010	2206011	2206012

2207 - Cap coupler DC



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2207004	2207005	2207006	2207007	2207008	2207009	2207010	2207011	2207012

2208 - Plug adaptor DP



Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
code	2208004	2208005	2208006	2208007	2208008	2208009	2208010	2208011	2208012

■ Brass

Brass body - Stainless steel cams up to 2", brass cams above - NBR gasket - Temperature range: -10°C/+60°C.



2261 - Female adaptor A

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2261004	2261005	2261006	2261007	2261008	2261009	2261010	2261011	2261012



2262 - Male coupling B

Ø	1/2"*	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2262004	2262005	2262006	2262007	2262008	2262009	2262010	2262011	2262012

* Stainless steel cams.



2263 - Hose coupling C

Ø	1/2"*	3/4"*	1"*	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2263004	2263005	2263006	2263007	2263008	2263009	2263010	2263011	2263012

* Stainless steel cams.



2264 - Female coupling D

Ø	1/2"	3/4"*	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2264004	2264005	2264006	2264007	2264008	2264009	2264010	2264011	2264012

* Stainless steel cams.



2265 - Hose adaptor E

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2265004	2265005	2265006	2265007	2265008	2265009	2265010	2265011	2265012



2266 - Male adaptor F

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2266004	2266005	2266006	2266007	2266008	2266009	2266010	2266011	2266012

2267 - Cap coupling DC



Ø	1/2"	3/4"*	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2267004	2267005	2267006	2267007	2267008	2267009	2267010	2267011	2267012

* Stainless steel cams.



2268 - Plug adaptor DP

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2268004	2268005	2268006	2268007	2268008	2268009	2268010	2268011	2268012

■ Stainless steel CF8M

Stainless steel CF8M body & cams - NBR gasket - Temperature range: -10°C/+60°C.

2241 - Female adaptor A



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2241004	2241005	2241006	2241007	2241008	2241009	2241010	2241011	2241012

2242 - Male coupling B



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2242004	2242005	2242006	2242007	2242008	2242009	2242010	2242011	2242012

2243 - Hose coupling C



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2243004	2243005	2243006	2243007	2243008	2243009	2243010	2243011	2243012

2244 - Female coupling D



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2244004	2244005	2244006	2244007	2244008	2244009	2244010	2244011	2244012

2245 - Hose adaptor E



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2245004	2245005	2245006	2245007	2245008	2245009	2245010	2245011	2245012

2246 - Male adaptor F



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2246004	2246005	2246006	2246007	2246008	2246009	2246010	2246011	2246012

2247 - Cap coupling DC



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2247004	2247005	2247006	2247007	2247008	2247009	2247010	2247011	2247012

2248 - Cap adaptor DP



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
code	2248004	2248005	2248006	2248007	2248008	2248009	2248010	2248011	2248012

Symetrical couplings

NF-EN 29572 - Threaded ISO 228-1.

■ Aluminium

Aluminium body - White NBR gasket - Temperature range: -10°C/+80°C.



2410 - Hose coupling

Ø	20/25	25/30	32/35	40/40	40/45	50/55	65/70	80/90	100/110	100/105	150/152
code	2410020	2410025	2410032	2410040	2410041	2410050	2410065	2410080	2410100	2410101	2410150



2411 - Hose coupling

NEW

Ø	50/51	65/63	80/76	80/81	100/100	100/102
code	2411050	2411065	2411080	2411081	2411100	2411102



2416 - Female coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2416020	2416025	2416032	2416040	2416050	2416065	2416080	2416100



2415 - Male coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2415020	2415025	2415032	2415040	2415050	2415065	2415080	2415100



2414 - Female coupling with lock

Ø	20	25	32	40	50	65	80	100	150
code	2414020	2414025	2414032	2414040	2414050	2414065	2414080	2414100	2414150



2413 - Male coupling with lock

Ø	20	25	32	40	50	65	80	100	150
code	2413020	2413025	2413032	2413040	2413050	2413065	2413080	2413100	2413150



2417 - Cap with lock

Ø	20	25	32	40	50	65	80	100	150
code	2417020	2417025	2417032	2417040	2417050	2417065	2417080	2417100	2417150



2412 - Reduced coupling with lock

Ø	40/20	40/25	40/32	50/25	50/32	50/40	65/40	65/50	80/40	80/50	80/65	100/40
code	2412040	2412041	2412042	2412050	2412051	2412053	2412065	2412066	2412080	2412081	2412082	2412100
Ø	100/50	100/65	100/80	150/100								
code	2412101	2412102	2412103	2412150								

■ Stainless steel CF8M

Stainless steel CF8M body - FKM (Viton) gasket - Temperature range: -10°C/+180°C.



2420 - Hose coupling

Ø	20/25	25/30	32/35	40/45	50/55	65/70	80/90	100/110
code	2420020	2420025	2420032	2420040	2420050	2420065	2420080	2420100



2421 - Hose coupling

NEW

Ø	40/40	50/51	65/63	80/76	100/100	100/102
code	2421040	2421050	2421065	2421080	2421100	2421102



2426 - Female coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2426020	2426025	2426032	2426040	2426050	2426065	2426080	2426100



2425 - Male coupling without lock

Ø	20	25	32	40	50	65	80	100
code	2425020	2425025	2425032	2425040	2425050	2425065	2425080	2425100



2424 - Female coupling with lock

Ø	20	25	32	40	50	65	80	100
code	2424020	2424025	2424032	2424040	2424050	2424065	2424080	2424100



2423 - Male coupling with lock

Ø	20	25	32	40	50	65	80	100
code	2423020	2423025	2423032	2423040	2423050	2423065	2423080	2423100

NEW



2428 - Welding with lock

Ø	15	20	25	32	40	50	65	80	100
code	2428015	2428020	2428025	2428032	2428040	2428050	2428065	2428080	2428100



2427 - Cap with lock

Ø	20	25	32	40	50	65	80	100
code	2427020	2427025	2427032	2427040	2427050	2427065	2427080	2427100

NEW



2429 - Cap without lock

Ø	25	32	40	50	65	80	100
code	2429025	2429032	2429040	2429050	2429065	2429080	2429100



2422 - Reduced coupling with lock

Ø	50/40	65/40	65/50	80/50	80/65	100/40	100/50	100/65	100/80
code	2422053	2422065	2422066	2422081	2422082	2422100	2422101	2422102	2422103



Single spanner wrench - steel
(for DN20 to DN65)

code	9830897
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Universal spanner wrench - steel
(for DN20 to DN115)

code	9830898
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To be ordered by pack of 10 pcs up to d (mm) 90 & d1 (mm) 90; individually above.

PVC-U fittings

PVC-U body - Max. pressure: 16 bar - Temperature range: 0°C/+60°C.

NEW



ISO 9001



Elbow 90°

Female connections to be glued.

d (mm)	16	20	25	32	40	50	63	75	90	110	125	140	160	200
DN	10	15	20	25	32	40	50	65	80	100	125	125	150	200*
code	C90CC016	C90CC020	C90CC025	C90CC032	C90CC040	C90CC050	C90CC063	C90CC075	C90CC090	C90CC110	C90CC125	C90CC140	C90CC160	C90CC200

* max. pressure: 10 bar



Elbow 45°

Female connections to be glued.

d (mm)	16	20	25	32	40	50	63	75	90	110	125	140	160	200
DN	10	15	20	25	32	40	50	65	80	100	125	125	150	200*
code	C45CC016	C45CC020	C45CC025	C45CC032	C45CC040	C45CC050	C45CC063	C45CC075	C45CC090	C45CC110	C45CC125	C45CC140	C45CC160	C45CC200

* max. pressure: 10 bar



Equal tee 90°

Female connections to be glued.

d (mm)	16	20	25	32	40	50	63	75	90	110	125	140	160	200
DN	10	15	20	25	32	40	50	65	80	100	125	125	150	200*
code	TECC016	TECC020	TECC025	TECC032	TECC040	TECC050	TECC063	TECC075	TECC090	TECC110	TECC125	TECC140	TECC160	TECC200

* max. pressure: 10 bar



3 pieces union

EPDM tightness - DIN 8063 - Female connections to be glued.

d (mm)	16	20	25	32	40	50	63	75	90
DN	10	15	20	25	32	40	50	65*	80*
code	U3PCC016	U3PCC020	U3PCC025	U3PCC032	U3PCC040	U3PCC050	U3PCC063	U3PCC075	U3PCC090

* max. pressure: 10 bar

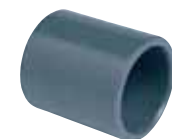


Threaded collar for 3 pieces union

EPDM tightness - DIN 8063 - BSP threaded.

d (mm)	16	20	25	32	40	50	63	75
Ø	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2*
code	CU3PCT01	CU3PCT02	CU3PCT03	CU3PCT04	CU3PCT05	CU3PCT06	CU3PCT07	CU3PCT08

* max. pressure: 10 bar



Nipple

Female connections to be glued.

d (mm)	16	20	25	32	40	50	63	75	90	110	125	140	160	200
DN	10	15	20	25	32	40	50	65	80	100	125	125	150	200*
code	MCC016	MCC020	MCC025	MCC032	MCC040	MCC050	MCC063	MCC075	MCC090	MCC110	MCC125	MCC140	MCC160	MCC200

* max. pressure: 10 bar



Threaded nipple with ring

Stainless steel reinforcement ring - Female connection to be glued (d) - BSP threaded.

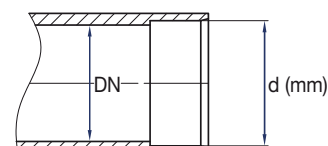
d (mm)	20	25	32	40	50	63
Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	MRCM2002	MRCM2503	MRCM3204	MRCM4005	MRCM5006	MRCM6307



Adaptor

Male (d1) & female (d2) connections to be glued - BSP threaded.

d1 (mm)	20	25	32	40	50	63
d2 (mm)	16	20	25	32	40	50
Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	EACM1602	EACM2003	EACM2504	EACM3205	EACM4006	EACM5007



Hose connection

Male connection to be glued (d1) - Hose connection (d2).



d1 (mm)	16	20	25	32	40	50	63
d2 (mm)	16/18	20/22	25/27	30/32	40/42	50/52	60/64
DN	10	15	20	25	32	40	50
code	ECCC16	ECCC20	ECCC25	ECCC32	ECCC40	ECCC50	ECCC63

Collar for striated face flange

Female connection to be glued.



														Max. pressure: 10 bar			
d (mm)	20	25	32	40	50	63	75	90	110	125	140	160	200	225	250	315	
DN	15	20	25	32	40	50	65	80	100	125	125	150	200	225	250	300	
code	CJPC020	CJPC025	CJPC032	CJPC040	CJPC050	CJPC063	CJPC075	CJPC090	CJPC110	CJPC125	CJPC140	CJPC160	CJPC200	CJPC225	CJPC250	CJPC315	

Flange

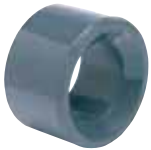
DIN 8063.



														Max. pressure: 10 bar			
d (mm)	20	25	32	40	50	63	75	90	110	125	140	160	200	225	250	315	
DN	15	20	25	32	40	50	65	80	100	125	125	150	200	225	250	300	
code	BTC020	BTC025	BTC032	BTC040	BTC050	BTC063	BTC075	BTC090	BTC110	BTC125	BTC140	BTC160	BTC200	BTC225	BTC250	BTC315	

Reduction

Male (d1) & female (d2) connections to be glued.



d1 (mm)	20	25	25	32	32	40	40	40	50	50	50	63	63	63	75	75	75
d2 (mm)	16	16	20	20	25	20	25	32	25	32	40	32	40	50	40	50	63
code	RSCC2016	RSCC2516	RSCC2520	RSCC3220	RSCC3225	RSCC4020	RSCC4025	RSCC4032	RSCC5025	RSCC5032	RSCC5040	RSCC6332	RSCC6340	RSCC6350	RSCC7540	RSCC7550	RSCC7563
d1 (mm)	90	90	90	110	110	110	125	125	125	140	140	140	160	160	160	160	
d2 (mm)	50	63	75	63	75	90	75	90	110	90	110	125	90	110	125	140	
code	RSCC9050	RSCC9063	RSCC9075	RSCC11063	RSCC11075	RSCC11090	RSCC12575	RSCC12590	RSCC125110	RSCC14090	RSCC140110	RSCC140125	RSCC16090	RSCC160110	RSCC160125	RSCC160140	

Double reduction

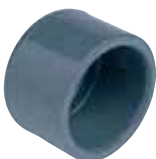
Male (d1) & female (d2 & d3) connections to be glued.



d1 (mm)	25	25	32	32	32	40	40	40	50	50	50	63	63	63	75	75	75
d2 (mm)	20	20	25	25	25	32	32	32	40	40	40	50	50	50	63	63	63
d3 (mm)	16	20	16	20	25	20	25	32	25	32	40	32	40	50	40	50	63
code	RDCC252016	RDCC252020	RDCC322516	RDCC322520	RDCC322525	RDCC403220	RDCC403225	RDCC403232	RDCC504025	RDCC504032	RDCC504040	RDCC635032	RDCC635040	RDCC635050	RDCC756340	RDCC756350	RDCC756363
d1 (mm)	90	90	90	110	110	110	110	125	125	125	125	140	140	160			
d2 (mm)	75	75	75	90	90	90	90	110	110	110	110	125	125	140			
d3 (mm)	50	63	75	50	63	75	90	63	75	90	110	90	110	110			
code	RDCC907550	RDCC907563	RDCC907575	RDCC1109050	RDCC1109063	RDCC1109075	RDCC1109090	RDCC12511063	RDCC12511075	RDCC12511090	RDCC125110110	RDCC14012590	RDCC140125110	RDCC160140110			

Cap

Female connection to be glued.



														Max. pressure: 10 bar			
d (mm)	16	20	25	32	40	50	63	75	90	110	125	140	160	200	225		
DN	10	15	20	25	32	40	50	65	80	100	125	125	150	200	200		
code	BCC016	BCC020	BCC025	BCC032	BCC040	BCC050	BCC063	BCC075	BCC090	BCC110	BCC125	BCC140	BCC160	BCC200	BCC225		

To be ordered by pack of 10 pcs up to d (mm) 63 & d1 (mm) 63; individually above.

PP-H fittings

PP body - Max. pressure: 10 bar - Temperature range: +10°C/+80°C.

NEW



ISO 9001



Elbow 90°

Female connections to be welded.

d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	C90PS020	C90PS025	C90PS032	C90PS040	C90PS050	C90PS063	C90PS075	C90PS090	C90PS110



Elbow 45°

Female connections to be welded.

d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	C45PS020	C45PS025	C45PS032	C45PS040	C45PS050	C45PS063	C45PS075	C45PS090	C45PS110



Equal tee 90°

Female connections to be welded.

d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	TEPS020	TEPS025	TEPS032	TEPS040	TEPS050	TEPS063	TEPS075	TEPS090	TEPS110



Nipple

Female connections to be welded.

d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	MPS020	MPS025	MPS032	MPS040	MPS050	MPS063	MPS075	MPS090	MPS110

Threaded collar for 3 pieces union

DIN 8063 - BSP threaded.



d (mm)	20	25	32	40	50	63
Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	CU3PPT02	CU3PPT03	CU3PPT04	CU3PPT05	CU3PPT06	CU3PPT07

3 pieces union

EPDM tightness - DIN 8063 - Female connections to be welded.



d (mm)	20	25	32	40	50	63
DN	15	20	25	32	40	50
code	U3PPS020	U3PPS025	U3PPS032	U3PPS040	U3PPS050	U3PPS063

Threaded nipple

Female connection to be welded (d) - BSP threaded.



d (mm)	20	25	32	40	50	63
Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	MTPM2002	MTPM2503	MTPM3204	MTPM4005	MTPM5006	MTPM6307

Adaptor

Male connection to be welded (d) - BSP threaded.



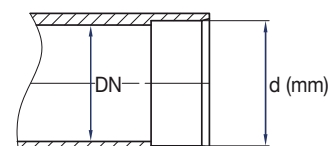
d (mm)	20	25	32	40	50	63
Ø	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
code	EAPM2002	EAPM2503	EAPM3204	EAPM4005	EAPM5006	EAPM6307

Hose connection

Male connection to be welded (d1) - Hose connection (d2).



d1 (mm)	20	25	32	40	50	63
d2 (mm)	20/22	25/27	30/32	40/42	50/52	60/64
DN	15	20	25	32	40	50
code	ECPS20	ECPS25	ECPS32	ECPS40	ECPS50	ECPS63



Collar for striated face flange

Female connection to be welded.

Pack: 10 pcs



d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	CJPPS020	CJPPS025	CJPPS032	CJPPS040	CJPPS050	CJPPS063	CJPPS075	CJPPS090	CJPPS110

Flange

Reinforced with fiberglass - Connections according to ISO 7005/EN 1092/DIN 2501.



d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	BTP020	BTP025	BTP032	BTP040	BTP050	BTP063	BTP075	BTP090	BTP110

Reduction

Male (d1) & female (d2) connections to be welded.



d1 (mm)	25	32	32	40	40	50	50	63	63	75	90	90	110
d2 (mm)	20	20	25	25	32	32	40	40	50	63	63	75	90
code	RSPS2520	RSPS3220	RSPS3225	RSPS4025	RSPS4032	RSPS5032	RSPS5040	RSPS6340	RSPS6350	RSPS7563	RSPS9063	RSPS9075	RSPS11090

Cap

Female connection to be welded.



d (mm)	20	25	32	40	50	63	75	90	110
DN	15	20	25	32	40	50	65	80	100
code	BPS020	BPS025	BPS032	BPS040	BPS050	BPS063	BPS075	BPS090	BPS110

O-ring for union

Pack: 10 pcs



	d (mm)	20	25	32	40	50	63	75	90
EPDM	code	JTUE020	JTUE025	JTUE032	JTUE040	JTUE050	JTUE063	JTUE075	JTUE090
	code	JTUF020	JTUF025	JTUF032	JTUF040	JTUF050	JTUF063	JTUF075	JTUF090

Flat gasket for collar

Pack: 10 pcs



	d (mm)	20	25	32	40	50	63	75	90	110	125	140	160	200	225	250	315
EPDM	code	JPCE020	JPCE025	JPCE032	JPCE040	JPCE050	JPCE063	JPCE075	JPCE090	JPCE110	JPCE125	JPCE140	JPCE160	JPCE200	JPCE225	JPCE250	JPCE315
	code	JPCF020	JPCF025	JPCF032	JPCF040	JPCF050	JPCF063	JPCF075	JPCF090	JPCF110							

Flanges

■ Butt welding carbon steel flanges

2100 - Single flange PN16

2101 - Single flange PN10



DN	15	20	25	32	40	50	65	80	100	125	150	200/10
holes	4	4	4	4	4	4	4	8	8	8	8	8
code	2100015	2100020	2100025	2100032	2100040	2100050	2100065	2100080	2100100	2100125	2100150	2101200

DN	200/16	250/10	250/16	300/10	300/16
holes	12	12	12	12	12
code	2100200	2101250	2100250	2101300	2100300

■ Flat stainless steel 316L flanges

2109 - Single flange PN16

3.1

10 €/DN



DN	15	20	25	32	40	50	65	80	100	125	150	200
holes	4	4	4	4	4	4	4	8	8	8	8	12
code	2109015	2109020	2109025	2109032	2109040	2109050	2109065	2109080	2109100	2109125	2109150	2109200



Pumps & garden

• Ecop range

Self priming pumps	page 118
Pressurisation sets	page 118
Drainage clear water pump	page 119
Sewage pump	page 119
Manual pumps	page 119

• Spid'O range

Rainwater pumps & manifolds	page 119
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Pressurisation sets	page 120
Thermal engine pumps	page 120
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Sewage pump	page 121
Dirty water pump	page 121
Well pump	page 121
Borehole pumps Ø 4"	page 121
SPRING - Surface pumps & pressurisation set	pages 122 to 123
STORM - Drainage & sewage pumps	pages 124 to 125
ABS plastic quick fittings	pages 126 to 127
Brass quick fittings	page 128
Brass couplings	page 128
Plastic couplings	page 129
Gear clamps	page 129

• Zenit range

Drainage pumps	page 130
Dirty water pumps	page 131

• BBC range

Drainage pumps - High-head	page 132
Dirty water pumps	pages 132 to 133
Well pumps	page 133

• Tsurumi range

Drainage pumps	page 134
Sandy & muddy water pumps	page 134
Sewage pump	page 134

• T-Water range

Borehole pumps Ø 4"	page 135
Set for borehole or well domestic installation	page 135

• DAB & Tallas range

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Peripheral pumps	page 136
Pressurisation sets	page 136
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Sewage pump	page 137
Well pumps	page 137

• Lifting stations

Sewage & dirty water lifting stations	page 138
Wastewater lifting stations	page 139

• Swimming pool pumps

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• Transfer pumps

Liquid transfer pumps	page 142
Oil transfer pumps	page 142
Gas oil transfer pumps	pages 142 to 143

• Control panels

For surface pumps	page 144
For 1 pump drainage/sewage/dirty water	page 144
For 2 pumps drainage/sewage/dirty water	page 144
For well & borehole pumps	pages 144 to 145
Control panel accessories	page 145

• Pressurised water tanks

Membrane tanks	page 146
Diaphragm tanks	page 147

• Automatic devices for domestic pumps

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• Pressure switches

	page 149
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• Level control

Level switches	page 150
Level monitors	page 150
Level detectors	page 150

• Pumps accessories & fittings

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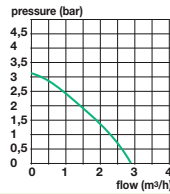
• Manometers

	page 152
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- Simple products
- Main domestic uses



Self-priming pumps

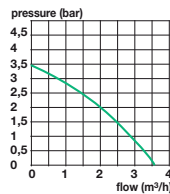


Pallet of 40 pcs

Ecop 150

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
0,6	1~230	2,8	32	5	002002

sold by 2 pcs



Pallet of 40 pcs

Ecop 140

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
0,6	1~230	3,6	35	5	002020

sold by 2 pcs



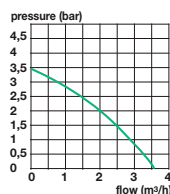
Pallet of 30 pcs

Ecop 160

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
1	1~230	3,6	42	5	002040

sold by 2 pcs

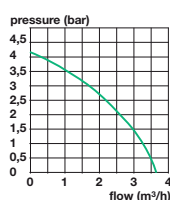
Pressurisation sets



Pallet of 18 pcs

Ecop 140/20

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
0,6	1~230	3,6	35	5	20	002161



Pallet of 18 pcs

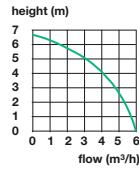
Ecop 160/20

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
1	1~230	3,6	42	5	20	002120

ECOP



Drainage clear water pump



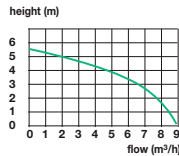
Pallet of 72 pcs

Ecop 100 automatic

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	code	sold by 4 pcs
0,25	1-230	6	6,8	002236	



Sewage pump



Pallet of 72 pcs

Ecop 105 automatic

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	code	sold by 4 pcs
0,4	1-230	9	5,5	002237	

Manual pumps



MA 9

Max. flow (m³/h)	Max. height (m)	Suction Ø	Max. height (m)	code
0,9 to 1,2	3 to 4	1"	60	002860

MA 12

Max. flow (m³/h)	Max. height (m)	Suction Ø	Max. height (m)	code
1,2	6 to 7	1 1/4"	75	002875

MA H

Max. flow (m³/h)	Max. height (m)	Suction Ø	Max. height (m)	code
1,2 to 1,8	1	1 m steel plunger	-	002880

SPID'O

Rainwater pumps & manifolds



Pallet of 200 pcs

Spid'O E 160

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
0,08	1-230	3	3	3	3/4" M	002201

Pallet of 80 pcs

Spid'O EC 300

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
0,3	1-230	2,6	11	3	3/4" M	002800

Sand

Universal: can be mounted on any diameter of zinc, PVC or copper gutter (from Ø 80 to 110 mm) - Easy mounting: without any cutting or

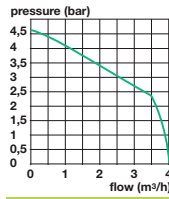
code
050646

Grey

removing of gutter - Ready to be mounted: supplied with a drilled saw.

050645

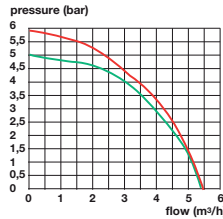
Self-priming pumps



Pallet of 30 pcs

Spid'O AF 100

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
1	1~230	4	45	8	002034

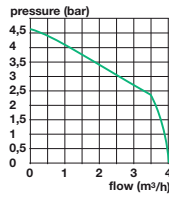


Pallet of 18 pcs

— Spid'O AMX 50/4
— Spid'O AMX 50/5

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
1,1	1~230	5,4	48	8	002745
1,3	1~230	5,4	56	8	002755

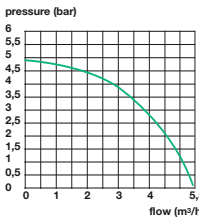
Pressurisation sets



Spid'O BF 100/20: pallet of 18 pcs
Spid'O BF 100/50: pallet of 8 pcs

Spid'O BF 100/20
Spid'O BF 100/50

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
1	1~230	4	45	8	24	002142
1	1~230	4	45	8	50	002155

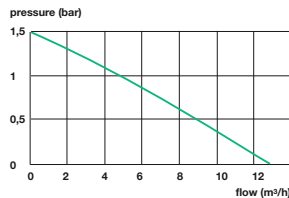


Pallet of 14 pcs

Spid'O BMX 4/24

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
1,1	1~230	5,4	48	8	24	002186

4 strokes



Pallet of 32 pcs

Spid'O T 412

Power supply (hp)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
2,5	12,5	15	7	1,3	002812

Inlet and outlet Ø 1"1/2.

4 strokes



NEW

Pallet of 12 pcs

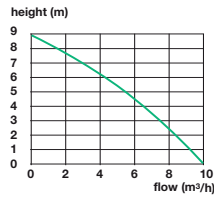
Spid'O T 435

Power supply (hp)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
5,6	25	6	6	3,6	002835

Inlet Ø 1"1/2 and outlet Ø 1"1/2 or Ø 1".



Drainage clear water pump



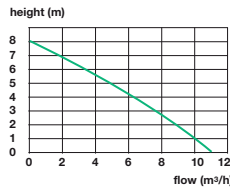
Pallet of 72 pcs

Spid'O Inox EC 170 automatic

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
0,75	1~230	10	9	15	1"1/4 F	002243



Sewage pump



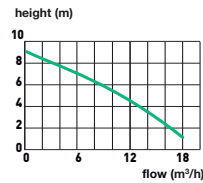
Pallet of 72 pcs

Spid'O Inox ECC 190 automatic

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
0,75	1~230	11	8	45	1"1/2 F	002227



Dirty water pump



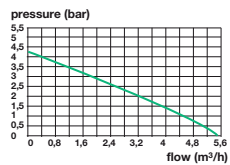
Spid'O Inox EV 300

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,58	1~230	18	9	1"1/2 F	002244

Passing through Ø 35 mm.



Well pump



Pallet of 40 pcs

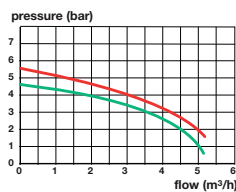
Spid'O B 90/5

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Pump Ø (mm)	Outlet Ø	code
1,1	1~230	5,5	42	10	140	1" F	002508

Includes 10 m rope.



Borehole pumps Ø 4"



Pallet of 40 pcs

— Spid'O Subinox 6 — Spid'O Subinox 7

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Outlet Ø	code
0,8	1~230	5,4	48	20	1"1/4 F	002306
1,1	1~230	5,5	56	20	1"1/4 F	002307

Includes starting panel, electric wire & 20 m rope.

Control panels Micro DSN & Micro DSE, see pages 144 & 145



- Unique and contemporary design
- New packaging for immediate understanding
- Easy installation

NEW



SPRING - Surface pumps & pressurisation set



1. Metal insert for suction and outlet.



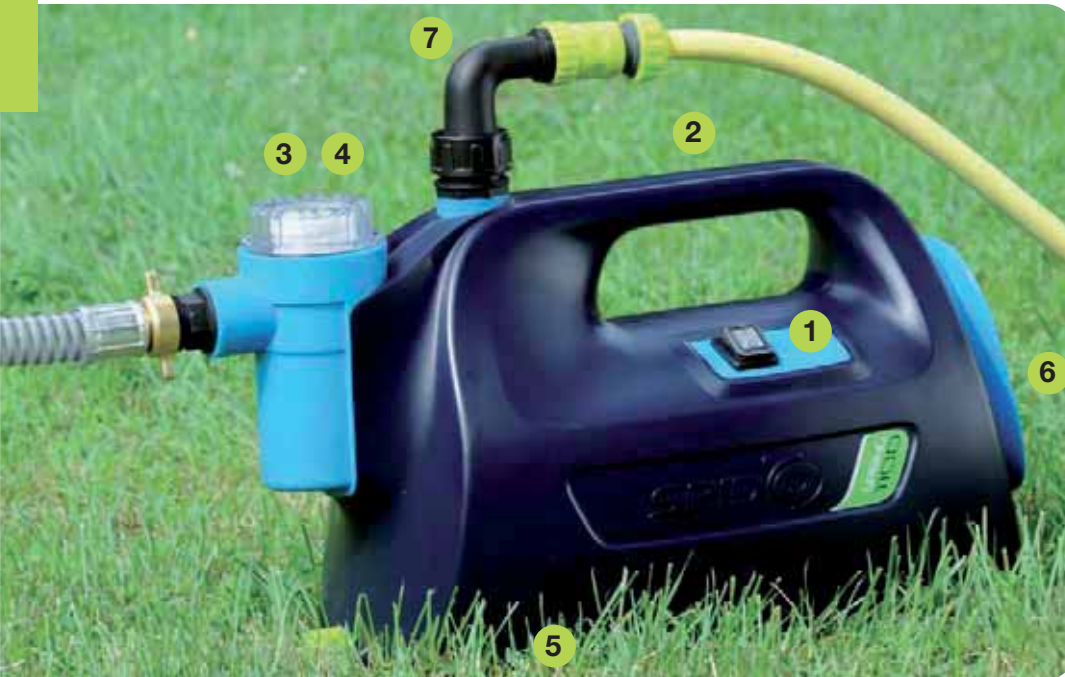
2. Ergonomic handle for more comfort.



3. Built-in filter for a better pump protection.



4. Large and accessible fill-in area: easy and quick starting.



5. Anti-vibration feet: perfect stability and use comfort.



6. Smart and compact reel to fix easily the wire (1,5 m).



7. Easy and quick installation thanks to the fitting.

SPRING 1300



2 program modes: fully automatised watering.



Compatible with a pressostat or a watering programmer.



Lack of water protection: shut-off in case of outlet valve closing.

SPRING 1100/24



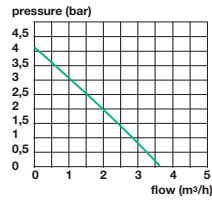
Interchangeable membrane.



Built-in manometer for pressure control.



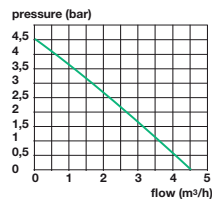
Anti-vibration feet: perfect stability and use comfort.



Pallet of 18 pcs

Spring 900

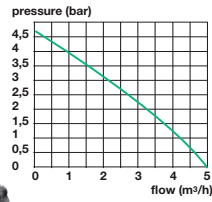
Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
0,9	1~230	3,6	42	8	002070



Pallet of 18 pcs

Spring 1100

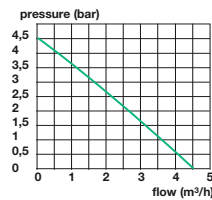
Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
1,1	1~230	4,6	46	8	002071



Pallet of 18 pcs

Spring 1300

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
1,3	1~230	4,6	46	8	002072



Pallet of 8 pcs

Spring 1100/24

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
1,1	1~230	4,6	46	8	24	002171



- Unique and contemporary design
- New packaging for immediate understanding
- Easy installation

NEW



STORM - Drainage & sewage pumps

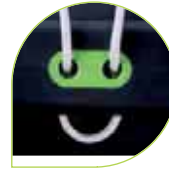
- Vertical outlet and built-in float for easy handling.
- Intuitive and ergonomic design: easy use and easy packing.



- Simple and intuitive accessories: quick and easy installation thanks to the built-in universal fitting.



- For sensor version: adjustable probe with automatic on/off function at the user given water level.



- Convenient: included rope guide.

SPID'O® WHEEL SYSTEM: adjustable suction level device.

- Suction up to 1 mm for clear water and 6 mm for waste water.
- Big particles pump protection in low position: longer life duration.

For each need, turn the wheel:



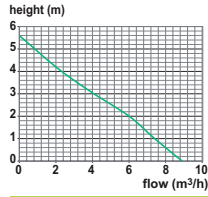
High position wheel:
maximum flow.



Low position wheel:
maximum suction.

	High position wheel	Center position wheel	Low position wheel
Clear water	5 mm	3 mm	1 mm
Waste water	35 mm	20 mm	6 mm

STORM - Drainage & sewage pump

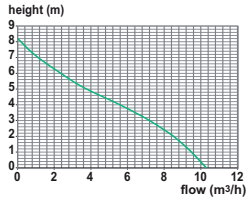


Pallet of 72 pcs

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Outlet	code
Storm CDW 400	0,4	1~230	7	5	5 mm - clear water 25 mm - waste water	1"1/4 002250

Includes built-in float & 3 m rope.

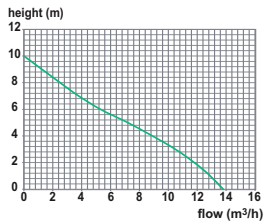
STORM - Drainage clear water pumps



Pallet of 72 pcs

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Max. particles diameter (mm)	Outlet	code
Storm CW 550	0,55	1~230	10	8	1	5	1"1/4 002251

Includes built-in float & 3 m rope.

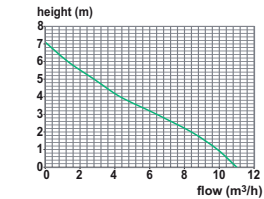


Pallet of 72 pcs

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Max. particles diameter (mm)	Outlet	code
Storm CW 750	0,75	1~230	13	9	1	5	1"1/4 002252

Includes built-in electronic probe & 3 m rope.

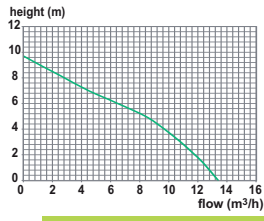
STORM - Sewage pumps



Pallet of 72 pcs

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Max. particles diameter (mm)	Outlet	code
Storm DW 550	0,55	1~230	10	7	6	35	1"1/4 002247

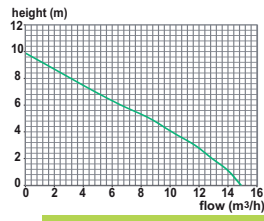
Includes built-in float & 3 m rope.



Pallet of 72 pcs

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Max. particles diameter (mm)	Outlet	code
Storm DW 750	0,75	1~230	12	8	6	35	1"1/4 002248

Includes built-in electronic probe & 3 m rope.



Pallet of 72 pcs

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Max. particles diameter (mm)	Outlet	code
Storm DW 900	0,9	1~230	15	9,5	6	35	1"1/4 002249

Includes built-in electronic probe & 3 m rope.



bulk



blister packaging

ABS plastic quick fittings



Adaptor for nozzle valve

For Ø 15 to 17 mm nozzle

blister code
295301



Male coupling

M3/4"

blister code
295451



Coupling

bulk code	blister code
295904	295901



3 ways junction

bulk code	blister code
295914	295911



Valve nozzle

F1/2"-3/4"
F3/4"-1"

bulk code	blister code
295254	295251
295264	295261



2 ways valve nozzle w/ shut-off valves F1/2"

blister code
295921



Female coupling

Ø 15 mm
Ø 19 mm

bulk code	blister code
295504	295501
295514	295511



Multijet water-hose nozzle

bulk code	blister code
298304	298301



Female coupling w/ aquastop

Ø 15 mm
Ø 19 mm

bulk code	blister code
295604	295601
295614	295611



Multijet water-hose nozzle set + quick fittings

Includes: 1 valve nozzle F1/2"-3/4"
+ 1 quick fitting
+ 1 aquastop quick fitting

for pipe Ø 15 mm
for pipe Ø 19 mm

blister code
298311
298321



Nipple

Ø 15 mm
Ø 19 mm

bulk code	blister code
295704	295701
295714	295711



Multijet gun

Adjustable flow jet
Blocking trigger

bulk code	blister code
298204	298201



Multijet gun

Adjustable direction and flow jet
Blocking trigger
Anti-slip handle

blister code
298211



Multijet gun set + quick fittings

Includes: 1 valve nozzle F 1/2"-3/4"
+ 1 quick fitting
+ 1 aquastop quick fitting
for pipe Ø 15 mm
for pipe Ø 19 mm

blister code
298331
298341



Multijet gun

Adjustable direction and flow jet
Blocking trigger
Anti-slip handle
Metal head

blister code
298221



Spray gun 6 jets

Adjustable flow
Blocking trigger

bulk code	blister code
298104	298101



Spray gun set + quick fittings

Includes: 1 valve nozzle F1/2"-3/4"
+ 1 quick fitting
+ 1 aquastop quick fitting



for pipe Ø 15 mm
for pipe Ø 19 mm

blister code
298351
298361



Spray gun

8 jets
Adjustable flow
Blocking trigger
Anti-slip handle

blister code
298111



Spray gun

7 jets
Adjustable flow
Blocking trigger
Anti-slip handle
Metal head

blister code
298121



Spray gun

8 jets
Adjustable flow
Blocking trigger
Anti-slip handle
Metal head

blister code
298131



90 cm multijet water-hose nozzle

Shower jet

blister code
298501



Adjustable multijet water-hose nozzle

7 jets
90 cm to 135 cm adjustable
Adjustable flow
Anti-slip handle
Adjustable head

blister code
298511



Adjustable multijet water-hose nozzle

7 jets
90 cm to 135 cm adjustable
Adjustable flow
Blocking trigger
Anti-slip handle
Metal adjustable head

blister code
298521



Swinging sprinkler 15 jets (150 m²)

Adjustable swing angle

blister code
298601



Swinging sprinkler 19 jets (220 m²)

Adjustable swing angle
Brass outlets

blister code
298611



3 jets rotary sprinkler

blister code
298641



Sprinkler

blister code
298651

Brass quick fittings

Compatible with ABS plastic quick fittings (of pages 128 & 129).

Adaptor female



Ø	1/2"	3/4"	1"
code	291041	291051	291061

Adaptor male



Ø	3/4"
code	291021

Nipple



Ø	15	19
code	291131	291231

Coupling



Ø	15	19
code	291101	291111

Coupling w/ stop pipe



Ø	15	19
code	291201	291211

Hose coupling nipple



Ø	15	19
code	291301	291311



Water-hose nozzle

code	
	291421



Double connection

code	
	291401



Y junction w/ shut-off valves F3/4"

code	
	291431



Y junction

code	
	291411

Elbow w/ free nut



Ø	1/2"	3/4"
code	291241	291251



Spare gaskets (sold by 10)

code	
	291009

Brass couplings

Hose nozzle



Ø	1"-20	1"-25
code	453056	453057



2 pieces hose nozzle w/ captive gasket

Ø	1/2"-13	3/4"-15	3/4"-19	1"-19	1"-25	1"1/4-30
code	290401	290501	290511	290611	290621	290731



blister packaging

2 pieces elbow



Ø	3/4"-15	1"-19
code	290001	290011



Nipple

Ø	15	19	25
code	294001	294011	294021



Tee

Ø	15	19
code	296001	296011



Y junction w/ shut-off valves F3/4" - M3/4"

code	
	297001



Y junction F3/4" - M3/4"

code	
	297551

3 pieces w/ captive gasket



Ø	1/2"-13	3/4"-15	3/4"-19	1"-15	1"1/4-30
code	292401	292501	292511	292621	292731



Elbow w/free nut

Ø	1/2"-13 to 15	3/4"-15 to 19
code	290101	290201

Hose nozzle



Ø	1/2"-13	3/4"-15	3/4"-19	1"-25	1"1/4-30
code	293401	293501	293511	293621	293731



Hose nozzle

Ø	3/4"-20	1"-25	1"1/4-30
code	263151	263161	263171

Water-hose nozzle



Ø	15	19
code	298001	298021



Spare gaskets (sold by 10)

Ø	1/2"-13	3/4"-15	3/4"-15	1"-19	1"-25	1"1/4-30
code	290139	290159	290199	290209	290259	290309



Plastic couplings

	2 pcs free nut MF1"	code 261061		Fitting M1"1/2 Ø 50 w/ gasket - M1"1/4 Ø 40	code 261081
	Fitting Ø 25-32 - F1"1/4	code 261071		Nipple M1" w/ gasket	code 262061
	Nipple MM1"1/4	code 262071		Elbow MM1" w/ gasket - M3/4" Ø 25	code 262141
	Reduced nipple MM1"1/4 - 1"	code 262671		Elbow Ø 25 w/ gasket - M1"1/4	code 262151
	Reduced nipple MM1" - 1/2"	code 262661		Elbow Ø 30 w/ gasket - M1"1/4	code 262161
	3 ways M1" w/ gasket - F1" - F3/4"	code 261001		Elbow w/ gasket - MM1"1/4	code 262171
	Elbow F1" - M3/4" Ø 25	code 261011		Elbow M1"1/2 - F1"1/2 w/ gasket	code 262181
	Fitting FM1"1/4 Ø 38 - M3/4" Ø 25	code 261021		Check valve MM1"	code 262461
	Fitting MM1" Ø 25 - M3/4" Ø 19	code 261041		Check valve FM1"	code 262561

Gear clamps

	Stainless steel endless worm 8 mm wide, 3 m long & 8 heads, Ø 9 to 18 mm 13 mm wide, 3 m long & 6 heads, Ø 24 mm	code 299101 299111		PTFE band (sold by 10) 12 m long, 12 mm wide, 0,075 mm thick.	code 262204
	Zinc plated carbon steel 9 mm - Plain worm (sold by 2)			packaging	
	Stainless steel 9 mm - Plain worm (sold by 2)				
	Stainless steel 12 mm - Plain worm (sold by 2)			Zinc plated carbon steel 9 mm with tightened key - Plain worm (sold by 2)	
	Stainless steel double thread (sold by 2)				

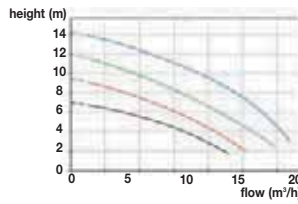


water technology

DESIGN BY
pininfarina

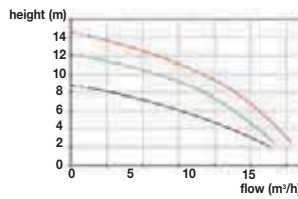


Drainage pumps



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
— DR Blue 40 automatic	0,30	1~230	2,3	10,8	7	77	1"1/4 F	137004
— DR Blue 50 automatic	0,37	1~230	2,8	14,4	9,5	77	1"1/4 F	137005
— DR Blue 75 automatic	0,55	1~230	4,1	14,4	12	77	1"1/4 F	137007
— DR Blue 100 automatic	0,75	1~230	5,6	18	14,2	77	1"1/4 F	137010

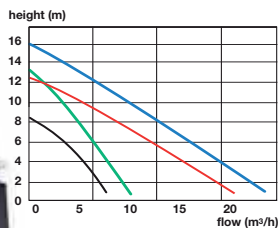
Max. particles 7 mm - Includes 10 m wire.



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
— DR Blue Pro 50 automatic	0,37	1~230	2,8	14,4	8,7	77	1"1/4 F	137205
— DR Blue Pro 75 automatic	0,55	1~230	4,1	14,4	12,3	77	1"1/4 F	137207
— DR Blue Pro 75 T	0,55	3~400	1,6	14,4	12,3	77	1"1/4 F	137208
— DR Blue Pro 100 automatic	0,75	1~230	5,6	18	14,6	77	1"1/4 F	137210
— DR Blue Pro 100 T	0,75	3~400	2,2	18	14,6	77	1"1/4 F	137211

Max. particles 15 mm - Includes 10 m wire.

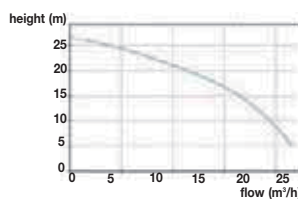
NEW



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Passing through (mm)	Outlet Ø	code
— DR-Steel 25 M automatic	0,25	1~230	2,3	7,2	8,5	10	1"1/4 F	137608
— DR-Steel 37 M automatic	0,37	1~230	3,1	9	13,6	10	1"1/4 F	137610
— DR-Steel 55 M automatic	0,55	1~230	4,3	18,1	12,4	12	1"1/2 F	137612
— DR-Steel 75 M automatic	0,75	1~230	5,6	19,9	16	12	1"1/2 F	137614
— DR-Steel 75 T	0,75	3~400	2,4	19,9	16	12	1"1/2 F	137616

Max. particles 12 mm - Includes 10 m wire.

- 1 Stainless steel 304 handle.
- 2 Stainless steel 420 shaft.
- 3 Cooling system: consistent performance even if the pump is only partly in water.
- 4 Triple mechanical gland pack: double gland pack in oil chamber with edible oil lubrication; v-ring in direct contact liquid.
- 5 Stainless steel 304 strainer: minimum 5 mm suction level thanks to a specially designed mounting.
- 6 Stainless steel 304 wheel.
- 7 Stainless steel 304 body.

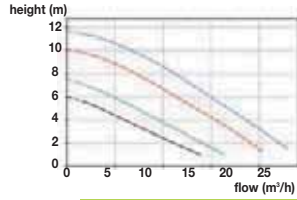


	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
AP Blue Pro 200 automatic	1,5	1~230	10	25,2	26,6	1"1/2 F	137431
AP Blue Pro 200 T	1,5	3~400	4,3	25,2	26,6	1"1/2 F	137435

Max. particles 6 mm - Includes 10 m wire.

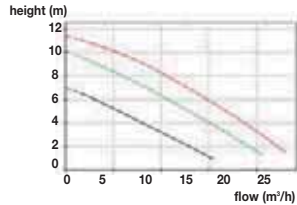
For non automatic pumps: - control panels, see pages 144 & 145
- level switches, see page 150

Dirty water pumps



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
— DG Blue 40 automatic	0,3	1~230	2,3	14,4	6	122	1"1/2 F	137104
— DG Blue 50 automatic	0,37	1~230	2,8	18	7,6	122	1"1/2 F	137105
— DG Blue 75 automatic	0,55	1~230	4,1	21,6	10,1	122	1"1/2 F	137107
— DG Blue 100 automatic	0,75	1~230	5,6	25,2	11,6	122	1"1/2 F	137110

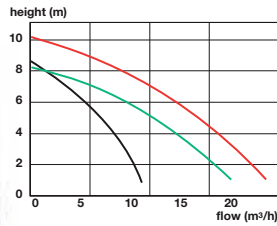
Passing through Ø 40 mm - Includes 10 m wire.



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
— DG Blue Pro 50 automatic	0,37	1~230	2,8	18	7	122	1"1/2 F	137305
— DG Blue Pro 75 automatic	0,55	1~230	4,1	21,6	10,2	122	1"1/2 F	137307
— DG Blue Pro 75 T	0,55	3~400	1,6	21,6	10,2	122	1"1/2 F	137308
— DG Blue Pro 100 automatic	0,75	1~230	5,6	25,2	11,4	122	1"1/2 F	137310
— DG Blue Pro 100 T	0,75	3~400	2,2	25,2	11,4	122	1"1/2 F	137311

Passing through Ø 40 mm - Includes 10 m wire.

NEW



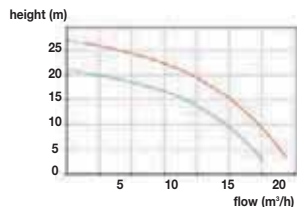
	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Passing through (mm)	Outlet Ø	code
* — DG-Steel 37 M automatic	0,37	1~230	3,1	10,8	8,7	25	1"1/4 F	137600
— DG-Steel 55 M automatic	0,55	1~230	4,3	19,9	8,1	40	1"1/2 F	137602
— DG-Steel 75 M automatic	0,75	3~400	5,6	21,7	10	40	1"1/2 F	137604
— DG-Steel 75 T	0,75	1~230	2,3	21,7	10	40	1"1/2 F	137606

Includes 10 m wire.

* Sewage only.

- 1 Stainless steel 304 handle.
- 2 Stainless steel 420 shaft.
- 3 Cooling system: consistent performance even if the pump is only partly in water.
- 4 Triple mechanical gland pack: double gland pack in oil chamber with edible oil lubrication; v-ring in direct contact liquid.

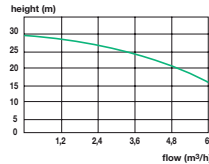
- 5 Stainless steel 304 strainer: minimum 5 mm suction level thanks to a specially designed mounting.
- 6 Stainless steel 304 wheel.
- 7 Stainless steel 304 body.



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
* — GR Blue Pro 150 M	1,1	1~230	7,5	18	21,1	1"1/2 F	137520
* — GR Blue Pro 150 M automatic	1,1	1~230	7,5	18	21,1	1"1/2 F	137521
— GR Blue Pro 150 T	1,1	3~400	3,2	18	21,1	1"1/2 F	137525
— GR Blue Pro 150 T automatic	1,1	3~400	3,2	18	21,1	1"1/2 F	137526
* — GR Blue Pro 200 M	1,5	1~230	10	18	27	1"1/2 F	137530
* — GR Blue Pro 200 M automatic	1,5	1~230	10	18	27	1"1/2 F	137531
— GR Blue Pro 200 T	1,5	3~400	4,3	18	27	1"1/2 F	137535
— GR Blue Pro 200 T automatic	1,5	3~400	4,3	18	27	1"1/2 F	137536

With delicerator system (to cut organic particles) - Includes 10 m wire.

* Includes starting panel.



Drainage pumps - High-head

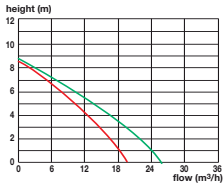
- * Semisom 130 H automatic
- * Semisom 130 H M
- Semisom 130 H T

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
Semisom 130 H automatic	1,1	1~230	7,6	6	30	1"1/2 F	132001
Semisom 130 H M	1,1	1~230	7,6	6	30	1"1/2 F	132002
Semisom 130 H T	1,1	3~400	2,9	6	30	1"1/2 F	132005

Max. particles 5 mm - Includes 10 m wire.

* Includes starting panel.

Dirty water pumps



NEW

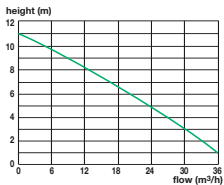


- Semisom 265 automatic vertical outlet
- Semisom 290 automatic horizontal outlet
- * Semisom 290 M + SP horizontal outlet
- Semisom 290 M horizontal outlet
- Semisom 290 T horizontal outlet
- Semisom 290 T automatic horizontal outlet

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Semisom 265 automatic vertical outlet	0,55	1~230	4,2	12	8	200	1"1/2 F	132038
Semisom 290 automatic horizontal outlet	0,55	1~230	4,2	12	8	200	1"1/2 F	136039
Semisom 290 M + SP horizontal outlet	0,55	1~230	4,2	12	8	200	1"1/2 F	136040
Semisom 290 M horizontal outlet	0,55	1~230	4,2	12	8	200	1"1/2 F	136050
Semisom 290 T horizontal outlet	0,55	3~400	1,7	12	8	200	1"1/2 F	136045
Semisom 290 T automatic horizontal outlet	0,55	3~400	1,7	12	8	200	1"1/2 F	136047

Passing through Ø 40 mm for 265 & Ø 50 mm for 290 - Includes 10 m wire.

* Includes starting panel.



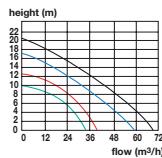
NEW



- Semisom 490 automatic vertical outlet
- Semisom 490 automatic horizontal outlet
- Semisom 490 M + SP horizontal outlet
- Semisom 490 M horizontal outlet
- Semisom 490 T horizontal outlet
- Semisom 490 T automatic horizontal outlet

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Semisom 490 automatic vertical outlet	1,1	1~230	7,3	29	10	200	2" F	136073
Semisom 490 automatic horizontal outlet	1,1	1~230	7,3	29	10	200	2" F	136079
Semisom 490 M + SP horizontal outlet	1,1	1~230	7,3	29	10	200	2" F	136075
Semisom 490 M horizontal outlet	1,1	1~230	7,3	29	10	200	2" F	136081
Semisom 490 T horizontal outlet	1,1	3~400	2,7	29	10	200	2" F	136076
Semisom 490 T automatic horizontal outlet	1,1	3~400	2,7	29	10	200	2" F	136071

Passing through Ø 50 mm - Includes 10 m wire.

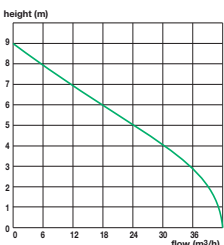


- * - Semisom 500/50 M
- Semisom 500/50 T
- * - Semisom 800/50 M
- Semisom 800/50 T
- * - Semisom 900/50 M
- Semisom 900/50 T
- Semisom 1000/50 T

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Semisom 500/50 M	1,1	1~230	9,2	30	9,5	275	2" F	132100
Semisom 500/50 T	1,1	3~400	3,3	30	9,5	275	2" F	132105
Semisom 800/50 M	1,5	1~230	11,4	30	12	275	2"1/2 F	132110
Semisom 800/50 T	1,5	3~400	4	30	12	275	2"1/2 F	132115
Semisom 900/50 M	1,5	1~230	11,4	48	16	275	2"1/2 F	132120
Semisom 900/50 T	1,5	3~400	4	48	16	275	2"1/2 F	132125
Semisom 1000/50 T	2,2	3~400	5,9	54	19,5	275	2"1/2 F	132135

Passing through Ø 50 mm - Includes 10 m wire.

* Includes starting panel.

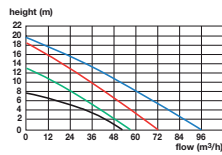


- * Semisom 650 M
- Semisom 650 T
- Semisom 650 T automatic

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Semisom 650 M	1,5	1~230	12	36	8,5	275	2"1/2 F	132082
Semisom 650 T	1,5	3~400	4,6	36	8,5	275	2"1/2 F	132075
Semisom 650 T automatic	1,5	3~400	4,6	36	8,5	275	2"1/2 F	132076

Passing through Ø 65 mm - Includes 10 m wire.

* Includes starting panel.

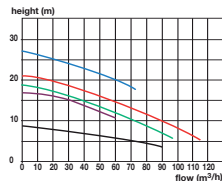


- * — Semisom 754/65 M
- Semisom 754/65 T
- Semisom 1100/65 T
- Semisom 1300/65 T
- Semisom 1500/65 T

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
* — Semisom 754/65 M	1,2	1~230	7,7	42	7,3	275	3" F	132140
— Semisom 754/65 T	1,2	3~400	3,3	42	7,3	275	3" F	132145
— Semisom 1100/65 T	2,2	3~400	6	48	12	275	3" F	132155
— Semisom 1300/65 T	3,4	3~400	8,1	54	17	275	3" F	132165
— Semisom 1500/65 T	3,4	3~400	9	78	17,5	275	3" F	132175

Passing through Ø 65 mm - Includes 10 m wire.

* Includes starting panel.



- Semisom 1504/80 T
- Semisom 1055/80 T
- Semisom 1675/80 T
- Semisom 2100/80 T
- Semisom 1200/80 T

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
— Semisom 1504/80 T	2,6	3~400	8,1	84	8,7	275	3" F	132895
— Semisom 1055/80 T	4,1	3~400	9,2	60	16,5	275	3" F	132805
— Semisom 1675/80 T	5,5	3~400	12	96	18,3	275	3" F	132845
— Semisom 2100/80 T	7,5	3~400	16	120	20,1	275	3" F	132885
— Semisom 1200/80 T	7,5	3~400	16	72	25,7	275	3" F	132865

Passing through Ø 74 mm - Includes 10 m wire.

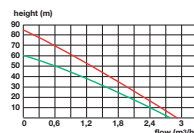


Fork hook for Semisom 80	code	455028
Foot pad for Semisom 80	code	455029
Discharge flange for Semisom 80	code	455035



For non automatic pumps: - control panels, see pages 144 & 145
- level switches, see page 150

Well pumps

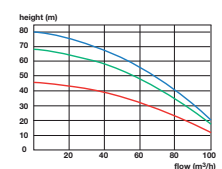


- * — Turbosom 57 M
- * — Turbosom 77 M
- * — Turbosom 77 T

	Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Pump Ø (mm)	Outlet Ø	code
* — Turbosom 57 M	0,55	1~230	2,4	60	10	136	1" F	151020
* — Turbosom 77 M	0,75	1~230	2,4	84	10	136	1" F	151030
* — Turbosom 77 T	0,75	3~400	2,4	85	10	136	1" F	151035

Supplied with 15 m electric wire and 15 m rope.

* Includes starting panel.



- * — SRM 4/100 automatic
- * — SRM 4/100 M
- * — SRM 6/100 automatic
- * — SRM 6/100 M
- * — SRM 6/100 T
- * — SRM 7/100 automatic
- * — SRM 7/100 M
- * — SRM 7/100 T

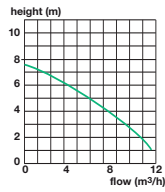
	Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Pump Ø (mm)	Outlet Ø	code
* — SRM 4/100 automatic	0,65	1~230	6	46	30	130	1"1/4 F	150603
* — SRM 4/100 M	0,65	1~230	6	46	30	130	1"1/4 F	150602
* — SRM 6/100 automatic	0,95	1~230	6	69	30	130	1"1/4 F	150609
* — SRM 6/100 M	0,95	1~230	6	69	30	130	1"1/4 F	150608
* — SRM 6/100 T	0,95	3~400	6	69	30	130	1"1/4 F	150610
* — SRM 7/100 automatic	1,2	1~230	6	80	30	130	1"1/4 F	150612
* — SRM 7/100 M	1,2	1~230	6	80	30	130	1"1/4 F	150611
* — SRM 7/100 T	1,2	3~400	6	80	30	130	1"1/4 F	150613

Supplied with 15 m electric wire and 15 m rope.

* Includes starting panel.



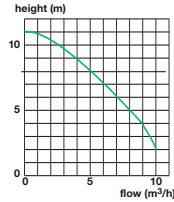
Drainage pumps



Oma 2

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,15	1~230	1,6	10	7,5	1"1/4 F	133096

Max. particles 10 mm - Includes 10 m wire.

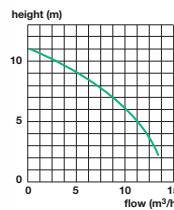


LSC1-4S

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,48	1~230	2,9	10	11	1" F	133100

For complete drying surface - Max. particles 6 to 1 mm - Includes 10 m wire, gear clamp & 25 mm fitting.

NEW

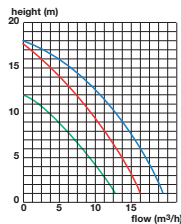


LB-480 A

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,48	1~230	2,9	13	11	2" M	133107

Max. particles 6 mm.

Sandy & muddy water pumps



HS2-4S

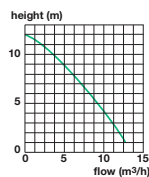
HS2-75S **NEW**

HS3-75S

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,4	1~230	2,6	11	12	2" M	133101
0,75	1~230	4,6	13	18	2" M	133106
0,75	1~230	4,6	18	18	3" M	133102

Max. particles 7 mm - Includes 10 m wire.

NEW

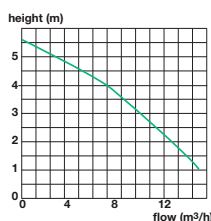


HS2-4S set

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,4	1~230	2,6	11	12	2" M	133103

Max. particles 7 mm - Includes HS2-4S pump, 20 m pipe Ø 20 mm & case - Dimension (mm): L 58 x l 28 x H 43.

Sewage pump



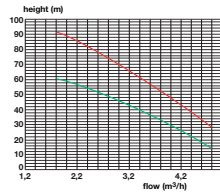
Poma

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,15	1~230	1,6	12,5	6	2" F	133097

Max. particles 35 mm - Includes 10 m wire.

For non automatic pumps: - control panels, see pages 144 & 145
- level switches, see page 150

Made in Germany - TW SUB 50/11 M & T supplied with 30 m electric wire & 30 m nylon rope - TW SUB 50/16 M & T supplied with 40 m electric wire & 40 m nylon rope.



- * TW SUB 50/11 M
- * TW SUB 50/11 T
- * TW SUB 50/16 M
- * TW SUB 50/16 T

Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Outlet Ø	code
0,75	1~230	4,2	68	1"1/4 F	151619
0,75	3~400	4,2	68	1"1/4 F	151628
1,1	1~230	4,2	104	1"1/4 F	151629
1,1	3~400	4,2	104	1"1/4 F	151638

* Includes starting panel.

Set for borehole or well domestic installation

1500 to 3000 l/h flow for 4 to 5 people water use & 1000 m² watering.

30 m maximum depth

Water level	Flow
15 m	1500 l/h at 4 bar - 3000 l/h at 3 bar
20 m	1500 l/h at 3,5 bar - 3000 l/h at 2,5 bar
25 m	1500 l/h at 3 bar - 3000 l/h at 2 bar

- ① Pump 1~230 V (TW SUB 50/11 M)
 - ② Includes starting panel, 30 m wire & 30 m rope
 - ③ Control panel MICRO DSE 230 V
- or**
- ① Pump 3~400 V (TW SUB 50/11 T)
 - ② Includes 30 m wire & 30 m rope
 - ③ Control panel MICRO DSN 230 V & 400 V

code
151619
471511
151628
471050JE

- +**
- ④ Vertical tank 100 l
 - ⑤ Pressure switch XMP 6 PM
 - ⑥ Manometer 0-6 bar
 - ⑦ Check valve 1"1/4

code
309100
412506
413106
305007

40 m maximum depth

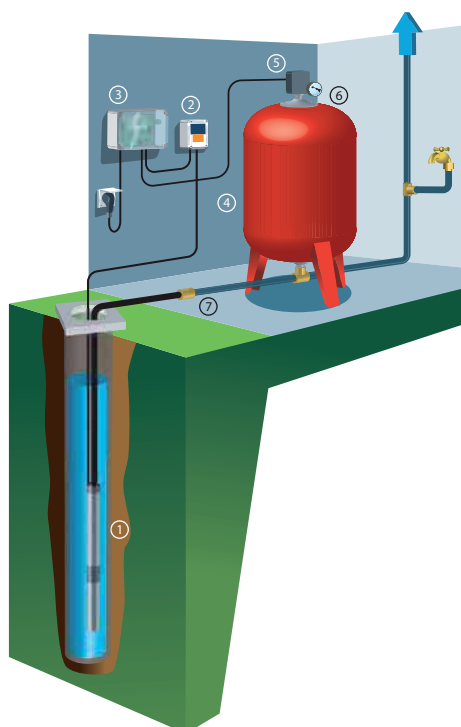
Water level	Flow
25 m	3000 l/h at 4,5 bar - 3500 l/h at 3 bar
30 m	3000 l/h at 4 bar - 3500 l/h at 2,5 bar
40 m	3000 l/h at 3 bar - 3500 l/h at 1,5 bar

- ① Pump 1~230 V (TW SUB 50/16 M)
 - ② Includes starting panel, 40 m wire & 40 m rope
 - ③ Control panel MICRO DSE 230 V
- or**
- ① Pump 3~400 V (TW SUB 50/16 T)
 - ② Includes 40 m wire & 40 m rope
 - ③ Control panel MICRO DSN 230 V & 400 V

code
151629
471511
151638
471050JE

- +**
- ④ Vertical tank 200 l
 - ⑤ Pressure switch XMP 6 PM
 - ⑥ Manometer 0-6 bar
 - ⑦ Check valve 1"1/4

code
309200
412506
413106
305007



Tanks, see pages 146 & 147



Pressure switches, see page 149



Manometers, see page 152



Control panels, see pages 144 & 145



Check valves, see page 200



Self-priming pumps



DAB

Jet 82 M
Jet 82 T
Jet 102 M
Jet 102 T
Jet 112 M
Jet 112 T
Jet 132 M
Jet 132 T

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
0,6	1~230	3,8	3,6	47	8	016080
0,6	3~400	1,6	3,6	47	8	016085
0,75	1~230	5,1	3,6	54	8	016100
0,75	3~400	1,9	3,6	54	8	016105
1	1~230	6,2	3,6	60	8	016112
1	3~400	2,5	3,6	60	8	016113
1	1~230	6,6	4,8	48	8	016132
1	3~400	2,7	4,8	48	8	016133



DAB

Jet 151 M
Jet 151 T
Jet 251 M
Jet 251 T

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
1,1	1~230	7,2	4,2	58	8	010150
1,1	3~400	3	4,2	58	8	010155
1,85	1~230	10	7,2	60	8	010250
1,85	3~400	4	7,2	60	8	010255



DAB

Euro Inox 30/30 M
Euro Inox 30/30 T
Euro Inox 30/50 M
Euro Inox 30/50 T
Euro Inox 40/50 M
Euro Inox 40/50 T

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
0,45	1~230	3,2	3,3	46,0	8	030080
0,45	3~400	1,3	3,3	46,0	8	030085
0,55	1~230	3,9	4,8	42,2	8	030100
0,55	3~400	1,6	4,8	42,2	8	030105
0,75	1~230	5,3	4,8	57,7	8	030110
0,75	3~400	2,2	4,8	57,7	8	030115



DAB

Multi Inox 3M
Multi Inox 4M
Multi Inox 5M

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	code
0,55	1~230	3,7	3,6	34,0	8	030163
0,75	1~230	4,5	5	46,0	8	030164
1	1~230	5,5	5	58,0	8	030165

With stainless steel 304 impellers.

Peripheral pumps



DAB

KPS 30/16 M
KPS 30/16 T

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
0,3	1~230	2	1,8	32,5	031090
0,3	3~400	0,9	1,8	32,5	031095

Pressurisation sets



DAB

Aquajet 82/24 M

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
0,6	1~230	3,8	3,6	47	8	24	201104

Supplied not mounted.



DAB

Aquajet 82/20 M
Aquajet 102/20 M
Aquajet 102/60 M

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. suction (m)	Tank (l)	code
0,6	1~230	3,8	3,6	47	8	20	201029
0,75	1~230	5,1	3,6	54	8	20	201032
0,75	1~230	5,1	3,6	54	8	60	201026

Supplied mounted.

Drainage pumps



	Power supply (kW)	Voltage (V-50Hz)	Amp.	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Tallas ACI 200 automatic	0,6	1-230		11,5	9	3	1" 1/4 M	002216

Max. particles 5 mm - Includes 10 m wire.



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Nova 180 automatic	0,22	1-230	1,1	5	5	77	25 mm	131009
Nova 300 automatic	0,22	1-230	1,5	9	7,1	85	1"1/4 F	131020

Max. particles 5 mm - Includes 5 m wire.



NEW



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Nova-up 600 automatic	0,52	1-230	3,4	13	9,8	150	1"1/4 M	131090

Max. particles 5 mm - Includes 10 m wire - Vertical outlet.



Sewage pump



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Min. suction level (mm)	Outlet Ø	code
Feka 600 automatic	0,55	1-230	4,3	12	7,4	175	1"1/4 F	131100

Passing through 25 mm - Includes 5 m wire.

Well pumps



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Pump Ø (mm)	Outlet Ø	code
Tallas SA 60/4	1,1	1-230	4,3	5,4	48	15	140	1" F	002512

Includes 15 m wire.



	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Pump Ø (mm)	Outlet Ø	code
Diva SE 60/4	1,2	1-230	3,9	5,7	48	15	140	1" F	002513

Built-in automatic device with lack of water protection & check valve - Includes 15 m wire.

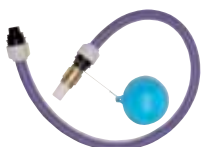


	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	Max. submersion depth (m)	Pump Ø (mm)	Outlet Ø	code
Divertron 1000	0,55	1-230	3,8	4,2	34	15	150	1" F	152599
Divertron 1000-X	0,55	1-230	3,8	4,2	34	15	150	1" F	152600
Divertron 1200	0,75	1-230	4,8	4,2	43	15	150	1" F	152601
Divertron 1200-X	0,75	1-230	4,8	4,2	43	15	150	1" F	152602

Built-in automatic device with lack of water protection & check valve - Includes 15 m wire.

* For connection to rain water collecting tank.

1000-X
1200-X



Suction set for rainwater collecting tank

Includes strainer basket & floating ball.

Length (m)	code
1,5	355253
3	355237

Lifting stations

Sewage & dirty water lifting stations

With foot peg and guide bars - According to European Standard EN 12050-1.

Indoor & outdoor installation

1 pump

Entombable 270 l polyethylene tank - 12 screws closing cover - DSD guide bar device - 100 mm PVC inlet, 63 mm PVC outlet, 50 mm PVC aerator, 50 mm PVC wire outlet, 2 gland packs - Dimension (mm): L 800 x l 640 x H 940 - SEMISOM 290 automatic or 490 automatic pump, 1~230V-50Hz, with Vortex impeller, 10 m wire, passing through Ø 50 mm - 1 mounted 2" PVC ball check valve.

	Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Tank (l)	code
Fekafos DSD 270/290 automatic	0,55	1~230	12	8	270	146100
Fekafos DSD 270/490 automatic	0,55	1~230	27	10,5	270	146110



NEW

2 pumps

Entombable 270 l polyethylene tank - 12 screws closing cover - DSD guide bar device - 100 mm PVC inlet, 63 mm PVC outlet, 63 mm PVC aerator, 50 mm PVC wire outlet - Dimension (mm): L 800 x l 640 x H 940 - DR2P control panel for 2 pumps to be mounted at installation - 2 level controls for pumps - 2 SEMISOM 290 pumps, 1~230V-50Hz, with Vortex impeller, 10 m wire, passing through Ø 50 mm - 2 mounted 2" cast iron ball check valves.

	Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Tank (l)	code
Bifos DR2P 270/290 M	0,55	1~230	12	8	270	146150



NEW

Extension for DSD & DR2P

300 mm height - Includes bolts & screws.

code
453018



NEW

Outdoor installation

Entombable 270 l polyethylene tank - Ø 585 mm cover - 1/4 turn cover - Screws locking - DSD guide bar device - Foot peg welding without drilling - 2" cast iron check valve, 2" PVC valve - 180° inlet water from 200 to 500 mm, thanks to supplied drilling set - 100 mm PVC inlet, 63 mm PVC outlet, 50 mm PVC aerator, wire outlet - Dimension (mm): L 785 x l 590 x H 1025 - SEMISOM 290 automatic or 490 automatic pump, 1~230V-50Hz, with Vortex impeller, 10 m wire & control panel, passing through Ø 50 mm.

	Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	Tank (l)	code
Fekafos Enter 271/290 automatic	0,55	1~230	12	8	270	146050
Fekafos Enter 271/490 automatic	1,1	1~230	29	10	270	146052



Drilling area for inlet

Extension for Enter

Height (mm)	code
200	452991
400	452992



Accessories

Sawing set DN100

Includes hole saw, gasket & cap.

code
453067

Sawing set DN110

Includes Ø 114 mm hole saw, Ø 100 PVC elbow & gasket.

code
412619

Connection set PVC 110/100

Includes FF Ø 110 nipple, M Ø 110 - F Ø 100 reduced nipple & 110 mm PVC Ø 100.

code
453117

NEW



Wastewater lifting stations



According to european standard EN 12050-2.

Complete set for wastewater (after treated water station or vertical drained sand filter)

Ø 600 entombable high density polyethylene tank - 1/4 turn closing cover - 100 mm PVC inlet, 1"1/4 male threaded outlet, 50 mm PVC aerator, 50 mm PVC wire outlet - DR Steel 37 pump, 1~230V-50Hz, passing through - Ø 10 mm - 1"1/4 mounted ball check valve - 1"1/4 valve.



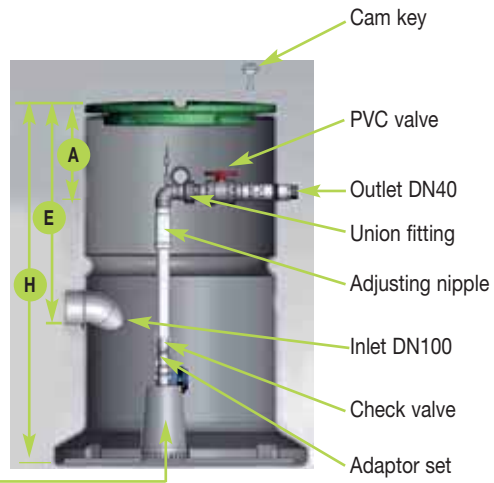
NEW

- Altibox CE 650/600**
- Altibox CE 850/600**
- Altibox CE 1100/600**
- Altibox CE 1400/600**
- Altibox CE 1850/600**
- Altibox CE 2500/600**

Tank (l)	H (mm)	E (mm)	A (mm)	Max. flow (m³/h)	Max. height (mm)	code
170	650	200	175	9	13,8	131540
210	850	400	270	9	13,8	131541
300	1100	660	270	9	13,8	131542
360	1400	950	270	9	13,8	131543
480	1850	1400	270	9	13,8	131544
650	2500	2050	270	9	13,8	131545



Stainless steel DR Steel 37 pump



Outlet flexible hose 1"1/4

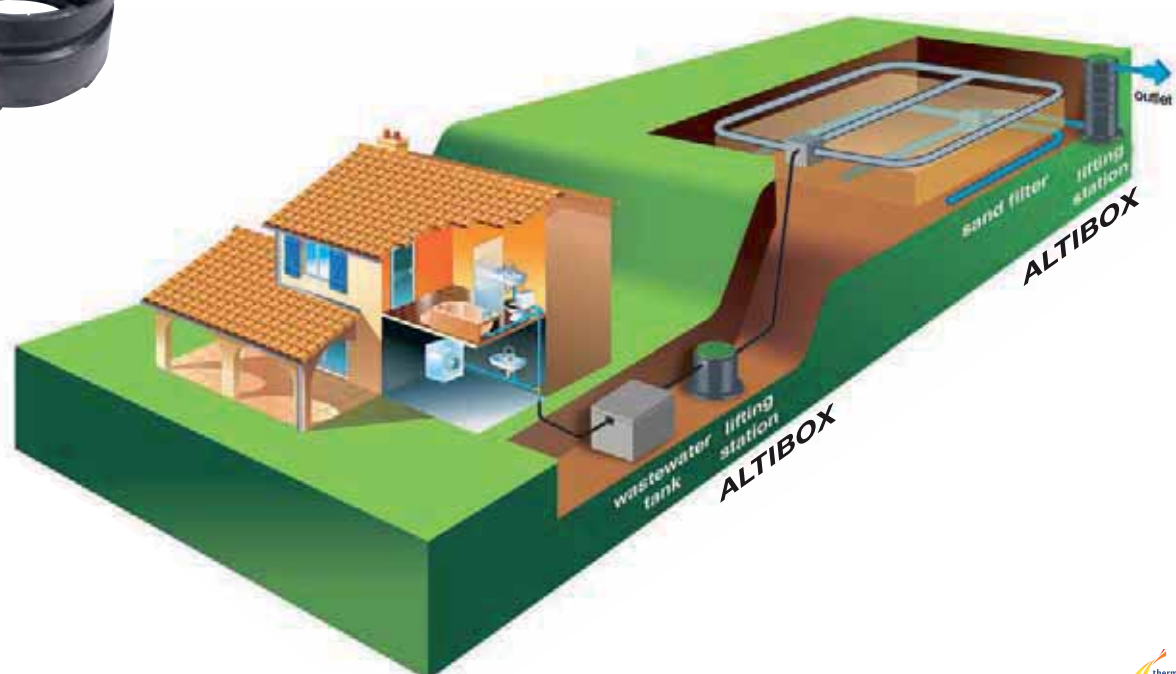
code	453135
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Extension for Altibox 600

300 m height - 3 waves closing.

code	452999
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Swimming pool pumps



NEW

SPID'O

	Power supply (kW)	Voltage (V-50Hz)	Max. flow (m³/h)	Max. height (m)	code
PC 300	0,3	1~230	7	10	002960

For aboveground pool (10 to 40 m³).



NEW

SPID'O

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
PC 500	0,5	1~230	2	9	10	002961

For 40 to 70 m³ pool.



NEW

SPID'O

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
PC 800	0,8	1~230	3,2	15	35	002962

For more than 70 m³ pool.



KIPSOL

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
Ondina OK 33 M	0,25	1~230	1,8	10	10	110800
Ondina OK 50 M	0,37	1~230	2,6	11,5	12	110810
Ondina OK 75 M	0,55	1~230	3,8	14,5	14	110820
Ondina OK 100 M	0,75	1~230	4,7	20,5	14	110830



KIPSOL

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
Delfino KS 50 M	0,37	1~230	2,7	14,5	12	110500
Delfino KS 75 M	0,55	1~230	3,5	16	14	110750
Delfino KS 75 T	0,55	3~400	1,4	16	14	110755
Delfino KS 100 M	0,75	1~230	4,7	21,5	16	110100
Delfino KS 100 T	0,75	3~400	1,9	21,5	16	110105
Delfino KS 150 M	1,1	1~230	6,3	27,5	18	110150
Delfino KS 150 T	1,1	3~400	2,5	27,5	18	110155
Delfino KS 200 M	1,5	1~230	8,5	32	18	110200
Delfino KS 200 T	1,5	3~400	3,2	32	18	110205
Delfino KS 300 M	2,2	1~230	12,5	36,5	18	110300
Delfino KS 300 T	2,2	3~400	5,0	36,5	18	110305



PVC union fitting 3"- 50 for KS 50-75-100
PVC union fitting 3"- 63 for KS 150-200-300

code
453113
453114



DAB

Jetcom SP 102 M	0,75	1~230	5,1	3,6	54	016102
Eurocom SP 30/50 M	0,55	1~230	3,9	4,2	42,2	036441
Eurocom SP 30/50 T	0,55	3~400	1,6	4,2	42,2	036442
Euocom SP 40/50 M	0,75	1~230	5,3	4,8	57,7	036451
Euocom SP 40/50 T	0,75	3~400	2,2	4,8	57,7	036452

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
0,75	1~230	5,1	3,6	54	016102
0,55	1~230	3,9	4,2	42,2	036441
0,55	3~400	1,6	4,2	42,2	036442
0,75	1~230	5,3	4,8	57,7	036451
0,75	3~400	2,2	4,8	57,7	036452



DAB

Nova salt automatic

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
0,2	1~230	1,3	7	6	131050

For swimming pool & salty water.



Stream swimming pool pumps



KA 250 B	1,85	1~230	12,4	54	14	112250
KA 300 B	2,2	3~400	5,1	60	16	112305
KA 350 B	2,6	3~400	6	86	16	112355
KA 550 B	4	3~400	8	102	18	112555

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
1,85	1~230	12,4	54	14	112250
2,2	3~400	5,1	60	16	112305
2,6	3~400	6	86	16	112355
4	3~400	8	102	18	112555



Swimming pool filtration



Sevilla 33 M

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Flow (m³/h)	Sand (kg)	code
0,25	1~230	1,8	4 to 7	50	115050



Toledo 75 M

Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Flow (m³/h)	Sand (kg)	code
0,55	1~230	3,8	9 to 13	100	115075



Bahia 450	8	70	Delfino KS 50	512450
Bahia 520	10	100	Delfino KS 75	512520
Bahia 640	15	150	Delfino KS 100	512640
Bahia 760	22	230	Delfino KS 150 or 200	512760
Bahia 900	30	325	Delfino KS 300	512900

Flow (m³/h)	Sand (kg)	Corresponding pump	code
8	70	Delfino KS 50	512450
10	100	Delfino KS 75	512520
15	150	Delfino KS 100	512640
22	230	Delfino KS 150 or 200	512760
30	325	Delfino KS 300	512900



Multiways valve

Fitting set

Multiways valve - 6 positions - 1"1/2	513006JE
Multiways valve - 6 positions - 2"	513007JE
Fitting set for 1"1/2 valve	513106
Fitting set for 2" valve	513107
Cap screwkey	550300

code
513006JE
513007JE
513106
513107
550300

Transfer pumps



Liquid transfer pumps

For clear water, salty water, wine, vinegar, milk.



BE - M 20
BE - M 25
BE - M 30
BE - T 30
BE - M 40
BE - T 40
BE - M 50
BE - T 50

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. height (m)	code
BE - M 20	0,34	1~230	1,8	27	20	093020
BE - M 25	0,71	1~230	3,3	40	14	093025
BE - M 30	0,8	1~230	3,7	76	14	093030
BE - T 30	0,8	3~400	1,5	76	14	093035
BE - M 40	0,95	1~230	4	116	20	093040
BE - T 40	1	3~400	3	116	20	093045
BE - M 50	2,1	1~230	11	202	24	093050
BE - T 50	1,9	3~400	5,1	202	24	093055



Marina 20 - 12V
Marina 20 - 24V

	Power supply (kW)	Voltage	Amp. (A)	Max. flow (l/mn)	Max. height (m)	code
Marina 20 - 12V	0,35	12V DC	25	27	18	093070
Marina 20 - 24V	0,35	24V DC	13	27	18	093080

NEW



Novax - 20B

	Power supply (kW)	Voltage	Amp. (A)	Max. flow (l/mn)	Max. height (m)	code
Novax - 20B	0,34	1~230	1,8	27	20	093058

Drill 20 for drilling machine

With strainer basket

code
093100

Oil transfer pumps



Viscomat 70 M
Viscomat 70 T

	Power supply (hp)	Voltage (V-50Hz)	Amp. (A)	Max. flow (l/h)	code
Viscomat 70 M	1	1~230	4,6	1500	090100
Viscomat 70 T	1	3~400	2,2	1500	090105

Gas oil transfer pumps



Panther 56 Filter

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. pressure (bar)	code
Panther 56 Filter	0,37	1~230	2,2	3,5	1,7	090012



Panther 72 Filter

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (m³/h)	Max. pressure (bar)	code
Panther 72 Filter	0,5	1~230	4,2	4,8	1,9	090007



Cube 56/33
Cube 70/33
 * **Cube 56/33 CFD**
 * **Cube 70/33 CFD**

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (l/mn)	Max. pressure (bar)	code
Cube 56/33	0,37	1~230	2,2	50	1,7	090009
Cube 70/33	0,5	1~230	4,2	70	1,9	090017
* Cube 56/33 CFD	0,37	1~230	2,2	50	1,7	090019
* Cube 70/33 CFD	0,5	1~230	4,2	70	1,9	090023

* Includes CFD water absorber filter.



Station ST Panther 56
Station 56/33 Diesel

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (l/mn)	Max. pressure (bar)	code
Station ST Panther 56	0,37	1~230	2,2	50	1,7	090002
Station 56/33 Diesel	0,37	1~230	2,2	50	1,7	090003



Station P56 Filter
Station P72 Filter

	Power supply (kW)	Voltage (V-50Hz)	Amp. (A)	Max. flow (l/mn)	Max. pressure (bar)	code
Station P56 Filter	0,37	1~230	2,2	50	1,7	090064
Station P72 Filter	0,5	1~230	4,2	70	1,9	090065



	Power supply (kW)	Voltage	Max. flow (m³/h)	Max. pressure (bar)	code
Carry 3000 12V	0,26	12V DC	2,4	1,9	090021
Carry 3000 24V	0,26	24V DC	2,4	1,9	090031



	Power supply (kW)	Voltage	Max. flow (m³/h)	Max. pressure (bar)	code
Battery set 3000 12V	0,26	12V DC	2,4	1,9	090041
Battery set 3000 24V	0,26	24V DC	2,4	1,9	090051



	Power supply (kW)	Voltage	Max. flow (m³/h)	Max. pressure (bar)	code
Panther 56 DC 12V	0,37	12V DC	3,5	1,7	090014
Panther 72 DC 24V	0,5	24V DC	4,8	1,9	090015



	Power supply (kW)	Voltage	Max. flow (m³/h)	Max. pressure (bar)	code
Piusibox 12V	0,26	12V DC	2,4	1,9	090060
Piusibox 24V	0,26	24V DC	2,4	1,9	090061



		code
Litre meter	Precision ± 1% - Fittings Ø 1" F - Max. pressure 3,5 bar.	530010



		code
Gas oil nozzle	Free nut Ø 1" F & hose nozzle Ø 20 mm - Max flow 60 l/mn.	530020



		code
Gas oil nozzle w/ automatic shut-off	Free nut Ø 1" F & hose nozzle Ø 20 mm - Max. flow 60 l/mn - Min. pressure 0.4 bar.	530025



		code
Discharge pipe	Ø 20 mm with welded fittings MM 1".	4 m 530031



		code
Suction pipe	Ø 25 mm with welded fittings MM 1".	1 m 530026 1,5 m 530027 2 m 530028



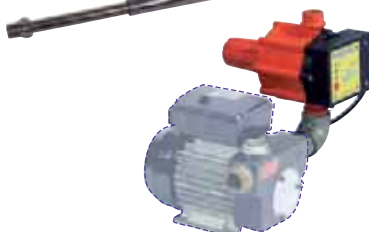
		code
Hose nozzle	M 1" for Ø 20 mm. M 1" for Ø 25 mm.	453056 453057



		code
Filter	Ø 3/4" M - 1" F & hose nozzle.	530050



		code
Suction pipe	M 1" - Adjustable length 50 to 90 cm.	530033



		code
Presscontrol	For Panther 56 & 72 - 1~230V (50Hz) - Fitting M 1".	416003
Stainless steel fitting set	Socket MM 1" & elbow 1".	453014

For surface pumps

Control, overcurrent & lack of water protection



For 1~230V & 3~400V pumps - 1 to 10 A (4 kW for 3~400V - 1,1 kW for 1~230V).

Protec 2

Protec 2 with forced motion switch

For use with reversed contactor

code

474000

471550

For 1 pump drainage/sewage/dirty water

Control & protection



Max. 10 A - For 1~230V & 3~400V pumps - Needs 1 or 2 level switches - On/off switch & forced motion switch - Built-in sound alarm - Connection Ipsotherm.

Protec 2 Releage

code

474002



For clear & slightly dirty water. For 1~230V pumps - Max. 6 A with 2 electrodes - Includes 2 electrodes & 30 m cable.

Micro DSN 22

code

471029

For 2 pumps drainage/sewage/dirty water

Control & protection



For 1~230V & 3~400V pumps - Adjustable 1,6 to 10 A - Needs 3 level switches - Built-in sound alarm - Connection Ipsotherm.

Protec 4+/10RF

code

474004

For well & borehole pumps

Control & lack of water protection



For 1~230V pumps up to 9 A - Full automatic - No accessories requested.

Micro DSE 230V

code

471511



For 1~230V & 3~400V pumps up to 10 A - Includes electrode & 40 m wire.

Micro DSN 230V & 400V

code

471050JE

Motor protection & level monitoring (for 1~230V & 3~400V pumps).



Full automatic - No accessories requested.

DSE 12 1~230V	With contactor up to 12 A.
DSE 18 1~230V	With contactor up to 18 A.
DSE 10 3~400V	With contactor up to 10 A.
DSE 18 3~400V	With contactor up to 18 A.

code	
	471500
	471505
	471501
	471502



Mono-electrode with automatic variable transmission delay - Electronic card sold separately.

DSN 51/12 3~400V	With contactor up to 12 A.
DSN 51/18 3~400V	With contactor up to 18 A.
DSN 51/25 3~400V	With contactor up to 25 A.
DSN 51/40 3~400V	With contactor up to 40 A & built-in disconnecter.
DSN 51/0	Without contactor. With DIN rail connection for contactors up to 12 A.
Card DSN 51	

code	
	471112
	471118
	471125JE
	471140
	471100JE
	471711



Bi-electrode with critical level detection - Electronic card sold separately.

DSN 52/12 3~400V	With contactor up to 12 A.
DSN 52/18 3~400V	With contactor up to 18 A.
DSN 52/25 3~400V	With contactor up to 25 A.
DSN 52/40 3~400V	With contactor up to 40 A & built-in disconnecter.
DSN 52/0	Without contactor. With DIN rail connection for contactors up to 12 A.
DSN 52/12 reversed	Reversed control for filling tank monitoring.
Card DSN 52	

code	
	471212
	471218
	471225
	471240
	471200JE
	471213JE
	471714



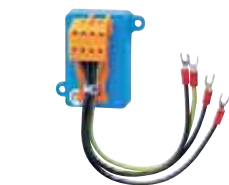
Water level control (for pools, basins, reservoirs, ...).

For 1~230V pumps - Outlet 24V-17 VA or dry contact 5 A.

Danaïde

code	
	471450

Control panel accessories



Overvoltage protection PS3 For DSN, PAD, Protec 2 & 4 - For 1~230V & 3~400V pumps - Max. 24 A - Resists at chocks up to 7 kVA.

Spare cartridge PS3

code	
	433000
	937813



DSN electrode
Stainless steel electrode
*** Wire**

For electrode - 1 x 1,5 mm² - Food quality & safety.

*price/meter

code	
	414000
	414010
	431600



Sound alarm
Sound alarm with 36 hours running reserve

Noise intensity 90 dB - 1~230V.

code	
	471701
	471702

Membrane tanks

2 years Guarantee - EC according to PED-97/23 - Pre-set pressure 2 bar - Temperature: -10°C to +90°C - Food quality & safety membrane.

Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Length (mm)	Ø tank (mm)	code
5	V	10	1"	320		160	301005JE
8	V	10	1"	335		200	302008JE
19	V	10	1"	410		700	301019

Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Length (mm)	Ø tank (mm)	code
24	V	10	1"	340		350	301024

Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Length (mm)	Ø tank (mm)	code
20	V	10	1"	495		250	301020

Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Length (mm)	Ø tank (mm)	code
20	H	10	1"		500	250	303020
40	H	10	1"		560	345	303040
60	V	10	1"	815		380	309060
60	H	10	1"		650	380	309061
80	V	10	1"	790		450	309080
80	H	10	1"		640	450	309081
100	V	10	1/2" & 1"	910		450	309100
100	H	10	1/2" & 1"			450	309101
200	V	10	1/2" & 1"1/2	1215	750	554	309200
200	H	10	1/2" & 1"1/2			554	309201
300	V	10	1/2" & 1"1/2	1375		625	309300
300	H	10	1/2" & 1"1/2		1020	625	309301
500	V	10	1/2" & 1"1/2	1460		775	309500
750	V	10	1/2" & 1"1/2	1925	1190	790	309750
1000	V	10	1/2" & 2"	1915		935	309900



H: horizontal



V: vertical



20 l



100 l to 495 l

High pressure

Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Ø tank (mm)	code
20	V	16	1"	485	250	308020
100	V	16	1/2" & 1"	915	464	309103
200	V	16	1/2" & 1"1/2	1220	556	309203
300	V	14	1/2" & 1"1/2	1370	626	309303
495	V	12	1/2" & 1"1/2	1461	777	309503

Membranes on request





Diaphragm tanks



Challenger

5 years guarantee - No maintenance required - EC according to PED-97/23 - Max. temperature 90°C - Stainless steel 316 connections.



	Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Length (mm)	code
NEW	8	V	10	1"	315		305008JE
NEW	18	V	10	1"	370		305018
NEW	18	V	16	1"	370		305019
	24	V	10	1"	440		306024

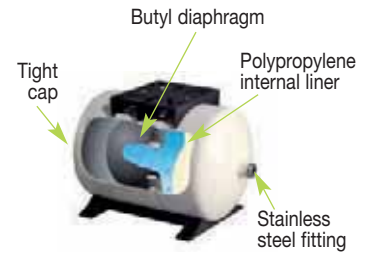
Pre-set 1,9 bar.



H: horizontal

	Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Length (mm)	code
	20	H	10	1"	440		305020
	60	H	10	1"	530		305060
NEW	80	H	10	1"	730		305080
	100	H	10	1"	720		305101

Pre-set 1,9 bar.



V: vertical

	Volume (l)	Type	Max. pressure (bar)	Ø connection F	Height (mm)	Length (mm)	code
NEW	60	V	10	1"	620		305059
NEW	80	V	10	1"	815		305079
	100	V	10	1"	805		305100
NEW	150	V	10	1"	820		305150
*	200	V	10	1"1/4	1034		306201
*	240	V	10	1"1/4	1201		306240
*	310	V	10	1"1/4	1488		306310
*	450	V	10	1"1/4	1505		306450

Pre-set 1,9 bar, except * 2,6 bar.



NEW

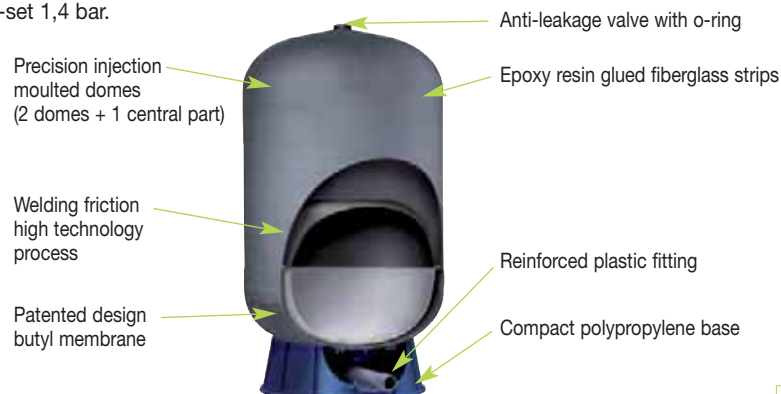
C2-Lite (fiberglass)

5 years guarantee - No maintenance required - EC according to PED-97/23 - Max. temperature 50°C.



	Volume (l)	Type	Max. pressure (bar)	Ø connection M	Height (mm)	Weight (kg)	code
	60	V	8,6	1"	649	9	318060
	100	V	8,6	1"	967	12	318100
	200	V	8,6	1" 1/4	1098	20	318200
	300	V	8,6	1" 1/4	1644	28	318300
	450	V	8,6	1" 1/4	1831	39	318450

Pre-set 1,4 bar.



code	
	455090

Connection set GC Includes flexible hose 500 mm - 1", 5 ways fitting, pressure switch XMP 6 PM, manometer 0-6 radial, teflon roll.



Automatic devices for domestic pumps

To be used with membrane or diaphragm pressurised tanks.

Pre-equipment

Includes pressure switch, manometer, 3 ways fitting - For Jet 82 M, 102 M, 112 M, 132 M, 151 M.

code

410503

Automatic device set for water tanks 8 to 60 l

For domestic pumps 1~230V, up to 1 CV - Includes pressure switch with lack of water protection, manometer, check valve.

code

415000

italtecnica

Presso-Mano PM5

Pressure switch with built-in manometer & 2x1"F & 1x1"M fittings - Installation: pump outlet or pressurised tank outlet - 1~230V - Max. power: 1,5 kW - Max. pressure: 5 bar - Preset: 1,4 to 2,8 bar.

code

412570

WT

Ecocontrol

Lack of water & hammer protection - For 1~230V surface pumps - Max. power 1,1 kW - Max. pressure 6 bar - Max. flow 5 m³/h - Restart pressure 1,5 bar - Min. pump pressure 3 bar - Protection IP65 - Max. temperature 60°C - Fittings M 1".

code

415551

WT

Presscontrol

Lack of water & hammer protection - For 1~230V surface pumps - Max. power 1,5 kW - Max. pressure 10 bar - Max. flow 6 m³/h - Restart pressure 1,5 bar - Min. pump pressure 3 bar - Protection IP65 - Max. temperature 60°C - Fittings M 1".

code

416000

WT

Mascontrol

Lack of water & hammer protection - For 1~230V surface pumps - Max. power 2,2 kW - Max. pressure 10 bar - Max. flow 6 m³/h - Restart pressure 1,5 bar - Min. pump pressure 3 bar - Protection IP65 - Max. temperature 60°C - Fittings M 1 1/4.

code

416006

WT

Controlpres

Same as Mascontrol - Adjustable pressure 3 to 6,5 bar - Max. pump pressure 12 bar.

code

416007

SPID'O

Hydrotech 200

Lack of water & hammer protection - For 1~230V surface pumps - Max. power 1,3 kW - Max. 10 A - Max. pressure 10 bar - Max. flow 5 m³/h - Fittings MM 1".

code

003190

HTX

Lack of water protection device - For surface pumps (1~230V, 2,5 A to 6,5 A) - Temperature -5°C to 40°C - 105 x 60 x 90 mm.

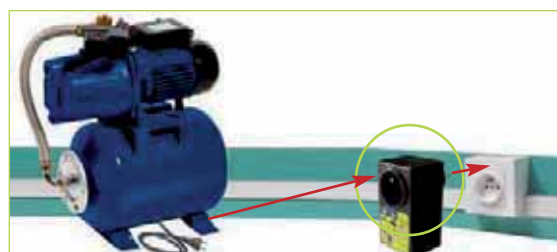
code

003161

HDS 10 A

Same as HTX, except: for surface pumps (1~230V, 6,5 A to 10 A).

433501



Pressure switches



Standard

Max. pressure 4 bar - ΔP adjustable - Pre-set 1,4 to 2,8 bar - Fitting F 1/4" - 230V 16A - Temperature 10°C to 55°C.

code

003170



Pressojet PM5

Max. pressure 5 bar - ΔP adjustable - Pre-set 2 to 3,5 bar - On/Off switch - 250V 16 A (10 A) - Fitting F 1/2" - Manometer outlet F 1/4" - Supplied without manometer.

code

412565



XMP 6 bipolar

Max. pressure 6 bar - Min. ΔP 0,6 bar - Pre-set 1,4 to 2,8 bar - Max. power: 1,5 kW (for 1~230V) - Fitting F 1/4" - Temperature 0 to 70°C - Wired with standard take-off.

code

412500

XMP 6 wired bipolar

Same as XMP 6 bipolar, except: wired included.

412501



XMP 6 PM bi/tripolar

Max. pressure 6 bar - Min. ΔP 0,6 bar. Pre-set 2 to 3,5 bar - Max. power: 3 kW (for 3~400V) - Fitting F 1/2" - Manometer outlet F 1/4" - Temperature 0 to 70°C.

code

412506

XMP 12 PM bi/tripolar

Same as XMP 6 PM, except: max. pressure 12 bar, min - ΔP 1 bar, pre-set 4 to 6 bar.

412512



XMX Reversed with manometer inlet

Lack of water switch-off device - Pre-set 0,5 to 1,5 bar - Usable only with remote control - Fitting F 1/2" - Manometer outlet F 1/4" - Temperature 0 to 70°C - Max. pressure 6 bar.

code

412560



69 WEC bipolar with switch & lack of water protection

Max. pressure 4,5 bar - Min. ΔP 0,9 bar - Pre-set 1,3 to 2,6 bar - Max. power: 1,1 kW (for 1~230V) - Fitting F 1/4" - Low pressure (0,4 bar) switch-off device.

code

412550



69 WR3 Reversed

Lack of pressure switch-off device - Pre-set 0,3 to 0,7 bar - Max. power: 1,5 kW (for 1~230V) - Fitting F 1/4".

code

412552



MCS 11 Universal unipolar

Lack of water switch-off device - Pre-set 0,2 to 0,5 bar - Usable only with remote control - Fitting F 1/4" - Temperature -25°C to 80°C - Max. pressure 11 bar - Protection IP55.

code

410501

NEW

MCS 22

Same as MCS 11, except max. pressure 22 bar.

410502

Level control

Level switches

With neoprene wire.			code
Bip Stop VS 2 threads + special earth connection	Drainage use - Differential angle 110° - All directions use -	5 m	411260
	Fluid density 0,60 to 1,15 - Max. pressure 5 bar - Max. temperature 85°C - 135 x 70 mm - Elec.: 20 (8) A 250V - Protection IP68 - Includes socket male/female.	10 m	411265
		20 m	411270
			code
TM-Red 3 threads	Drainage or filling use - Elec.: 10 (4) A 250V - Direct start 1,1 kW single phase - Max. temperature: 50°C - 105 x 54 x 120 mm.	5 m	411525
		10 m	411530
		20 m	411535
			code
Microstart VR	Drainage or filling use - Elec.: 20 (8) A 250V - 3 threads - Max. pressure 10 bar - Max. temperature 55°C - 142 x 80 mm - Differential angle 60° - Protection IP68.	5 m	411105
		10 m	411110
		20 m	411120
			code
Counter-weight	275 g.		411595
			code
Adjustable ballast	Resin - 175 g - Includes blocking fitting.		411585
			code
Cable hook			411590

Level monitors

With neoprene wire - 2 monitors needed for automatic control - All directions use - To be used with control panel for drainage and filling.			code
Meca Small Ecolo	Elec.: 16 (6) A 250V - 130 x 70 mm - Max. temperature 70°C - Differential angle 25°.	5 m	411405
		10 m	411410
		20 m	411420
			code
Meca Ecolo	Elec.: 16 (6) A 250V - 5 waterproof compartments - 170 x 80 mm - Max. temperature 70°C - Differential angle 25°.	5 m	411705
		10 m	411710
		20 m	411720
			code
Soba Tech	Very dirty water use - 152 x 95 mm - Max. temperature 70°C - Without ballast - Differential angle 25°.	5 m	411905
		10 m	411910
		20 m	411920
			code
Meca Ecolo "All Hypalon"	Use: liquid with oil, hydrocarbures, chlore, some acids, alcalines, etc... - Elec.: 16 (6) A 250V - 5 waterproof compartments - 200 x 92 mm - Max. temperature 95°C - Differential angle 25°.	5 m	411725
		10 m	411735
		20 m	411745
			code
IFB Blue 3 threads	Lifting stations use - Wire A05 VV-F - Temperature 55°C - 10 A 250V - Differential angle 10°.	5 m	412605
		10 m	412610
		15 m	412615
		20 m	412620
			code
IFB compact	Same as IFB Blue 3 threads, except smaller dimensions for compact volume.	10 m	413610

Level detectors

			code
Tuba Ecolo 1"	Neoprene wire - 8 (4) A 250V - 160 x 25 mm - Differential angle 10°.	5 m	405005
		10 m	405010
			code
Tuba Ecolo 1"1/4	Neoprene wire - 12 (4) A 250V - 160 x 36 mm - Differential angle 20°.	5 m	411815
		10 m	411820



Pumps accessories & fittings



	Ø	code
3 ways fitting	1" FF 1"	BB11-008



	Ø	Height (mm)	code
5 ways fitting	1" FF 1" - F 1/4" - M 1/4"	81	RP5V
	1" FF 1" - F 1/4" - M 1/4"	92	BB11-007



	Length (m)	Ø pipe	Ø	code
Plastic suction set	4	22	F 1"	003000
	7	22	F 1"	003005



	Length (m)	Ø pipe	Ø	code
Brass suction set	5	22	F 1"	003010
	7	22	F 1"	003020



	Length (m)	Ø pipe	Ø	code
Metal suction set	7	25	F 1"	003025
	7	30	F 1 1/4"	003030



	Length (m)	Ø pipe	Ø	code
Universal drainage set	5	32	F 1 1/4"	002200



	Length (m)	code
Discharge set	10	454509



	DN	Length (m)	code
Flat discharge pipe	50	10	454510
	50	15	454515
	80	10	454511



	code
Discharge set	455010
Valve set	455011



	Ø	code
PVC check ball valve	1 1/4" Threaded FF - Working pressure 6 bar - PVC body & ball - Max. temperature 60°C.	334007
	1 1/2"	334008
	2"	334009
	2 1/2"	334010
	3"	334011

■ Dry - ABS plastic box

Ø 50 - Axial



Pressure (bar)	Ø connection	code
0 - 4	1/4"	MA04
0 - 6	1/4"	413006TH
0 - 10	1/4"	MA10

Ø 63 - Axial



Pressure (bar)	Ø connection	code
0 - 6	1/4"	M63A06
0 - 10	1/4"	M63A10

Ø 50 - Radial



Pressure (bar)	Ø connection	code
0 - 4	1/4"	MR04
0 - 6	1/4"	413106
0 - 10	1/4"	MR10

Ø 63 - Radial



Pressure (bar)	Ø connection	code
0 - 6	1/4"	M63R06
0 - 10	1/4"	M63R10

Ø 80 - Radial



Pressure (bar)	Ø connection	code
0 - 4	1/2"	M80R04
0 - 10	1/2"	M80R10

Ø 100 - Radial



Pressure (bar)	Ø connection	code
0 - 6	1/2"	M100R06
0 - 10	1/2"	M100R10

■ Glycerin filled - Stainless steel box

Brass connection - Max. temperature 60°C - Class 1,6 - Polycarbonate glass.

Ø 50 - Axial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413203
0 - 6	1/4"	413206
0 - 10	1/4"	MA10G
0 - 16	1/4"	413216

Ø 63 - Axial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413403
0 - 6	1/4"	413406
0 - 10	1/4"	413410
0 - 16	1/4"	413416
0 - 25	1/4"	413425

Ø 50 - Radial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413303
0 - 6	1/4"	413306
0 - 10	1/4"	MR10G
0 - 16	1/4"	413316

Ø 63 - Radial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413503
0 - 6	1/4"	413506
0 - 10	1/4"	413510
0 - 16	1/4"	413516
0 - 25	1/4"	413525

■ Manometer valves



Ø	pack	code
1/4"	50	ZRI08
3/8"	50	ZRI12
1/2"	25	ZRI15



Ø	code
1/4"	1306002
3/8"	1306003
1/2"	1306004



Push-button valve

Ø	code
1/4"	9880302
1/2"	9880304

Brass fittings, see pages 154 to 159



Valves, strainers & check valves, see pages 194 to 201



Flexibles hoses, see pages 186 to 189



Solenoid valve, see page 76





Connections

• Fittings

Brass threaded fittings	pages 154 to 159
Brass threaded fittings - Heavy duty	page 160
Chrome plated threaded fittings	page 161
Compression fittings with brass olive	page 162
Copper welding fittings	pages 163 to 165
Copper press fittings	pages 166 to 169
Brass fittings for polyethylene pipes	pages 170 to 171
Polypropylene fittings for polyethylene pipes	page 172

• Galvanized carbon steel system - Serti-Steel	pages 173 to 176
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• Multilayer pipes system

Multilayer pipes	page 177
Radial press fittings for multilayer pipes	pages 178 to 180
Push-fit fittings for multilayer pipes	page 181
Multifit fittings for multilayer pipes	page 181
Compression fittings for multilayer pipes	page 182
Compression fittings for multilayer pipes - Radiators connections	page 182

• Distribution manifolds

Flat bearing manifolds	pages 183 to 184
Accessories for manifolds	pages 184 to 185

• Stainless steel braided EPDM flexible hoses

Sanitary	pages 186 to 187
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• Corrugated stainless steel flexible connections

Flexible & extensible hoses - Boilerflex	page 190
Flexible pipes	pages 190 to 192

Fittings

To be ordered by pack of 10 pcs up to 1"; pack of 5 pcs above

Brass threaded fittings



For heating & sanitary applications - Material: brass CW617N or CW615N - Use flat gasket for tightness when possible - Use PTFE band or Loctite type glue, no tow - Tight with flat key (max. torque 3 to 4 kg/m).



90 GC - Elbow female threaded/female copper

Ø	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	14-3/4"	15-3/4"	16-3/4"
box	400	400	360	360	300	300	200	200		200
code	90GC1212	90GC1412	90GC1215	90GC1415	90GC1515	90GC1615	90GC1815	90GC1420	90GC1520	90GC1620

Ø	18-3/4"	22-3/4"
box	200	150
code	90GC1820	90GC2220



90 GCL - Elbow female threaded/female copper

Ø	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"
code	90GC1212L	90GC1214L	90GC1512L	90GC1514L	90GC1515L	90GC1516L



92 GC - Elbow male threaded/female copper

Ø	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	16-3/4"	18-3/4"	22-3/4"	22-1"
box	480	480	450	450		360	250	200	200	170	120
code	92GC1212	92GC1412	92GC1215	92GC1415	92GC1515	92GC1615	92GC1815	92GC1620	92GC1820	92GC2220	92GC2226



130 GC - Tee center female threaded/female copper

Ø	12-3/8"-12	14-3/8"-14	12-1/2"-12	14-1/2"-14	15-1/2"-15	16-1/2"-16	18-1/2"-18	22-1/2"-22
box	300	250	250	200		180	150	120
code	130GC121212	130GC141214	130GC121512	130GC141514	130GC151515	130GC161516	130GC181518	130GC221522



243 GC - Welding socket male threaded/female copper

Ø	10-3/8"	12-3/8"	14-3/8"	16-3/8"	10-1/2"	12-1/2"	14-1/2"	12-1/2"-B.14.5	14-1/2"-B.14.5	15-1/2"	16-1/2"
box	750	750	750	750		500	500		500	500	500
code	243GC1012	243GC1212	243GC1412	243GC1612	243GC1015	243GC1215	243GC1415	243GC1215G	243GC1415G	243GC1515	243GC1615

Ø	18-1/2"	14-3/4"	15-3/4"	16-3/4"	18-3/4"	20-3/4"	22-3/4"	28-3/4"	18-1"	22-1"	28-1"
box	500	350	350	350	350		300	220		200	180
code	243GC1815	243GC1420	243GC1520	243GC1620	243GC1820	243GC2020	243GC2220	243GC2820	243GC1826	243GC2226	243GC2826

Ø	32-1"	28-1"1/4	32-1"1/4	35-1"1/4	36-1"1/4	32-1"1/2	36-1"1/2	40-1"1/2	42-1"1/2	52-2"	54-2"
box	160	100	100	120					70	70	40
code	243GC3226	243GC2833	243GC3233	243GC3533	243GC3633	243GC3240	243GC3640	243GC4040	243GC4240	243GC5250	243GC5450



270 GC - Welding socket female threaded/female copper

Ø	10-3/8"	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	14-3/4"	15-3/4"
box	700	700	700	700	700	540	540	500	400	400
code	270GC1012	270GC1212	270GC1412	270GC1215	270GC1415	270GC1515	270GC1615	270GC1815	270GC1420	270GC1520

Ø	16-3/4"	18-3/4"	20-3/4"	22-3/4"	28-3/4"	18-1"	22-1"	28-1"	32-1"	28-1"1/4
box	400	300		300	160		160	160		80
code	270GC1620	270GC1820	270GC2020	270GC2220	270GC2820	270GC1826	270GC2226	270GC2826	270GC3226	270GC2833

Ø	32-1"1/4	35-1"1/4	36-1"1/4	32-1"1/2	36-1"1/2	40-1"1/2	42-1"1/2	52-2"	54-2"
box	80	80						42	16
code	270GC3233	270GC3533	270GC3633	270GC3240	270GC3640	270GC4040	270GC4240	270GC5250	270GC5450



359 GC - 2 pieces union female threaded/female copper

Ø	10-3/8"	12-3/8"	10-1/2"	12-1/2"	14-1/2"	15-1/2"	12-3/4"	14-3/4"	16-3/4"	18-3/4"	20-3/4"
box	600				600		400		300	300	
code	359GC1012	359GC1212	359GC1015	359GC1215	359GC1415	359GC1515	359GC1220	359GC1420	359GC1620	359GC1820	359GC2020

Ø	18-1"	20-1"	22-1"	28-1"1/4"	32-1"1/4"	36-1"1/2"	40-2"
box	100		80		80		
code	359GC1826	359GC2026	359GC2226	359GC2833	359GC3233	359GC3640	359GC4050



340 CU - Welding union female copper 2 ends

Ø	10	12	14	16	18	20	22	28	32	40	42	52
code	340CU10	340CU12	340CU14	340CU16	340CU18	340CU20	340CU22	340CU28	340CU32	340CU40	340CU42	340CU52



340 GC - Welding union female threaded/female copper - Metal/metal, conical bearing

Ø	10-3/8"	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	14-3/4"	15-3/4"
box	300		260		250		320		200	
code	340GC1012	340GC1212	340GC1412	340GC1215	340GC1415	340GC1515	340GC1615	340GC1815	340GC1420	340GC1520

Ø	16-3/4"	18-3/4"	20-3/4"	22-3/4"	28-3/4"	22-1"	28-1"	32-1"	28-1"1/4"	32-1"1/4"	35-1"1/4"
box	160	160	100		100		50	40	60	30	50
code	340GC1620	340GC1820	340GC2020	340GC2220	340GC2820	340GC2226	340GC2826	340GC3226	340GC2833	340GC3233	340GC3533

Ø	36-1"1/4"	40-1"1/4"	32-1"1/2"	40-1"1/2"	42-1"1/2"	52-2"	54-2"
box	20				15		
code	340GC3633	340GC4033	340GC3240	340GC4040	340GC4240	340GC5250	340GC5450



341 GC - Welding union male threaded/female copper - Metal/metal, conical bearing

Ø	10-3/8"	12-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	14-3/4"	15-3/4"	16-3/4"
box	400		200	300	320	300	200	200	200	200
code	341GC1012	341GC1212	341GC1215	341GC1415	341GC1515	341GC1615	341GC1815	341GC1420	341GC1520	341GC1620

Ø	18-3/4"	20-3/4"	22-3/4"	22-1"	28-1"	32-1"	28-1"1/4"	32-1"1/4"	35-1"1/4"	36-1"1/4"
box	200	150		150	70	50	50	50	50	
code	341GC1820	341GC2020	341GC2220	341GC2226	341GC2826	341GC3226	341GC2833	341GC3233	341GC3533	341GC3633

Ø	40-1"1/4"	32-1"1/2"	40-1"1/2"	42-1"1/2"	52-2"	54-2"
box	20		15		15	
code	341GC4033	341GC3240	341GC4040	341GC4240	341GC5250	341GC5450



331 GC - Welding union with flat bearing & flat gasket - Male threaded/female copper

Ø	10-3/8"	12-3/8"	14-3/8"	12-1/2"	14-1/2"	16-1/2"	18-1/2"	14-3/4"	16-3/4"	18-3/4"
code	331GC1012	331GC1212	331GC1412	331GC1215	331GC1415	331GC1615	331GC1815	331GC1420	331GC1620	331GC1820

Ø	20-3/4"	22-3/4"	18-1"	20-1"	22-1"	28-1"	28-1"1/4"	36-1"1/2"
code	331GC2020	331GC2220	331GC1826	331GC2026	331GC2226	331GC2826	331GC2833	331GC3640



96 GCU - Elbow union female threaded/female copper

Ø	12-3/8"	14-3/8"	14-1/2"	15-1/2"	16-1/2"	15-3/4"	16-3/4"	18-3/4"	22-3/4"	22-1"	28-1"
box	120	120	120	120	120	120	120	120	120	120	60
code	96GCU1212	96GCU1412	96GCU1415	96GCU1515	96GCU1615	96GCU1520	96GCU1620	96GCU1820	96GCU2220	96GCU2226	96GCU2826



98 GCU - Elbow union male threaded/female copper

Ø	12-3/8"	14-3/8"	14-1/2"	15-1/2"	16-1/2"	15-3/4"	16-3/4"	18-3/4"	22-3/4"	22-1"	28-1"
box	120	120	120	120	120	120	120	120	120	96	96
code	98GCU1212	98GCU1412	98GCU1415	98GCU1515	98GCU1615	98GCU1520	98GCU1620	98GCU1820	98GCU2220	98GCU2226	98GCU2826

359 GCL - 2 pieces socket copper/brass - Flat bearing



Ø	10-3/8"	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	14-3/4"	15-3/4"
box	800	800	800	500	500	500	500	500	400	400
code	359GCL1012	359GCL1212	359GCL1412	359GCL1215	359GCL1415	359GCL1515	359GCL1615	359GCL1815	359GCL1420	359GCL1520

Ø	16-3/4"	18-3/4"	20-3/4"	22-3/4"	22-1"	28-1"	28-1"1/4"	32-1"1/4"	40-1"1/2"	42-1"1/2"
box	400	400	300	300	200	200	100	100	60	60
code	359GCL1620	359GCL1820	359GCL2020	359GCL2220	359GCL2226	359GCL2826	359GCL3228	359GCL3233	359GCL4040	359GCL4042

5002 GC - 2 pieces elbow copper/brass - Flat bearing



Ø	12-3/8"	14-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	14-3/4"	15-3/4"	16-3/4"	18-3/4"
box	500	400	500	400	400	400	250	200	250	250
code	5002GC1212	5002GC1412	5002GC1215	5002GC1415	5002GC1515	5002GC1615	5002GC1420	5002GC1520	5002GC1620	5002GC1820

Ø	22-3/4"	22-1"	28-1"
box	200	100	100
code	5002GC2220	5002GC2226	5002GC2826

R 80 - Equal socket female/female - Flat bearing



Ø	3/8"	1/2"	3/4"	1"
code	R8012	R8015	R8020	R8026

R 81 - Reduced socket female/female - Flat bearing



Ø	1/2"-3/8"	3/4"-1/2"
code	R811512	R812015

CR 80 - Equal elbow female/female - Flat bearing



Ø	1/2"-1/2"	3/4"-3/4"	1"-1"
code	CR8015	CR8020	CR8026

CR 80 - Reduced elbow female/female - Flat bearing



Ø	3/4"-1/2"
code	CR802015

90 G - Elbow female/female



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
box		300	170	100	50	30	20	12
code	90G08	90G12	90G15	90G20	90G26	90G33	90G40	90G50

92 G - Elbow male/female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
box	1000	300	200	180	80	50	25	15	10
code	92G05	92G08	92G12	92G15	92G20	92G26	92G33	92G40	92G50

92 G - Compact elbow male/female



Ø	3/8"	1/2"	3/4"	1"	1" 1/4"
box	600	400	200	120	60
code	92G12C	92G15C	92G20C	92G26C	92G33C

92 G - Reduced elbow female/male



Ø	3/4"-1/2"
box	300
code	92G2015

130 G - Tee female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
box	800	300	200	180	50	40	20	15	10
code	130G05	130G08	130G12	130G15	130G20	130G26	130G33	130G40	130G50

270 R - Nipple



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
box	700	450	300	130	90	70	40
code	270R12	270R15	270R20	270R26	270R33	270R40	270R50

Tee 3/4 male/male/female



Ø	3/4"
box	100
code	ZTMMF

Chrome plated tee 3/4 male/male/female



Ø	3/4"
box	80
code	ZTMMFN

180 G - Cross female



Ø	1/2"	3/4"	1"
box	80	50	30
code	180G15	180G20	180G26

94 G - Elbow male



Ø	1/4"	10-3/8"	12-1/2"	14-1/2"	16-3/4"	18-3/4"	1"
box	1000	500	300	250	170	170	100
code	94G08	94G1012	94G1215	94G1415	94G1620	94G1820	94G26

94 G - Reduced elbow



Ø	1/2"-3/8"
box	400
code	94G1512R

135 G - Tee male



Ø	1/4"	10-3/8"	12-1/2"	14-1/2"	16-3/4"	18-3/4"	1"
box	700	300	300	300	120	120	50
code	135G08	135G1012	135G1215	135G1415	135G1620	135G1820	135G26

280 G - Equal nipple male



Ø	1/8"	1/4"	3/8"	1/2"	1/2" B.14.5	3/4"	1"	1"1/4"	1"1/2"	2"
box	2 000	1500	900	500	500	300	150	100	70	40
code	280G05	280G08	280G12	280G15	280G15G	280G20	280G26	280G33	280G40	280G50

Ø	2"1/2"	3"
box		
code	280G65	280G80



280 GR - Multi threaded fitting (sold by 2)

Ø	M3/4"-F1/2" & M3/4"-M1/2"
code	280GR2015

245 G - Reduced nipple male



Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/8"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"
box	1800		1 000		650	550	400	350	250	180
code	245G0805	245G1205	245G1208	245G1505	245G1508	245G1512	245G2012	245G2015	245G2615	245G2620

Ø	1"1/4-3/4"	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/4"	2"-1"1/2"	2"1/2-2"
box	120	100	80	80	50	60	
code	245G3320	245G3326	245G4026	245G4033	245G5033	245G5040	245G6550

374 G - Nut female



Ø	10-3/8"	12-3/8"	10-1/2"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	12-3/4"	14-3/4"	16-3/4"
box	1 000	1 000		700	700		700	450	450	450
code	374G1012	374G1212	374G1015	374G1215	374G1415	374G1515	374G1615	374G1220	374G1420	374G1620

Ø	18-3/4"	20-3/4"	22-3/4"	18-1"	20-1"	22-1"	26-1"	28-1"1/4"	32-1"1/4"	42-1"1/2"
box	450					250				
code	374G1820	374G2020	374G2220	374G1826	374G2026	374G2226	374G2626	374G2833	374G3233	374G4240

169 G - Nut



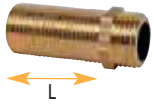
Ø	3/8"	1/2"	3/4"	1"
box	1600	1500	1000	1000
code	169G12	169G15	169G20	169G26

169 GL - Lock nut



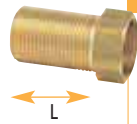
Ø	3/8"	1/2"	3/4"	1"
box	900	620	350	220
D	30	35	45	54
code	169GL12	169GL15	169GL20	169GL26

280 GL - Extension male/male



Ø	3/8"	1/2"	3/4"	1"
box	400	250	140	80
L	40	40	40	40
code	280GL12	280GL15	280GL20	280GL26

246 EL - Extension male/female



Ø	3/8"	1/2"	3/4"	1"
box	350	250	150	90
L	40	40	40	40
code	246EL12	246EL15	246EL20	246EL26

RD - Straight extension



Ø	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
L	25	50	75	100	25	50	75	100	25	50	75	100
code	RD02512	RD05012	RD07512	RD10012	RD02515	RD05015	RD07515	RD10015	RD02520	RD05020	RD07520	RD10020

Elbow union - Conical bearing



Ø	3/8"	1/2"	3/4"	1"	1"1/4*	1"1/2*	2"*
box	20	20	10	8	8	4	1
code	CU12	CU15	CU20	CU26	CU33	CU40	CU50

* with o-ring

Elbow union - Nickel plated - Conical bearing



Ø	1/2"	3/4"	1"
code	CU15N	CU20N	CU26N

Union fitting - Conical bearing



Ø	3/8"	1/2"	3/4"	1"	1"1/4*	1"1/2*	2"*
box	20	20	20	10	9	6	2
code	RU12	RU15	RU20	RU26	RU33	RU40	RU50

* with o-ring

Union fitting - Nickel plated - Conical bearing



Ø	1/2"	3/4"	1"
code	RU15N	RU20N	RU26N

Elbow union - Flat bearing & gasket



Ø	3/8"	1/2"	3/4"	1"
box	20	20	20	8
code	CU12PP	CU15PP	CU20PP	CU26PP

2 pieces fitting female/female



Ø	1"-1/2"	1"1/4-3/4"	1"1/2-1"	2"-1"1/4"
box	10	10	10	10
code	ZRU2615F	ZRU3320F	ZRU4026F	ZRU5033F

Union fitting female/female - Conical bearing



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
box	10	10	10	10	10	10	10
code	RU12F	RU15F	RU20F	RU26F	RU33F	RU40F	RU50F

2 pieces fitting female/male - Flat bearing



Ø	1/2"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"-1"	1"1/4-3/4"	1"1/4-1"
code	ZRU1512	ZRU2015	ZRU2615	ZRU2620	ZRU2626	ZRU3320	ZRU3326

300 G - Female cap



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
box	1500	1 000	750	400	250	140	100	50
code	300G08	300G12	300G15	300G20	300G26	300G33	300G40	300G50

292 G - Male cap



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
box	1500	1 500	800	400	200	100	80	50
code	292G08	292G12	292G15	292G20	292G26	292G33	292G40	292G50

199 G - Reduced nut male



Ø	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4 -1"	1"1/2-1"1/4"
box	1000		1 000		600	350	
code	199G1512	199G2012	199G2015	199G2615	199G2620	199G3326	199G4033

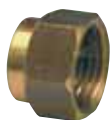
241 G - Reduced nipple female/male



Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/8"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"
box	2200	1 500	1 500		1 000	750	750	500	300	450
code	241G0805	241G1205	241G1208	241G1505	241G1508	241G1512	241G2012	241G2015	241G2615	241G2620

Ø	1"1/4-3/4"	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/4"	2"-1"1/2"	2"1/2-2"
box	150	120	120	100		75	
code	241G3320	241G3326	241G4026	241G4033	241G5033	241G5040	241G6550

240 G - Reduced socket female



Ø	1/4"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-3/8"	1"-1/2"	1"-3/4"	1"1/4-3/4"
box		720	550	500		400	200	200	200	
code	240G0805	240G1208	240G1508	240G1512	240G2012	240G2015	240G2612	240G2615	240G2620	240G3320

Ø	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/2"
box	100		100	
code	240G3326	240G4026	240G4033	240G5040

270 G - Equal socket with thrust female



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
box	1 000	400	300	200	100	60	36
code	270G12	270G15	270G20	270G26	270G33	270G40	270G50

272 G - Equal socket female



Ø	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
box	1000	1 000	1 000	400	300	200	100	80	40
code	272G05	272G08	272G12	272G15	272G20	272G26	272G33	272G40	272G50

246 E - Equal nipple male/female



Ø	1/8"	1/4"	3/8"	1/2"	1/2"Al.14.5	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
box			1 000	500	500	300	200	100	80	50		
code	246E05	246E08	246E12	246E15	246E15G	246E20	246E26	246E33	246E40	246E50	246E65	246E80

246 G - Reduced nipple male/female



Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-3/8"	1"-1/2"	1"-3/4"
box	900		650	650	650	450	350	130	300	200
code	246G0805	246G1205	246G1208	246G1508	246G1512	246G2012	246G2015	246G2612	246G2615	246G2620

Ø	1"1/4-3/4"	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"	2"-1"1/4"	2"-1"1/2"	2"1/2-2"
box	100	100	100	90	50		50	
code	246G3320	246G3326	246G4026	246G4033	246G5026	246G5033	246G5040	246G6550

243 G - Reduced nipple male/reduced female



Ø	1/4"-1/8"	3/8"-1/8"	3/8"-1/4"	1/2"-1/4"	1/2"-3/8"	3/4"-3/8"	3/4"-1/2"	1"-1/2"	1"-3/4"	1"1/4-3/4"
box			750	750	750	450	350	250	250	150
code	243G0805	243G1205	243G1208	243G1508	243G1512	243G2012	243G2015	243G2615	243G2620	243G3320

Ø	1"1/4-1"	1"1/2-1"	1"1/2-1"1/4"	2"-1"1/4"	2"-1"1/2"	2"1/2-2"
box	150	100	80		50	
code	243G3326	243G4026	243G4033	243G5033	243G5040	243G6550

Wall connection elbow 1/2" female/female copper



Ø	12	14	16
code	AMS1512	AMS1514	AMS1516

Wall connection



Ø	1/2"	12*	14*
code	AM	AM12	AM14

* with nut & gasket

To be ordered by
pack of 10 pcs
up to 1";
pack of 5 pcs
above

Brass threaded fittings - Heavy duty



Heavy duty for severe conditions of use in heating & air conditioning - Temperature range: +4°/+100°C - EN 1254-4 - Tracking on each reference - Forged fittings - Brass CW617N.



90 GC-SL - Elbow female threaded/female copper

Ø	12-3/8"	12-1/2"	14-3/8"	14-1/2"	15-1/2"	16-1/2"
box	400	360	400	300	300	300
code	90GC1212SL	90GC1215SL	90GC1412SL	90GC1415SL	90GC1515SL	90GC1615SL



92 GC-SL - Elbow male threaded/female copper

Ø	12-3/8"	12-1/2"	14-3/8"	14-1/2"	15-1/2"	16-1/2"	18-3/4"	22-3/4"
box	400	300	360	300	300	260	180	150
code	92GC1212SL	92GC1215SL	92GC1412SL	92GC1415SL	92GC1515SL	92GC1615SL	92GC1820SL	92GC2220SL



130 GC-SL - Tee center female threaded/female copper

Ø	12-1/2"-12	14-1/2"-14	15-1/2"-15	16-1/2"-16
box	250	200	200	180
code	130GC121512SL	130GC141514SL	130GC151515SL	130GC161516SL



243 GC-SL - Welding socket male threaded/female copper

Ø	12-3/8"	12-1/2"	14-3/8"	14-1/2"	14-3/4"	15-1/2"	15-3/4"	16-3/8"	16-1/2"	16-3/4"	18-1/2"
box	700	450	700	450	250	250	250	700	450	250	400
code	243GC1212SL	243GC1215SL	243GC1412SL	243GC1415SL	243GC1420SL	243GC1515SL	243GC1520SL	243GC1612SL	243GC1615SL	243GC1620SL	243GC1815SL

Ø	18-3/4"	22-3/4"	22-1"	28-3/4"	28-1"	28-1"1/4	32-1"	32-1"1/4	40-1"1/2	42-1"1/2
box	250	250	160	200	160	80	160	80	60	60
code	243GC1820SL	243GC2220SL	243GC2226SL	243GC2820SL	243GC2826SL	243GC2833SL	243GC3226SL	243GC3233SL	243GC4040SL	243GC4240SL



270 GC-SL - Welding socket female threaded/female copper

Ø	10-3/8"	12-3/8"	12-1/2"	14-3/8"	14-1/2"	14-3/4"	15-1/2"	15-3/4"	16-1/2"	16-3/4"
box	800	720	540	720	540	300	540	300	540	300
code	270GC1012SL	270GC1212SL	270GC1215SL	270GC1412SL	270GC1415SL	270GC1420SL	270GC1515SL	270GC1520SL	270GC1615SL	270GC1620SL

Ø	18-1/2"	18-3/4"	22-3/4"	22-1"	28-3/4"	28-1"	32-1"
box	540	300	300	200	180	180	180
code	270GC1815SL	270GC1820SL	270GC2220SL	270GC2226SL	270GC2820SL	270GC2826SL	270GC3226SL



359 GC-SL - 2 pieces union female threaded/female copper

Ø	12-3/8"	12-1/2"	14-1/2"	14-3/4"	15-3/4"	16-3/4"	18-3/4"	22-1"	28-1"1/4
box	960	720	720	380	380	380	380	180	100
code	359GC1212SL	359GC1215SL	359GC1415SL	359GC1420SL	359GC1520SL	359GC1620SL	359GC1820SL	359GC2226SL	359GC2833SL



340 GC-SL - Welding union female threaded/female copper

Ø	14-3/8"	14-1/2"	14-3/4"	15-3/4"	16-1/2"	16-3/4"	18-1/2"	18-3/4"	22-3/4"	22-1"
box	380	320	200	200	200	200	200	200	100	100
code	340GC1412SL	340GC1415SL	340GC1420SL	340GC1520SL	340GC1615SL	340GC1620SL	340GC1815SL	340GC1820SL	340GC2220SL	340GC2226SL

Ø	28-1"	28-1"1/4	32-1"	32-1"1/4
box	60	60	60	60
code	340GC2826SL	340GC2826SL	340GC3226SL	340GC3233SL



341 GC-SL - Welding union male threaded/female copper

Ø	12-3/8"	12-1/2"	14-1/2"	14-3/4"	15-3/4"	16-1/2"	16-3/4"	18-1/2"	18-3/4"	22-3/4"
box	320	320	320	180	180	180	180	180	180	100
code	341GC1212SL	341GC1215SL	341GC1415SL	341GC1420SL	341GC1520SL	341GC1615SL	341GC1620SL	341GC1815SL	341GC1820SL	341GC2220SL

Ø	22-1"	28-1"	28-1"1/4	32-1"	32-1"1/4	42-1"1/2
box	100	60	60	50	50	18
code	341GC2226SL	341GC2826SL	341GC2833SL	341GC3226SL	341GC3233SL	341GC4240SL

To be ordered by pack of 10 pcs up to 1"; pack of 5 pcs above

Chrome plated threaded fittings



90 GCH - Elbow female/female

Ø	3/8"	1/2"	3/4"	1"
box				
code	90G12CH	90G15CH	90G20CH	90G26CH



92 GCH - Elbow male/female

Ø	3/8"	1/2"	3/4"	1"
box	600	350	250	120
code	92G12CH	92G15CH	92G20CH	92G26CH



130 GCH - Tee female

Ø	3/8"	1/2"	3/4"	1"
box				
code	130G12CH	130G15CH	130G20CH	130G26CH



270 RCH - Nipple

Ø	3/8"	1/2"	3/4"
box	700	450	300
code	270R12CH	270R15CH	270R20CH



280 GCH - Equal nipple male/male

Ø	3/8"	1/2"	3/4"	1"
box	400	250	300	150
code	280G12CH	280G15CH	280G20CH	280G26CH



245 GCH - Reduced nipple male/male

Ø	1/2"-3/8"	3/4"-1/2"	1"-3/4"
box	550	300	130
code	245G1512CH	245G2015CH	245G2620CH



374 GCH - Nut female

Ø	10-3/8"	12-3/8"	12-1/2"	14-1/2"	16-1/2"	14-3/4"	16-3/4"	18-3/4"
box	500	500	350	500	500	450	450	350
code	374G1012CH	374G1212CH	374G1215CH	374G1415CH	374G1420CH	374G1615CH	374G1620CH	374G1820CH



300 GCH - Female cap

Ø	3/8"	1/2"	3/4"
box	300	400	350
code	300G12CH	300G15CH	300G20CH



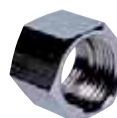
292 GCH - Male cap

Ø	3/8"	1/2"	3/4"
box	500	450	250
code	292G12CH	292G15CH	292G20CH



199 GCH - Reduced nut with thrust male

Ø	1/2"-3/8"	3/4"-1/2"	1"-3/4"
box	400	350	300
code	199G1512CH	199G2015CH	199G2620CH



270 GCH - Equal socket with thrust female

Ø	3/8"	1/2"	3/4"
box	300	200	200
code	270G12CH	270G15CH	270G20CH



241 GCH - Reduced nipple male/female

Ø	1/2"-3/8"	3/4"-1/2"	1"-3/4"
box	250	300	250
code	241G1512CH	241G2015CH	241G2620CH



240 GCH - Reduced nipple female

Ø	1/2"-3/8"	3/4"-1/2"
box	250	200
code	240G1512CH	240G2015CH



243 GCH - Nipple male/reduced female

Ø	1/2"-3/8"	3/4"-1/2"
box	300	300
code	243G1512CH	243G2015CH



246 GCH - Reduced nipple male/female

Ø	1/2"-3/8"	3/4"-1/2"	1"-3/4"
box	300	200	200
code	246G1512CH	246G2015CH	246G2620CH



Straight extension

Ø	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
box	320	240	160	80	192	144	96	48	128	96	64	32
L	25	50	75	100	25	50	75	100	25	50	75	100
code	RD02512CH	RD05012CH	RD07512CH	RD10012CH	RD02515CH	RD05015CH	RD07515CH	RD10015CH	RD02520CH	RD05020CH	RD07520CH	RD10020CH



246 ECH - Equal nipple male/female

Ø	3/8"	1/2"	3/4"	1"
box	250	250	200	150
code	246E12CH	246E15CH	246E20CH	246E26CH



Wall connection

Ø	1/2"	12*	14*
code	AMC	AMC12	AMC14

* with nut & gasket

To be ordered by pack of 10 pcs up to 1"; pack of 5 pcs above

Compression fittings with brass olive



thermador



704 B - Male fitting

Ø	1/4"-08	3/8"-08	3/8"-10	3/8"-12	3/8"-14	1/2"-12	1/2"-14	1/2"-15	1/2"-16	1/2"-18
box	1000	1000	1 000	550	550	550	550	550	500	400
code	704B0808	704B0812	704B1012	704B1212	704B1412	704B1215	704B1415	704B1515	704B1615	704B1815

Ø	3/4"-14	3/4"-16	3/4"-18	1"-22
box	400	350	350	150
code	704B1420	704B1620	704B1820	704B2226



700 B - Female fitting

Ø	1/4"-08	3/8"-08	3/8"-10	3/8"-12	3/8"-14	1/2"-10	1/2"-12	1/2"-14	1/2"-15	1/2"-16
box	1000	1000	1 000	500	500	500	600	500	500	400
code	700B0808	700B0812	700B1012	700B1212	700B1412	700B1015	700B1215	700B1415	700B1515	700B1615

Ø	3/4"-14	3/4"-16	3/4"-18
box	400	350	350
code	700B1420	700B1620	700B1820



703 B - Equal socket

Ø	10	12	14	15	16	18
box	500	400	400	400	400	200
code	703B10	703B12	703B14	703B15	703B16	703B18



703 BR - Reduced socket

Ø	12/10	14/10	14/12
box	400	400	400
code	703BR1210	703BR1410	703BR1412



Wall connection

Ø	1/2"-12	1/2"-14
code	AMB1215	AMB1415



705 B - Elbow

Ø	10	12	14	15	16	18
box	500	300	300	300	300	250
code	705B10	705B12	705B14	705B15	705B16	705B18



706 B - Tee

Ø	10	12	14	15	16	18
box	300	200	200	200	200	110
code	706B10	706B12	706B14	706B15	706B16	706B18



707 B - Elbow male

Ø	3/8"-10	3/8"-12	1/2"-12	1/2"-14	1/2"-16	3/4"-18	1"-22
box	500	400	350	350	350	200	100
code	707B1012	707B1212	707B1215	707B1415	707B1615	707B1820	707B2226



ES 700 - Nut

Ø	3/8"-10	3/8"-12	1/2"-12	1/2"-14	1/2"-16	5/8"-16	3/4"-18	3/4"-20	1"-22
code	ES7001210	ES7001212	ES7001512	ES7001514	ES7001516	ES7001716	ES7002018	ES7002020	ES7002622



BS700 - Olive

Ø	8	10	12	14	16	18	20	22
code	BS70008	BS70010	BS70012	BS70014	BS70016	BS70018	BS70020	BS70022

To be ordered by
pack of 10 pcs
up to Ø28;
individually above



Copper welding fittings

SANHA



For heating & sanitary, cold & hot water, gas oil & gas.

5001 A - Bend 90° Ftg x C male/female



Ø	10	12	14	15	16	18	22	28	32	35
box	1 500	900	700	550	550	350	200	100	80	65
code	5001A10	5001A12	5001A14	5001A15	5001A16	5001A18	5001A22	5001A28	5001A32	5001A35
Ø	36	40	42	52	54					
box	55	40	35	15	15					
code	5001A36	5001A40	5001A42	5001A52	5001A54					

5002 A - Bend 90° C x C female/female



Ø	10	12	14	15	16	18	22	28	32	35
box	1 400	1 000	550	550	500	350	200	100	95	65
code	5002A10	5002A12	5002A14	5002A15	5002A16	5002A18	5002A22	5002A28	5002A32	5002A35
Ø	40	42	52	54						
box	40	35	15	15						
code	5002A40	5002A42	5002A52	5002A54						

5040 - Bend 45° Ftg x C male/female



Ø	10	12	14	15	16	18	22	28	32	35
box	1 800	1 300	850	700	750	400	280	160	130	110
code	504010	504012	504014	504015	504016	504018	504022	504028	504032	504035
Ø	40	42	52	54						
box	70	60	25	30						
code	504040	504042	504052	504054						

5041 - Bend 45° C x C female/female



Ø	10	12	14	15	16	18	22	28	32	35
box	1 500	1 200	700	800	600	450	280	150	120	100
code	504110	504112	504114	504115	504116	504118	504122	504128	504132	504135
Ø	40	42	52	54						
box	70	60	25	25						
code	504140	504142	504152	504154						

5090 - Elbow 90° C x C female/female



Ø	6	8	10	12	14	15	16	18	20	22	
box	3 000	2 000	1 800	1 000	800	700	600	450	300	280	
code	509006	509008	509010	509012	509014	509015	509016	509018	509020	509022	
Ø	25	28	32	35	36	40	42	52	54		
box	200	150	120	90	65	55	55	20	20		
code	509025	509028	509032	509035	509036	509040	509042	509052	509054		

5092 - Bend 90° Ftg x C male/female



Ø	10	12	14	15	16	18	22	28	32	35
box	1 500	1 200	800	700	600	400	250	130	120	80
code	509210	509212	509214	509215	509216	509218	509222	509228	509232	509235
Ø	40	42	52	54						
box	55	50	20	20						
code	509240	509242	509252	509254						

5130 - Equal tee Ftg x Ftg x Ftg



Ø	6	8	10	12	14	15	16	18	22	25	28
box	3 000	1 500	1 000	800	500	500	400	300	160	120	90
code	513006TH	513008TH	513010	513012	513014	513015	513016	513018	513022	513025	513028

Ø	32	35	40	42	52	54
box	70	60	35	30	15	15
code	513032	513035	513040	513042	513052	513054

5130 - Reduced tee C x C x C



Ø	8/10/8	10/8/10	10/12/10	12/8/12	12/10/10	12/10/12	12/12/10	12/14/12	12/15/12	12/16/12	12/18/12
box	1 200	1 200	800	1 000	1 000	1000	800	600	500	450	350
code	5130081008	5130100810	5130101210	5130120812	5130121010	5130121012	5130121210	5130121412	5130121512	5130121612	5130121812

Ø	14/10/14	14/12/12	14/12/14	14/14/12	14/16/14	14/18/14	15/12/15	15/15/12	15/18/15	15/22/15	16/12/12
box	700	550	550	600	500	300	500	500	300	200	600
code	5130141014	5130141212	5130141214	5130141412	5130141614	5130141814	5130151215	5130151512	5130151815	5130152215	5130161212

Ø	16/12/14	16/12/16	16/14/12	16/14/14	16/14/16	16/16/12	16/16/14	16/18/14	16/18/16	16/22/16	18/12/12
box	500	500	500	500	500	450	400	300	300	200	400
code	5130161214	5130161216	5130161412	5130161414	5130161416	5130161612	5130161614	5130161814	5130161816	5130162216	5130181212

Ø	18/12/18	18/14/14	18/14/16	18/14/18	18/15/15	18/15/18	18/16/14	18/16/16	18/16/18	18/18/14	18/18/16
box	380	350	350	350	360	300	350	350	300	300	300
code	5130181218	5130181414	5130181416	5130181418	5130181515	5130181518	5130181614	5130181616	5130181618	5130181814	5130181816

Ø	18/22/18	22/12/22	22/14/18	22/14/22	22/15/15	22/15/22	22/16/16	22/16/18	22/16/22	22/18/16	22/18/18
box	200	250	250	250	250	200	250		200	250	250
code	5130182218	5130221222	5130221418	5130221422	5130221515	5130221522	5130221616	5130221618	5130221622	5130221816	5130221818

Ø	22/18/22	22/22/14	22/22/16	22/22/18	22/28/22	28/12/28	28/14/28	28/16/28	28/18/18	28/18/22	28/18/28
box	200	200	200	180	100	140	140	130	140	120	120
code	5130221822	5130222214	5130222216	5130222218	5130222822	5130281228	5130281428	5130281628	5130281818	5130281822	5130281828

Ø	28/22/22	28/22/28	28/28/18	28/28/22	28/35/28	32/22/32	32/28/32	35/18/35	35/22/28	35/22/35	35/28/28
box	100	100	100	80	65	90	80	100	90	85	80
code	5130282222	5130282228	5130282818	5130282822	5130283528	5130322232	5130322832	5130351835	5130352228	5130352235	5130352828

Ø	35/28/35	35/35/22	35/35/28	35/42/35	42/22/42	42/28/42	42/35/42	54/22/54	54/28/54	54/35/54	54/42/54
box	75	60	55	40	50	50	40	30	25	25	20
code	5130352835	5130353522	5130353528	5130354235	5130422242	5130422842	5130423542	5130542254	5130542854	5130543554	5130544254

5270 - Socket Ftg x Ftg female/female



Ø	6	8	10	12	14	15	16	18	20	22
box	3 500	3 000	1 700	1 500	1 200	1 000	1 000	700	400	400
code	527006TH	527008TH	527010	527012	527014	527015	527016	527018	527020	527022

Ø	28	32	35	36	40	42	52	54
box	200	200	170	150	100	90	50	45
code	527028	527032	527035	527036	527040	527042	527052	527054

5301 - Cap C female



Ø	10	12	14	15	16	18	22	28	35	42	54
box	3 000	2 500	2 000	1 500	1 200	1 000	800	400	250	150	90
code	530110	530112	530114	530115	530116	530118	530122	530128	530135	530142	530154

5240 - Reduced socket C x C female/female



Ø	8/6	10/8	12/10	14/10	14/12	15/12	15/14	16/10	16/12	16/14	16/15
box	3 000	2 000	1 500	1 400	1 000	1 100	1 000	1 200	1 200	1 000	1 100
code	52400806	52401008	52401210	52401410	52401412	52401512	52401514	52401610	52401612	52401614	52401615

Ø	18/10	18/12	18/14	18/15	18/16	20/18	22/12	22/14	22/16	22/18	22/20
box	900	900	800	800	700	500	500	500	500	500	400
code	52401810	52401812	52401814	52401815	52401816	52402018	52402212	52402214	52402216	52402218	52402220

Ø	28/12	28/14	28/16	28/18	28/20	28/22	32/22	32/28	35/22	35/28	40/28
box	300	280	280	280	280	280	200	180	150	140	
code	52402812	52402814	52402816	52402818	52402820	52402822	52403222	52403228	52403522	52403528	52404028

Ø	40/32	42/18	42/22	42/28	42/32	42/35	52/32	52/42	54/28	54/35	54/42
box	125	135	120			100			55	50	50
code	52404032	52404218	52404222	52404228	52404232	52404235	52405232	52405242	52405428	52405435	52405442

5243 - Reduced socket Ftg x C male/female



Ø	8/6	10/8	12/8	12/10	14/10	14/12	15/12	15/14	16/10	16/12	16/14
box	3 000	3 000	2 000	2 000	1 300	1 200	1 200	1 000	1 200	1 100	1 000
code	52430806	52431008	52431208	52431210	52431410	52431412	52431512	52431514	52431610	52431612	52431614

Ø	16/15	18/10	18/12	18/14	18/15	18/16	22/12	22/14	22/15	22/16	22/18
box	1 000	1 000	800	800	800	800	600	550	550	550	500
code	52431615	52431810	52431812	52431814	52431815	52431816	52432212	52432214	52432215	52432216	52432218

Ø	28/12	28/14	28/16	28/18	28/22	32/18	32/22	32/28	35/22	35/28	36/28
box	300	300	300	300	280	200	200	160	180	140	170
code	52432812	52432814	52432816	52432818	52432822	52433218	52433222	52433228	52433522	52433528	52433628

Ø	40/28	40/32	42/22	42/28	42/32	42/35	54/22	54/28	54/35	54/42
box		120	140	120		100	70	60	55	50
code	52434028	52434032	52434222	52434228	52434232	52434235	52435422	52435428	52435435	52435442

5060 - Bend 180° C x C female/female



Ø	10	12	15	16	18	22	28	35	42	54
box	800	500	200	200	180	90	55	20	12	5
code	506010	506012	506015	506016	506018	506022	506028	506035	506042	506054

5085 - Crossover C x C



Ø	12	14	15	16	18	22
box	300	200	200	180	120	70
code	508512	508514	508515	508516	508518	508522

5086 - Crossover Ftg x C



Ø	12	14	15	16	18	22
box	400	250	250	250	180	100
code	508612	508614	508615	508616	508618	508622

To be ordered by pack of 10 pcs up to Ø28; individually above



Copper press fittings

SANHA

Copper, bronze & brass fittings - EPDM gaskets - Max. temperature: 120°C - Max. pressure: 16 bar - The fittings can be pressed by any other brand tools - Electro-mechanical tool requirements: min. pressure 32 kN, max. pressure 40 kN, press clamp diameter 14 mm, min. press clamp opening 33 mm.



For copper pipes in accordance with EN 1057

■ Copper press fittings - heating and sanitary

6001 A - Bend Ftg x C



Ø	12	14	15	16	18	22	28	35	42	54
box	500	400	350	300	250	130	75	40	22	12
code	6001A12	6001A14	6001A15	6001A16	6001A18	6001A22	6001A28	6001A35	6001A42	6001A54

6002 A - Bend C x C



Ø	12	14	15	16	18	22	28	35	42	54
box	500	350	300	300	200	130	80	40	24	12
code	6002A12	6002A14	6002A15	6002A16	6002A18	6002A22	6002A28	6002A35	6002A42	6002A54

6040 - Bend 45° Ftg x C



Ø	12	14	15	16	18	22	28	35	42	54
box	600	400	400	400	300	180	90	50	30	18
code	604012	604014	604015	604016	604018	604022	604028	604035	604042	604054

6041 - Bend 45° C x C



Ø	12	14	15	16	18	22	28	35	42	54
box	600	400	350	400	250	160	100	50	30	18
code	604112	604114	604115	604116	604118	604122	604128	604135	604142	604154

6130 - Tee C x C x C



Ø	12	14	15	16	18	22	28	35	42	54	
box	350	250	200	200	150	80	60	30	22	12	
code	613012	613014	613015	613016	613018	613022	613028	613035	613042	613054	
Ø	12/15/12	15/12/12	15/12/15	15/15/12	15/18/15	16/14/14	16/14/16	18/12/18	18/14/18	18/15/15	18/15/18
box	300	300	280	250	180	250	250	200	200	200	180
code	6130121512	6130151212	6130151215	6130151512	6130151815	6130161414	6130161416	6130181218	6130181418	6130181515	6130181518
Ø	18/16/18	18/18/15	18/22/18	22/12/22	22/14/22	22/15/22	22/16/22	22/18/18	22/18/22	22/22/15	22/22/18
box	180	180	90	130	120	120	120	130	120	100	100
code	6130181618	6130181815	6130182218	6130221222	6130221422	6130221522	6130221622	6130221818	6130221822	6130222215	6130222218
Ø	22/28/22	28/14/28	28/15/28	28/18/18	28/18/22	28/18/28	28/22/22	28/22/28	28/28/15	28/28/18	28/28/22
box	70	80	80	100	90	70	70	60	60	60	70
code	6130222822	6130281428	6130281528	6130281818	6130281822	6130281828	6130282222	6130282228	6130282815	6130282818	6130282822
Ø	28/35/28	35/18/35	35/22/22	35/22/28	35/22/35	35/28/28	35/28/35	35/35/22	35/35/28	42/22/42	42/28/42
box	40	50	50	40	50	44	36	40	30	30	26
code	6130283528	6130351835	6130352222	6130352228	6130352235	6130352828	6130352835	6130353522	6130353528	6130422242	6130422842
Ø	42/35/35	42/35/42	54/22/54	54/28/54	54/35/54	54/42/54					
box	24	24	18	14	14	14					
code	6130423535	6130423542	6130542254	6130542854	6130543554	6130544254					



6240 - Reduced socket C x C

Ø	14/12	15/12	16/14	18/12	18/14	18/15	18/16	22/14	22/15	22/16
box	500	600	400	400	350	350	350	250	250	250
code	62401412	62401512	62401614	62401812	62401814	62401815	62401816	62402214	62402215	62402216

Ø	22/18	28/14	28/15	28/16	28/18	28/22	35/22	35/28	42/22	42/28
box	250	180	160	160	150	125	100	80	70	60
code	62402218	62402814	62402815	62402816	62402818	62402822	62403522	62403528	62404222	62404228

Ø	42/35	54/28	54/35	54/42
box	44	40	40	30
code	62404235	62405428	62405435	62405442



6243 - Fitting reducer Ftg x C

Ø	14/12	15/12	16/12	16/14	18/12	18/15	18/16	22/14	22/15	22/16
box	600	600	600	500	500	360	360	350	350	350
code	62431412	62431512	62431612	62431614	62431812	62431815	62431816	62432214	62432215	62432216

Ø	22/18	28/14	28/15	28/16	28/18	28/22	35/22	35/28	42/22	42/28
box	300	250	200	250	200	150	100	100	70	70
code	62432218	62432814	62432815	62432816	62432818	62432822	62433522	62433528	62434222	62434228

Ø	42/35	54/35	54/42
box	60	40	36
code	62434235	62435435	62435442



6085 - Crossover

Ø	12	14	15	16	18	22
box	200	200	150	150	90	50
code	608512	608514	608515	608516	608518	608522



6086 - Crossover

Ø	12	14	15	16	18	22
box	300	200	200	200	150	80
code	608612	608614	608615	608616	608618	608622



6270 - Socket C x C

Ø	12	14	15	16	18	22	28	35	42	54
box	600	550	500	400	300	200	125	80	40	32
code	627012	627014	627015	627016	627018	627022	627028	627035	627042	627054



6270 S - Long socket C x C

Ø	12	15	18	22	28	35	42	54
box	700	300	250	150	100	50	40	24
code	6270S12	6270S15	6270S18	6270S22	6270S28	6270S35	6270S42	6270S54



6301 - Cap C

Ø	12	14	15	16	18	22	28	35	42	54
box	1 000	900	800	800	700	300	250	120	90	50
code	630112	630114	630115	630116	630118	630122	630128	630135	630142	630154

■ Press fittings "iron-copper". Bronze fittings - Brass fittings

8090 G - Bend C x female



Ø	12-3/8"	12-1/2"	14-1/2"	15-1/2"	15-3/4"	16-1/2"	18-1/2"	18-3/4"	22-1/2"	22-3/4"
box	150	150	150	150	100	150	150	100	100	80
code	8090G1212	8090G1215	8090G1415	8090G1515	8090G1520	8090G1615	8090G1815	8090G1820	8090G2215	8090G2220

Ø	22-1"	28-1"	35-1"1/4	42-1"1/2	54-2"
box	40	30	20	12	6
code	8090G2226	8090G2826	8090G3533	8090G4240	8090G5450

8092 G - Bend C x male



Ø	12-3/8"	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	18-3/4"	22-1/2"	22-3/4"	28-1"	35-1"1/4
box	250	250	250	200	150	160	120	100	80	50	30
code	8092G1212	8092G1215	8092G1415	8092G1515	8092G1615	8092G1815	8092G1820	8092G2215	8092G2220	8092G2826	8092G3533

Ø	42-1"1/2	54-2"
box	12	8
code	8092G4240	8092G5450

8243 G - Male adaptor C x male



Ø	12-3/8"	12-1/2"	14-1/2"	15-3/8"	15-1/2"	15-3/4"	16-1/2"	16-3/4"	18-1/2"	18-3/4"	22-1/2"
box	400	350	300	400	300	200	300	200	200	200	150
code	8243G1212	8243G1215	8243G1415	8243G1512	8243G1515	8243G1520	8243G1615	8243G1620	8243G1815	8243G1820	8243G2215

Ø	22-3/4"	22-1"	28-3/4"	28-1"	28-1"1/4	35-1"	35-1"1/4	35-1"1/2	42-1"1/4	42-1"1/2	54-1"1/2
box	120	100	100	100	70	70	50	50	40	40	20
code	8243G2220	8243G2226	8243G2820	8243G2826	8243G2833	8243G3526	8243G3533	8243G3540	8243G4233	8243G4240	8243G5440

Ø	54-2"
box	16
code	8243G5450

8246 G - Female adaptor Ftg x F



Ø	12-1/2"	15-1/2"	18-1/2"	18-3/4"	22-1/2"	22-3/4"	28-3/4"	28-1"	35-1"1/4	42-1"1/2	54-2"
box	250	200	200	150	200	150	120	80	40	26	16
code	8246G1215	8246G1515	8246G1815	8246G1820	8246G2215	8246G2220	8246G2820	8246G2826	8246G3533	8246G4240	8246G5450

8270 G - Female adaptor Ftg x M



Ø	12-3/8"	12-1/2"	14-3/8"	14-1/2"	15-1/2"	15-3/4"	16-1/2"	16-3/4"	18-1/2"	18-3/4"	22-1/2"
box	400	300	300	250	250	150	250	150	200	150	150
code	8270G1212	8270G1215	8270G1412	8270G1415	8270G1515	8270G1520	8270G1615	8270G1620	8270G1815	8270G1820	8270G2215

Ø	22-3/4"	22-1"	28-3/4"	28-1"	28-1"1/4	35-1"	35-1"1/4	35-1"1/2	42-1"1/4	42-1"1/2	54-1"1/2
box	120	80	100	80	40	60	40	30	30	30	24
code	8270G2220	8270G2226	8270G2820	8270G2826	8270G2833	8270G3526	8270G3533	8270G3540	8270G4233	8270G4240	8270G5440

Ø	54-2"
box	20
code	8270G5450

8280 G - Male adaptor Ftg x M



Ø	12-1/2"	15-1/2"	18-1/2"	18-3/4"	22-3/4"	28-3/4"	28-1"	35-1"1/4	42-1"1/2	54-2"
box	350	350	250	150	150	100	60	40	30	16
code	8280G1215	8280G1515	8280G1815	8280G1820	8280G2220	8280G2820	8280G2826	8280G3533	8280G4240	8280G5450

8330 - Union flat joint C x C



Ø	15	18	22	28	35	42	54
box	100	100	60	40	30	18	10
code	833015	833018	833022	833028	833035	833042	833054

8330 G - Union flat joint C x female



Ø	15-1/2"	15-3/4"	18-1/2"	18-3/4"	22-3/4"	22-1"	28-3/4"	28-1"	35-1"1/4	42-1"1/4
box	120	80	120	80	60	50	40	40	30	20
code	8330G1515	8330G1520	8330G1815	8330G1820	8330G2220	8330G2226	8330G2820	8330G2826	8330G3533	8330G4240

Ø	54-2"
box	10
code	8330G5450

8333 G - Union flat joint C x male



Ø	12-3/8"	12-1/2"	15-1/2"	15-3/4"	18-1/2"	18-3/4"	22-1/2"	22-3/4"	22-1"	28-3/4"
box	150	150	120	100	100	80	60	60	60	40
code	8333G1212	8333G1215	8333G1515	8333G1520	8333G1815	8333G1820	8333G2215	8333G2220	8333G2226	8333G2820

Ø	28-1"	35-1"1/4	42-1"1/2	54-2"
box	40	20	12	8
code	8333G2826	8333G3533	8333G4240	8333G5450

8359 G - Half union flat joint



Ø	12-1/2"	12-3/4"	14-3/8"	14-1/2"	15-3/4"	15-1"	16-3/4"	18-3/4"	18-1"	22-3/4"
box	350	200	300	300	200	120	200	160	120	120
code	8359G1215	8359G1220	8359G1412	8359G1415	8359G1520	8359G1526	8359G1620	8359G1820	8359G1826	8359G2220

Ø	22-1"	22-1"1/4	22-1"1/2	28-1"1/4	28-1"1/2	35-1"1/2	35-2"	42-2"
box	100	80	60	80	50	40	30	30
code	8359G2226	8359G2233	8359G2240	8359G2833	8359G2840	8359G3540	8359G3550	8359G4250

8130 G - Tee C x F x C



Ø	12-1/2"-12	14-1/2"-14	15-1/2"-15	16-1/2"-16	18-1/2"-18	22-1/2"-22	22-3/4"-22	28-1/2"-28	28-3/4"-28	35-1/2"-35
box	150	120	100	100	90	60	50	40	40	30
code	8130G121512	8130G141514	8130G151515	8130G161516	8130G181518	8130G221522	8130G222022	8130G281528	8130G282028	8130G351535

Ø	35-1"-35	42-1/2"-42	42-1"-42	54-1/2"-54
box	20	18	16	10
code	8130G352635	8130G421542	8130G422642	8130G541554

8472 G - Wall connection C x F



Ø	12-1/2"	14-1/2"	15-1/2"	16-1/2"	18-1/2"	18-3/4"	22-1/2"	22-3/4"
box	120	100	100	100	90	60	60	60
code	8472G1215	8472G1415	8472G1515	8472G1615	8472G1815	8472G1820	8472G2215	8472G2220

8096 G - Union elbow C x F



Ø	12-1/2"	15-1/2"	18-1/2"	18-3/4"	22-3/4"	22-1"	28-1"	35-1"1/4	42-1"1/2	54-2"
box	120	100	80	50	50	25	25	16	10	6
code	8096G1215	8096G1515	8096G1815	8096G1820	8096G2220	8096G2226	8096G2826	8096G3533	8096G4240	8096G5450

Reduced elbows female/female center distance 150 mm



Ø	1/2"-15
box	20
code	8976G1515

Brass fittings for polyethylene pipes



Agreements: DIN 8076-1 - Excluded from 97/23/CE directive (article 1, § 3.2) -
 Max. pressure 16 bar up to DN63, 10 bar above - Max. temperature 40°C -
 Male conical bearing - NBR gasket.



Male fitting



Ø	20-1/2"	25-1/2"	25-3/4"	32-1"	40-1"1/4	50-1"1/2	63-2"	75-2"1/2	90-3"
code	811420	811524	811525	811632	811740	811850	811963	861075	861090

Female fitting



Ø	20-1/2"	25-1/2"	25-3/4"	32-1"	40-1"1/4	50-1"1/2	63-2"	75-2"1/2	90-3"
code	810420	810524	810525	810632	810740	810850	810963	860075	860090

Equal double connection



Ø	20	25	32	40	50	63	75	90
code	813020	813025	813032	813040	813050	813063	863075	863090

Reduced male fitting



Ø	25-1/2"	32-3/4"	40-1"	50-1"1/4	63x1"1/2
code	862425	862532	862640	862750	862863

Elbow male fitting



Ø	20-1/2"	25-3/4"	32-1"	40-1"1/4	50-1"1/2	63-2"	75-2"1/2
code	817420	817525	817632	817740	817850	817963	867075

Elbow female fitting



Ø	20-1/2"	25-3/4"	32-1"	40-1"1/4	50-1"1/2	63-2"
code	818420	818525	818632	818740	818850	818963

Wall connection female



Ø	20-1/2"	25-1/2"	25-3/4"
code	819420	819425	819525

Long double connection for repairing



Ø	25	32	40	50
code	870025	870032	870040	870050



Equal tee

Ø	20	25	32	40	50	63	75	90
code	814020	814025	814032	814040	814050	814063	864075	864090



Elbow socket

Ø	20	25	32	40	50	63	75
code	816020	816025	816032	816040	816050	816063	866075



Tee female/male

Ø	20-1/2"M-3/8"F	25-1/2"M-1/2"M	25-3/4"M-1/2"F	32-1"M-3/4"F	40-1"1/4M-1"F	50-1"1/2M-1"1/4F	63-2"M-2"M	75-2"1/2M-2"F	90-3"M-2"1/2F
code	815420	815524	815525	815632	815740	815850	815963	865075	865090



Ball valve with free nut

after water meter

Ø	25-3/4"	25-1"	32-3/4"	32-1"
code	490254	490264	490354	490364

Fitting with free nut



Ø	25-3/4"	32-1"
code	459254	459324



Ball valve with free nut & drain outlet

after water meter

Ø	25-3/4"
code	491254

Spare rings



Ø	20	25	32
code	498204	498254	498324

■ Polyethylene pipes

Black pipes

For underground watering and irrigation.



6,3 bar

Ø 20	
Length (m)	code
* 10	005520
* 25	005620
* 50	005720
* 100	005820

Ø 25	
Length (m)	code
* 10	005525
** 25	005625
** 50	005725
** 100	005825

Ø 32	
Length (m)	code
* 10	005532
** 25	005632
** 50	005732
** 100	005832

* Low density ** High density

Blue strip pipes

High density - For drinking water distribution.



16 bar

Ø 20	
Length (m)	code
10	006520
25	006620
50	006720
100	006820

Ø 25	
Length (m)	code
10	006525
25	006625
50	006725
100	006825

12,5 bar

Ø 32	
Length (m)	code
10	005582
25	005682
50	005782
100	005882

Polypropylene fittings for polyethylene pipes



Max. pressure 16 bar - Max. temperature 40°C.



Male

Ø	16-1/2"	20-1/2"	25-3/4"	32-1"	40-1"1/4"
code	404160	404200	404250	404320	404400



Female

Ø	20-1/2"	25-3/4"	32-1"	40-1"1/4"
code	408200	408250	408320	408400



Elbow female

Ø	16-1/2"	20-1/2"	25-3/4"	32-1"	40-1"1/4"
code	412160	412200	412250	412320	412400



Elbow male

Ø	20-1/2"	25-3/4"	32-1"	40-1"1/4"
code	414200	414250	414320	414400



Tee female

Ø	20-1/2"	25-3/4"	32-1"	40-1"1/4"
code	416200	416250	416320	416400



Elbow equal double connection

Ø	20	25	32	40
code	418200	418250	418320	418400



Equal double connection

Ø	16	20	25	32	40
code	420160	420200	420250	420320	420400



Reduced double connection

Ø	25-20	32-25	40-32
code	422250	422320	422400



Equal tee

Ø	16	20	25	32	40
code	424160	424200	424250	424320	424400



Reduced tee

Ø	25-20	32-25
code	426250	426320



Cap

Ø	16	20	25	32	40
code	432160	432200	432250	432320	432400



Wall connection elbow

Ø	25
code	450250



Tapping bridge 2 bolts

Ø	20-1/2"	25-1/2"	25-3/4"	32-1/2"	32-3/4"	40-3/4"	40-1"	50-1"
code	436200	436240	436250	436340	436350	436450	436460	436560



PTFE band (sold by 10)
12 m long, 12 mm wide,
0,075 mm thick.

code	262204
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Compression ball valve

Ø	20	25	32
code	439200	439250	439320



Threaded ball valve

Ø	1/2"	3/4"	1"	1"1/2"
code	440040	440050	440060	440070

Galvanized carbon steel system - Serti-Steel

NEW



Press fitting system for heating, solar heating, air conditioning & compressed air installations - Advantages: easy to instal, very reliable, low weight, no fire risk during installation - Material: galvanized carbon steel 1.0225 up to Ø 54, 1.0308 above - 10 µm thickness galvanization - Red marking on each fitting - Toroidal seat for better tightness - Manufactured according to UNI EN ISO9001/2000 - Supplied with EPDM (black) gasket, with leakage detection system for Ø 15 to 54 - FKM (green) gasket available for solar application - Lens designed gasket for better tightness - Max. pressure: 16 bar - Temperature range: -20°C/+120°C with EPDM gasket, -20°C/+220°C with FKM gasket - M type press jaw - The pipes are only sold by multiple of below mentioned packs - Large quantities: please consult for special quotation.

Galvanized pipes



Ø	Ø int (mm)	Weight (kg/m)	Water volume (l/m)	Pack (m)	code
12 x 1,2	9,6	0,320	0,072	1014	EZ12
15 x 1,2	12,6	0,408	0,125	1014	EZ15
18 x 1,2	15,6	0,497	0,191	1014	EZ18
22 x 1,5	19	0,824	0,284	762	EZ22
28 x 1,5	25	1,052	0,491	546	EZ28
35 x 1,5	32	1,320	0,804	546	EZ35
42 x 1,5	39	1,620	1,194	366	EZ42
54 x 1,5	51	2,098	2,042	366	EZ54
76,1 x 2,0	72,1	3,652	4,080	114	EZ76
88,9 x 2,0	84,9	4,290	5,660	114	EZ88
108 x 2,0	104	5,230	8,490	114	EZ108

PP coating galvanized pipes*



Ø	Ø int (mm)	Weight (kg/m)	Water volume (l/m)	Pack (m)	code
12 x 1,2	9,6	0,320	0,072	1014	EZ12P
15 x 1,2	12,6	0,408	0,125	1014	EZ15P
18 x 1,2	15,6	0,497	0,191	1014	EZ18P
22 x 1,5	19	0,824	0,284	762	EZ22P
28 x 1,5	25	1,052	0,491	546	EZ28P
35 x 1,5	32	1,320	0,804	546	EZ35P
42 x 1,5	39	1,620	1,194	366	EZ42P
54 x 1,5	51	2,098	2,042	366	EZ54P
76,1 x 2,0	72,1	3,652	4,080	114	EZ76P
88,9 x 2,0	84,9	4,290	5,660	114	EZ88P
108 x 2,0	104	5,230	8,490	114	EZ108P

* air conditioning use

Elbow 90° female/female



Ø	12	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	10	10	5	2	2	2	2	2
code	EZCFF12	EZCFF15	EZCFF18	EZCFF22	EZCFF28	EZCFF35	EZCFF42	EZCFF54	EZCFF76	EZCFF88	EZCFF108

Elbow 90° male/female



Ø	12	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	10	10	5	2	2	2	2	2
code	EZCFM12	EZCFM15	EZCFM18	EZCFM22	EZCFM28	EZCFM35	EZCFM42	EZCFM54	EZCFM76	EZCFM88	EZCFM108

Elbow 45° female/female



Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	10	10	4	2	2	2	2	2
code	EZCFF4515	EZCFF4518	EZCFF4522	EZCFF4528	EZCFF4535	EZCFF4542	EZCFF4554	EZCFF4576	EZCFF4588	EZCFF45108

Elbow 45° male/female



Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	10	10	4	2	2	2	2	2
code	EZCFM4515	EZCFM4518	EZCFM4522	EZCFM4528	EZCFM4535	EZCFM4542	EZCFM4554	EZCFM4576	EZCFM4588	EZCFM45108

Angle elbow 90° threaded male



Ø	15-3/8"	15-1/2"	18-1/2"	22-3/4"
pack	20	20	20	10
code	EZEQM815	EZEQM215	EZEQM218	EZEQM422

Angle elbow 90° threaded female



Ø	22-3/4"	28-1/2"	28-3/4"
pack	10	10	10
code	EZEQF422	EZEQF228	EZEQF428

Equal tee



Ø	12	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	20	10	4	4	2	2	2	2
code	EZT12	EZT15	EZT18	EZT22	EZT28	EZT35	EZT42	EZT54	EZT76	EZT88	EZT108



Enhanced tee

Ø	12-15-12	15-18-15	15-22-15	18-22-18	22-28-22
pack	20	20	10	10	10
code	EZTR1215	EZTR1518	EZTR1522	EZTR1822	EZTR2228



Tee threaded female

Ø	15-1/2"-15	18-1/2"-18	22-1/2"-22	22-3/4"-22	28-1/2"-28	28-3/4"-28	28-1"-28	35-1/2"-35	35-3/4"-35	35-1"-35
pack	20	20	10	10	10	10	5	5	5	5
code	EZTF215	EZTF218	EZTF222	EZTF422	EZTF228	EZTF428	EZTF1028	EZTF235	EZTF435	EZTF1035

Ø	42-1/2"-42	42-3/4"-42	54-1/2"-54	54-3/4"-54	76,1-1/2"-76,1	76,1-3/4"-76,1	88,9-1/2"-88,9	88,9-3/4"-88,9	108-1/2"-108	108-3/4"-108
pack	4	4	2	2	2	2	2	2	2	2
code	EZTF242	EZTF442	EZTF254	EZTF454	EZTF276	EZTF476	EZTF288	EZTF488	EZTF2108	EZTF4108



Reduced tee

Ø	15-12-15	18-12-18	18-15-18	22-12-22	22-15-22	22-18-22	28-15-28	28-18-28	28-22-28
pack	20	20	20	10	10	10	10	10	10
code	EZTR1512	EZTR1812	EZTR1815	EZTR2212	EZTR2215	EZTR2218	EZTR2815	EZTR2818	EZTR2822

Ø	35-15-35	35-18-35	35-22-35	35-28-35	42-22-42	42-28-42	42-35-42	54-22-54	54-28-54
pack	5	5	5	5	4	4	4	2	2
code	EZTR3515	EZTR3518	EZTR3522	EZTR3528	EZTR4222	EZTR4228	EZTR4235	EZTR5422	EZTR5428

Ø	54-35-54	54-42-54	76,1-22-76,1	76,1-28-76,1	76,1-35-76,1	76,1-42-76,1	76,1-54-76,1	88,9-28-88,9	88,9-35-88,9
pack	2	2	2	2	2	2	2	2	2
code	EZTR5435	EZTR5442	EZTR7622	EZTR7628	EZTR7635	EZTR7642	EZTR7654	EZTR8828	EZTR8835

Ø	88,9-42-88,9	88,9-54-88,9	88,9-76,1-88,9	108-28-108	108-35-108	108-42-108	108-54-108	108-76,1-108	108-88,9-108
pack	2	2	2	2	2	2	2	2	2
code	EZTR8842	EZTR8854	EZTR8876	EZTR10828	EZTR10835	EZTR10842	EZTR10854	EZTR10876	EZTR10888



Equal nipple

Ø	12	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	20	10	10	4	2	4	4	2
code	EZMA12	EZMA15	EZMA18	EZMA22	EZMA28	EZMA35	EZMA42	EZMA54	EZMA76	EZMA88	EZMA108



Long equal nipple

Ø	12	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	20	10	10	4	4	2	2	2
code	EZMAL12	EZMAL15	EZMAL18	EZMAL22	EZMAL28	EZMAL35	EZMAL42	EZMAL54	EZMAL76	EZMAL88	EZMAL108



Reducer male/female

Ø	15-12	18-12	18-15	22-12	22-15	22-18	28-15	28-18	28-22	35-22
pack	20	20	20	20	20	20	20	20	20	10
code	EZRED1512	EZRED1812	EZRED1815	EZRED2212	EZRED2215	EZRED2218	EZRED2815	EZRED2818	EZRED2822	EZRED3522

Ø	35-28	42-22	42-28	42-35	54-22	54-28	54-35	54-42	76,1-42	76,1-54
pack	10	4	4	4	4	4	4	4	4	4
code	EZRED3528	EZRED4222	EZRED4228	EZRED4235	EZRED5422	EZRED5428	EZRED5435	EZRED5442	EZRED7642	EZRED7654



Adapter male

Ø	12-3/8"	15-3/8"	15-1/2"	15-3/4"	18-1/2"	18-3/4"	22-1/2"	22-3/4"	22-1"	28-3/4"
pack	20	20	20	10	20	10	10	10	10	10
code	EZJAM812	EZJAM815	EZJAM215	EZJAM415	EZJAM218	EZJAM418	EZJAM222	EZJAM422	EZJAM1022	EZJAM428

Ø	28-1"	28-1"1/4	35-1"	35-1"1/4	35-1"1/2	42-1"1/2	54-2"	76,1-2"1/2	88,9-3"	108-4"
pack	10	5	5	5	5	4	4	2	2	2
code	EZJAM1028	EZJAM1428	EZJAM1035	EZJAM1435	EZJAM1235	EZJAM1242	EZJAM2054	EZJAM2276	EZJAM3088	EZJAM40108



Adapter female

Ø	12-1/2"	15-3/8"	15-1/2"	15-3/4"	18-1/2"	18-3/4"	22-1/2"	22-3/4"	22-1"	28-1/2"	28-3/4"	28-1"	35-1"
pack	20	20	20	10	20	10	10	10	10	20	10	10	5
code	EZJAF212	EZJAF815	EZJAF215	EZJAF415	EZJAF218	EZJAF418	EZJAF222	EZJAF422	EZJAF1022	EZJAF228	EZJAF428	EZJAF1028	EZJAF1035



Union connector male

Ø	15-1/2"	18-1/2"	22-3/4"	28-1"	35-1"1/4"	42-1"1/2"	54-2"
pack	2	2	2	2	2	2	2
code	EZUMCO215	EZUMCO218	EZUMCO422	EZUMCO1028	EZUMCO1435	EZUMCO1242	EZUMCO2054



Union connector female

Ø	15-1/2"	18-1/2"	22-3/4"	28-1"	35-1"1/4"	42-1"1/2"	54-2"
pack	2	2	2	2	2	2	2
code	EZUFCY215	EZUFCY218	EZUFCY422	EZUFCY1028	EZUFCY1435	EZUFCY1242	EZUFCY2054



Free nut female

Ø	15-3/4"	18-3/4"	22-1"	28-1"1/4"	35-1"1/2"	42-1"3/4"	54-2"3/8"
pack	10	10	10	10	4	2	2
code	EZE415	EZE418	EZE1022	EZE1428	EZE1235	EZE13442	EZE2854



Elbow male threaded

Ø	12-3/8"	15-3/8"	15-1/2"	18-1/2"	22-3/4"	28-1"	35-1"1/4"	42-1"1/2"	54-2"
pack	20	20	20	20	10	10	5	2	2
code	EZCFM812	EZCFM815	EZCFM215	EZCFM218	EZCFM422	EZCFM1028	EZCFM1435	EZCFM1242	EZCFM2054



Reduction socket female

Ø	15-1/2"	18-1/2"	18-3/4"	22-1/2"	22-3/4"
pack	20	20	20	20	20
code	EZJAFEM215	EZJAFEM218	EZJAFEM418	EZJAFEM222	EZJAFEM422



Cap female

Ø	12	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	10	10	10	5	4	4	2	2	2
code	EZBOUF12	EZBOUF15	EZBOUF18	EZBOUF22	EZBOUF28	EZBOUF35	EZBOUF42	EZBOUF54	EZBOUF76	EZBOUF88	EZBOUF108



Adjusting elbow 15°

Ø	28	35	42	54
pack	10	4	2	4
code	EZCAJ2815	EZCAJ3515	EZCAJ4215	EZCAJ5415



Adjusting elbow 30°

Ø	28	35	42	54
pack	10	4	2	4
code	EZCAJ2830	EZCAJ3530	EZCAJ4230	EZCAJ5430



Adjusting elbow 90°

Ø	15	18	22	28	35	42	54
pack	20	20	10	10	4	2	2
code	EZCAJ15	EZCAJ18	EZCAJ22	EZCAJ28	EZCAJ35	EZCAJ42	EZCAJ54



Flange PN16

Ø	15	18	22	28	35	42	54	76,1	88,9	108
DN	15	15	20	25	32	40	50	65	80	100
pack	2	2	2	2	2	2	2	2	2	2
code	EZBRI1615	EZBRI1618	EZBRI1622	EZBRI1628	EZBRI1635	EZBRI1642	EZBRI1654	EZBRI1676	EZBRI1688	EZBRI16108



Overpass

Ø	12	15	18	22	28
pack	10	10	10	10	10
code	EZBAI12	EZBAI15	EZBAI18	EZBAI22	EZBAI28



Reduced pipe to be welded

Ø	17,2	17,2	21,3	26,9	33,7	42,4	48,3	60,3
pack	10	10	10	10	5	5	5	2
code	EZTUB1712	EZTUB1715	EZTUB2118	EZTUB2622	EZTUB3328	EZTUB4235	EZTUB4842	EZTUB6054



EPDM gasket (black)

Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	20	20	20	20	10	10	10
code	EZJORM15	EZJORM18	EZJORM22	EZJORM28	EZJORM35	EZJORM42	EZJORM54	EZJORM76	EZJORM88	EZJORM108



FKM gasket (green)

Ø	15	18	22	28	35	42	54	76,1	88,9	108
pack	20	20	20	20	20	20	20	10	10	10
code	EZJOSOL15	EZJOSOL18	EZJOSOL22	EZJOSOL28	EZJOSOL35	EZJOSOL42	EZJOSOL54	EZJOSOL76	EZJOSOL88	EZJOSOL108



Cutter-pipe Ø 15 to 70

code	
EZCT	



Off-burr tool Ø 15 to 54

code	
EZEBA54	



Template Ø 15 to 54

code	
EZGAB	



Cutter-pipe blade Ø 15 to 70

code	
EZCTLA	



Off-burr tool Ø 63 to 110

code	
EZEBA110	



Fittings protection band

code	
EZRUB	

5 cm x 9,15 m



Press plier Ø 15 to 22

code	
PINK	



Press jaw Ø 15 to 22

Ø	15	18	22
code	EZMAC15	EZMAC18	EZMAC22



Press plier Ø 15 to 54

code	
SER54	



Press jaw Ø 15 to 54

Ø	15	18	22	28	35
code	EZMACSER15	EZMACSER18	EZMACSER22	EZMACSER28	EZMACSER35



Chain support Ø 42 to 54

code	
EZSUPCHA54	



Chain Ø 42 to 54

Ø	42	54
code	EZCHA42	EZCHA54



Press plier Ø 15 to 108

code	
SER108	

Ø 76,1 to 108: max. pressure 10 bar



Press jaw Ø 15 to 35

Ø	15	18	22	28	35
code	EZMACSER15	EZMACSER18	EZMACSER22	EZMACSER28	EZMACSER35



Chain support Ø 42 to 108

Ø	42 to 54	76,1 to 108
code	EZSUPCHA54	EZSUPCHA108



Chain Ø 42 to 108

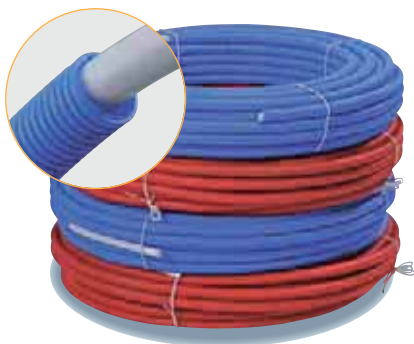
Ø	42	54	76,1	88,9	108
code	EZCHA42	EZCHA54	EZCHA76	EZCHA88	EZCHA108

Multilayer pipes system

FRÄNKISCHE

Multilayer pipes

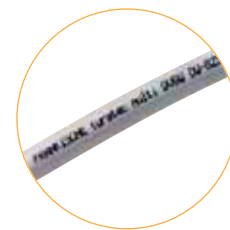
PE-RT/AL/PE-RT (Aluminium core with an inner & outer layer of high temperature stabilized polyethylene - PE) - Aluminium thickness: min. 0,2 mm - Each meter stamped - 10 years guarantee.



Single pipe

Sold in coil

Ø	Coil length (m)	code
16 x 2	25	MCT1625
16 x 2	100	MCT16100
16 x 2	200	MCT16200
16 x 2	240	MCT16240
16 x 2	500	MCT16500
20 x 2	25	MCT2025
20 x 2	100	MCT20100
20 x 2	200	MCT20200
26 x 3	50	MCT2650
32 x 3	50	MCT3250



Sold in bar (5 m)

Ø	Pack (m)	code
16 x 2	5 x 15	MCT16
20 x 2	5 x 10	MCT20
26 x 3	5 x 5	MCT26
32 x 3	5 x 4	MCT32

Pre-sheathed pipes

Sold in coil

Ø	Coil length (m)	blue code	red code
16 x 2	25	MCTPB1625	MCTPR1625
16 x 2	50	MCTPB1650	MCTPR1650
16 x 2	100	MCTPB16100	MCTPR16100
20 x 2	25	MCTPB2025	MCTPR2025
20 x 2	50	MCTPB2050	MCTPR2050
20 x 2	100	MCTPB20100	MCTPR20100
26 x 3	50	MCTPB2650	MCTPR2650

Pre-insulated pipe

Sold in coil

Ø	Coil length (m)	Insulation thickness (mm)	code
16 x 2	50	9	MCT1650C9
20 x 2	50	9	MCT2050C9
26 x 3	25	9	MCT2625C9
32 x 3	25	9	MCT3225C9

Clamps



Single

Without peg

Ø	pcs per barrel	code
16	100	FIXALS16
20	100	FIXALS20
26	50	FIXALS26

With peg

Ø	pcs per barrel	code
16	100	FIXALSB16
20	100	FIXALSB20
26	50	FIXALSB26

Double

Without peg

Ø	pcs per barrel	code
16	100	FIXALD16
20	100	FIXALD20

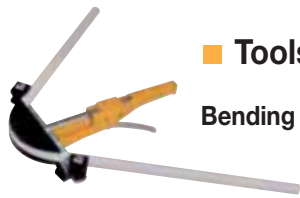
With peg

Ø	pcs per barrel	code
16	100	FIXALDB16
20	100	FIXALDB20

Peg

pcs per barrel	code
200	BAGALP

Tools



Bending machine

code
CINR



Straightener

Ø 16 & 20

code
MCRED

Sizing tool & chamfer



Ø 16 to 32

Ø 40

Ø 50

Ø 63

Ø 75

code
MCCAL32
MCCAL40
MCCAL50
MCCAL63
MCCAL75

Cutter-pipe



Ø 10 to 26 pipe

Ø 16 to 75 pipe

code
MCCT
MCCT75

Tools for radial press fittings

Press plier

code
PINK

Electric press plier



code
PINPFL



Press jaw (only for press plier PINK)

Ø	16	20	26	32
code	MACK16	MACK20	MACK26	MACK32



Press jaw - F type

Ø	16	20	26	32	40	50	63	75
code	MCMAC16	MCMAC20	MCMAC26	MCMAC32	MCMAC40	MCMAC50	MCMAC63	MCMAC75

Radial press fittings for multilayer pipes

Radial press F type - Compatible with TH & B types from Ø 16 to Ø 32 only.



Free nut

Ø	3/8"-16	1/2"-16	3/4"-16	1/2"-20	3/4"-20	1"-20	3/4"-26	1"-26	1"-32	1"1/4-32
pack	10	10	10	10	10	10	5	5	5	5
code	MCRE816	MCRE216	MCRE416	MCRE220	MCRE420	MCRE1020	MCRE426	MCRE1026	MCRE1032	MCRE1432

Ø	1"1/2-32	1"1/4-40	1"1/2-40	2"-50	2"-63
pack	5	3	3	2	2
code	MCRE1232	MCRE1440	MCRE1240	MCRE2050	MCRE2063



Female

Ø	1/2"-16	1/2"-20	3/4"-20	3/4"-26	1"-26	1"-32	1"-40	1"1/4-40	1"1/2-50	2"-63
pack	10	10	10	5	5	5	5	3	2	1
code	MCRF216	MCRF220	MCRF420	MCRF426	MCRF1026	MCRF1032	MCRF1040	MCRF1440	MCRF1250	MCRF2063



Male

Ø	3/8"-16	1/2"-16	1/2"-20	3/4"-20	1"-20	3/4"-26	1"-26	1"-32	1"-40	1"1/4-40
pack	10	10	10	10	10	5	5	5	3	3
code	MCRM816	MCRM216	MCRM220	MCRM420	MCRM1020	MCRM426	MCRM1026	MCRM1032	MCRM1040	MCRM1440

Ø	1"1/2-40	1"1/2-50	2"-50	2"-63	2"1/2-75
pack	3	2	2	1	1
code	MCRM1240	MCRM1250	MCRM2050	MCRM2063	MCRM2275

Tee female



	Brass									
Ø	16-1/2"-16	20-1/2"-20	20-3/4"-20	26-1/2"-26	26-3/4"-26	32-1/2"-32	32-3/4"-32	32-1"-32	40-1/2"-40	40-3/4"-40
pack	10	10	10	5	5	5	5	5	1	1
code	MCRTF216	MCRTF220	MCRTF420	MCRTF226	MCRTF426	MCRTF232	MCRTF432	MCRTF1032	MCRTF240	MCRTF440

Ø	50-3/4"-50	63-1"-63	75-1"-75
pack	1	1	1
code	MCRTF450	MCRTF1063	MCRTF1075

Equal tee



	PPSU						Brass	
Ø	16	20	26	32	40	50	63	75
pack	10	10	5	5	3	2	1	1
code	MCRT16	MCRT20	MCRT26	MCRT32	MCRT40P	MCRT50P	MCRT63	MCRT75

Reduced tee with reduced central outlet



	PPSU						
Ø	20-16-20	26-16-26	26-20-26	32-16-32	32-20-32	32-26-32	50-40-50
pack	10	5	5	5	5	5	2
code	MCRT201620	MCRT261626	MCRT262026	MCRT321632	MCRT322032	MCRT322632	MCRT504050P



	Brass										
Ø	40-20-40	40-26-40	40-32-40	50-20-50	50-26-50	50-32-50	63-32-63	63-40-63	63-50-63	75-40-75	75-50-75
pack	3	3	3	2	2	2	1	1	1	1	1
code	MCRT402040	MCRT402640	MCRT403240	MCRT502050	MCRT502650	MCRT503250	MCRT633263	MCRT634063	MCRT635063	MCRT754075	MCRT755075

Reduced tee with reduced central and end outlets



	PPSU			
Ø	20-16-16	26-20-20	32-20-20	32-26-26
pack	10	5	5	5
code	MCRT201616	MCRT262020	MCRT322020	MCRT322626

Reduced tee with increased central outlet



	PPSU			
Ø	16-20-16	20-26-20	20-32-20	26-32-26
pack	10	5	5	5
code	MCRT162016	MCRT202620	MCRT203220	MCRT263226

Reduced tee with reduced end outlet



	PPSU				
Ø	20-20-16	26-26-16	26-26-20	32-32-20	32-32-26
pack	10	5	5	5	5
code	MCRT202016	MCRT262616	MCRT262620	MCRT323220	MCRT323226

Reduced tee with 3 different Ø



	PPSU					
Ø	26-16-20	26-20-16	26-32-20	32-16-26	32-20-26	32-26-20
pack	5	5	5	5	5	5
code	MCRT261620	MCRT262016	MCRT263220	MCRT321626	MCRT322026	MCRT322620

Equal socket



	PPSU							Brass
Ø	16	20	26	32	40	50	63	75
pack	10	10	5	5	3	2	1	1
code	MCRMA16	MCRMA20	MCRMA26	MCRMA32	MCRMA40P	MCRMA50P	MCRMA63P	MCRMA75

Reduced socket



	PPSU								Brass				
Ø	16-20	16-26	20-26	20-32	26-32	26-40	32-40	40-50	32-50	40-63	40-75	50-75	63-75
pack	10	5	5	5	5	3	3	2	2	1	1	1	1
code	MCRMA1620	MCRMA1626	MCRMA2026	MCRMA2032	MCRMA2632	MCRMA2640	MCRMA3240	MCRMA4050P	MCRMA3250	MCRMA4063	MCRMA4075	MCRMA5075	MCRMA6375



Elbow 90°

	PPSU							Brass
Ø	16	20	26	32	40	50	63	75
pack	10	10	5	5	3	2	1	1
code	MCRC16	MCRC20	MCRC26	MCRC32	MCRC40P	MCRC50P	MCRC63P	MCRC75



Elbow 45°

	PPSU					Brass
Ø	26	32	40	50	63	75
pack	5	5	3	2	1	1
code	MCRC2645	MCRC3245	MCRC4045P	MCRC5045P	MCRC6345P	MCRC7545



Elbow 90° female

	Brass				
Ø	1/2"-16	1/2"-20	3/4"-20	3/4"-26	1"-32
pack	10	10	10	5	5
code	MCRCF216	MCRCF220	MCRCF420	MCRCF426	MCRCF1032



Elbow 90° with free nut

	Brass	
Ø	3/4"-20	1"-26
pack	10	10
code	MCRCE420	MCRCE1026



Elbow 90° male

	Brass							
Ø	3/8"-16	1/2"-16	1/2"-20	3/4"-20	3/4"-26	1"-32	1"1/4-40	1"1/2-50
pack	10	10	10	10	5	5	3	2
code	MCRCM816	MCRCM216	MCRCM220	MCRCM420	MCRCM426	MCRCM1032	MCRCM1440	MCRCM1250

Stainless steel ring



	16	20	26	32	40	50	63	75
pack	10	10	5	5	1	1	1	1
code	MCRB16	MCRB20	MCRB26	MCRB32	MCRB40	MCRB50	MCRB63	MCRB75

Press cap



	16	20	26	32
pack	10	10	5	5
code	MCRBOU16	MCRBOU20	MCRBOU26	MCRBOU32

Adaptor for copper pipe



	Brass		
Ø	16x2-14	16x2-16	20x2-18
pack	10	10	10
code	MCRAC1614	MCRAC1616	MCRAC2018



Medium elbow wall connection - 52 mm

	1/2"-16
pack	10
code	MCRCAM216



Short elbow wall connection - 35 mm

	1/2"-16	1/2"-20	3/4"-26
pack	10	10	5
code	MCRCA216	MCRCA220	MCRCA426



Long elbow wall connection - 78 mm

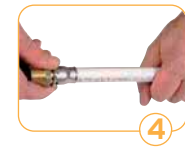
	1/2"-16	1/2"-20
pack	10	10
code	MCRCAL216	MCRCAL220



Angle for elbow wall connection

code	
MCREQU	

Push-fit fittings for multilayer pipes



Only for 16 x 2, 20 x 2 & 26 x 3 multilayer pipes.

Free nut



Ø	3/8"-16	1/2"-16	1/2"-20	3/4"-16	3/4"-20
code	MCXE816	MCXE216	MCXE220	MCXE416	MCXE420

Equal tee



Ø	16	20	26
code	MCXT16	MCXT20	MCXT26

Reduced tee



Ø	20-16-20	20-16-16	20-20-16	26-16-16	26-16-20	26-20-20	26-20-26
code	MCXT201620	MCXT201616	MCXT202016	MCXT261616	MCXT261620	MCXT262020	MCXT262026

Cap



Ø	16
code	MCXBOU16

Equal elbow



Ø	16	20	26
code	MCXC16	MCXC20	MCXC26

Tee female



Ø	1/2"-16	1/2"-20	3/4"-20	3/4"-26
code	MCXTF216	MCXTF220	MCXTF420	MCXTF426

Elbow male



Ø	1/2"-16	1/2"-20	3/4"-20	3/4"-26
code	MCXCM216	MCXCM220	MCXCM420	MCXCM426

Elbow female



Ø	1/2"-16	1/2"-20	3/4"-20	3/4"-26
code	MCXCF216	MCXCF220	MCXCF420	MCXCF426

Female



Ø	1/2"-16	1/2"-20	3/4"-20	3/4"-26
code	MCXF216	MCXF220	MCXF420	MCXF426

Elbow wall connection



Ø	1/2"-16	1/2"-20	3/4"-20
code	MCXCA216	MCXCA220	MCXCA420

Elbow for toilet tank



Ø	1/2"-16
code	MCXCR216



Male

Ø	3/8"-16	1/2"-16	1/2"-20	3/4"-20	3/4"-26	1"-26
code	MCXM816	MCXM216	MCXM220	MCXM420	MCXM426	MCXM1026

Equal socket



Ø	16	20	26
code	MCXMA16	MCXMA20	MCXMA26

Reduced socket



Ø	20-16	26-16	26-20
code	MCXMA2016	MCXMA2616	MCXMA2620

Dismantling tool



Ø	16	20
code	MCXDEM16	MCXDEM20

Multifit fittings for multilayer pipes

Supplied with o-ring for conical bearing & flat gasket for flat bearing.



Fitting



Ø	1/2"-16x2	1/2"-20x2	3/4"-16x2	3/4"-20x2	3/4"-26x3	1"-26x3	1"-32x3
pack	25	15	20	15	10	10	10
Allen key	10	10	14	14	14	19	19
code	MCFITE216	MCFITE220	MCFITE416	MCFITE420	MCFITE426	MCFITE1026	MCFITE1032

Compatible with all multilayer pipes with the following dimensions:

Ø pipe	Ø max. exterior	Min. thickness	Max. thickness
16 x 2	16,3	2	2,4
20 x 2	20,3	2	2,4
26 x 3	26,3	3	3,5
32 x 3	32,3	3	3,5



Key

For 10, 14 & 19 dimensions

code	MCCLE
------	-------



Off-burr tool

code	MCEBA
------	-------



Compression fittings for multilayer pipes



Only for 16 x 2, 20 x 2 & 26 x 3 multilayer pipes - ⚠ Add a PTFE gasket for male fittings before connecting.

Female



Ø	16-3/8"	16-1/2"	16-3/4"	20-1/2"	20-3/4"	26-1"
code	120034	120044	120054	120144	120154	120264

Equal socket



Ø	16	20	26
code	126004	126104	126204

Male



Ø	16-3/8"	16-1/2"	20-1/2"	20-3/4"	26-3/4"	26-1"
code	121034	121044	121144	121154	121254	121264

Reduced socket



Ø	20-16
code	126304

Elbow female



Ø	16-1/2"
code	127044

Elbow male



Ø	16-1/2"
code	128044

Elbow equal



Ø	16	20	26
code	125004	125104	125204

Reduced tee



Ø	20-16-20	20-16-16
code	124304	124404



Equal tee

Ø	16	20	26
code	124004	124104	124204



Wall connection

Ø	16-1/2"
code	129044

PTFE gaskets

1,5 mm thickness - Sold by 10.



Ø	3/8"	1/2"	3/4"	1"
code	123034	123044	123054	123064

Sizing tool

For pipes Ø 16 to 26



Ø	16-1/2"
code	123604

Compression fittings for multilayer pipes - Radiators connections



Male fitting 1/2" & ring

For metal pipe Ø15 on female lockshield valves.

code	
441415	



Free nut Eurocone 3/4"

For metal pipe Ø15 on male lockshield valves, valves for panel radiators & Eurocone 3/4".

code	
437515	

Male compression fitting complete set



sold by 2
sold by 2

Ø	code
M 3/8"-16	MCCM816
M 1/2"-16	MCCM216
M 3/4"-26	MCCM426
M 1"-32	MCCM1032

Free nut Eurocone

Connection on radiators & lockshields valves 3/4" male Eurocone



sold by 2
sold by 2

Ø	code
F 3/4"-16	MCCEC416
F 3/4"-20	MCCEC420

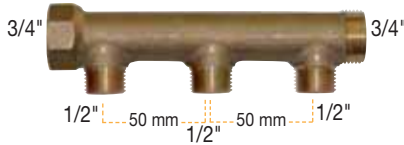
Flat bearing manifolds

■ Modular

Male - Female

3/4" - Ø body 27 mm

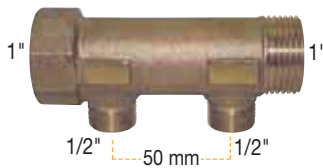
Ø outlet 1/2" - Center distance 50 mm.



Outlets	2	3	4	5	6	7	8	9
code	CCOMPF42	CCOMPF43	CCOMPF44	CCOMPF45	CCOMPF46	CCOMPF47	CCOMPF48	CCOMPF49

1" - Ø body 31 mm

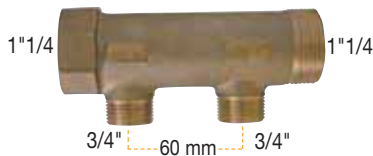
Ø outlet 1/2" - Center distance 50 mm.



Outlets	2	3	4	5	6	7
code	CCOMP102	CCOMP103	CCOMP104	CCOMP105	CCOMP106	CCOMP107

1"1/4 - Ø body 40 mm

Ø outlet 3/4" - Center distance 60 mm.



Outlets	2	3	4	5	6
code	CCOMP142	CCOMP143	CCOMP144	CCOMP145	CCOMP146

Male - Male

3/4" - Ø body 23 mm

Ø outlet 1/2" - Center distance 47 mm.



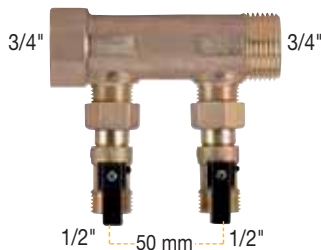
Outlets	2*	3	4	5	6	7	8	9	10
code	CCOMP41	CCOMP42	CCOMP43	CCOMP44	CCOMP45	CCOMP46	CCOMP47	CCOMP48	CCOMP49

* Ø body 19 mm

■ Pre-equipped with valves

3/4" - Ø body 27 mm

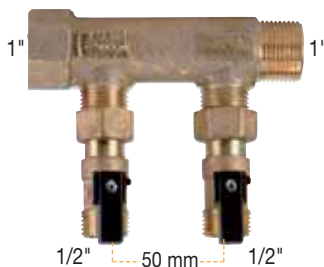
Ø outlet 1/2" - Center distance 50 mm.



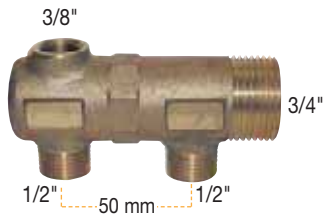
Outlets	2	3	4	5	6
code	COLET42	COLET43	COLET44	COLET45	COLET46

1" - Ø body 31 mm

Ø outlet 1/2" - Center distance 50 mm.



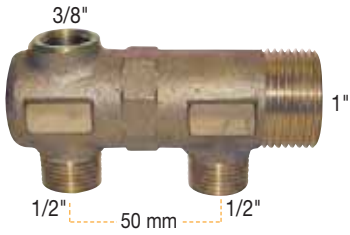
Outlets	2	3	4	5	6
code	COLET102	COLET103	COLET104	COLET105	COLET106



Single manifolds with draining outlet

3/4" - Ø body 25 mm for 2 to 5 outlets - Ø body 28 mm for 6 to 9 outlets
 Ø outlet 1/2" - Center distance 50 mm.

Outlets	2	3	4	5	6	7	8	9
code	SIMPP42	SIMPP43	SIMPP44	SIMPP45	SIMPP46	SIMPP47	SIMPP48	SIMPP49



1" - Ø body 30 mm for 2 to 4 outlets - Ø body 32 mm for 5 to 9 outlets
 Ø outlet 1/2" - Center distance 50 mm.

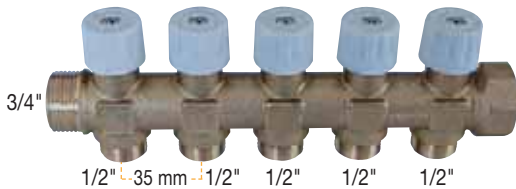
Outlets	2	3	4	5	6	7	8	9
code	SIMPP102	SIMPP103	SIMPP104	SIMPP105	SIMPP106	SIMPP107	SIMPP108	SIMPP109



Sanitary manifolds with built-in valves

3/4" - Ø body 27 mm
 Ø outlet 1/2" - Center distance 50 mm.

Outlets	2	3	4	5
code blue valve	COLRB42	COLRB43	COLRB44	COLRB45
code red valve	COLRR42	COLRR43	COLRR44	COLRR45



3/4" - Ø body 24,5 mm

Ø outlet 1/2" - Center distance 35 mm (compact).

Outlets	2	3	4	5
code	SANR42	SANR43	SANR44	SANR45

Accessories for manifolds

Ball valve FM 1/2"



with free nut
for flat bearing manifolds

code	VANP2
------	-------



without free nut
for flat bearing manifolds

code	678004
------	--------

Fitting - 2 outlets - F3/8" & F1/2"



Ø	code
3/4"	BOU599D4
1"	BOU599D10
1 1/4"	BOU599D14

Drain cock ball valve



Ø	code
1/2" FM	ROB554

Plain cap for flat bearing



Ø	code
1/2"	300G15
3/4"	300G20
1"	300G26
1 1/4"	300G33

Thermometer holder



F1/2" - M1/2"
(threaded F1/4")

code	PORDER2
------	---------

Ball valve FM 1/2" with free nut



for conical bearing manifolds

code	VANDERC
------	---------

for flat bearing manifolds

code	VANDERP
------	---------

Ball valve with union fitting



Ø	code
3/4"	VAN5244
1"	VAN52410
1 1/4"	VAN52414

Fitting 1 outlet female 3/8"



Ø	code
3/4"	BOU599R4
1"	BOU599R10
1 1/4"	BOU599R14

Plain cap for conical bearing



Ø	code
1/2"	BOU599C2
3/4"	BOU599C4
1"	BOU599C10
1 1/4"	BOU599C14

Thermometer with glove finger



1/4" M - Ø 40 mm

code	THE391
------	--------



Housing cabinet

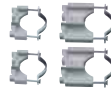
for manifolds 3/4" - plastic

Dimension (mm)	Center distance (mm)	Max. outlets	code
320 x 250 x 90	35	8	COF320
	50	6	
500 x 250 x 90	35	12	COF500
	50	9	



Brackets (sold by 2)

Ø manifold	code
3/4"	SUP4
1"	SUP10
1" & 1 1/4"	SUP658U



Pieces for housing cabinet

(sold by 4)

for manifolds 3/4"

center distance 35 mm

center distance 50 mm

code
SUP35
SUP50



Single clips for sheathed pipes (sold by box of 100)

Ø clip	16	18	20	22	25	28
pack	16 boxes	16 boxes	16 boxes	16 boxes	12 boxes	12 boxes
code	FIXS16	FIXS18	FIXS20	FIXS22	FIXS25	FIXS28



Pipe guide angle

Ø pipe	12	16	20
pack	10	10	10
code	GT12	GT16	GT20



Double clips for sheathed pipes

(sold by box of 100, except Ø 28: box of 50)

Ø clip	16	18	20	22	25	28
pack	16 boxes	12 boxes	12 boxes	9 boxes	9 boxes	12 boxes
code	FIXD16	FIXD18	FIXD20	FIXD22	FIXD25	FIXD28

NEW

Quadruple clips for sheathed pipes

(sold by box of 50)



Ø clip	20	25
pack	12 boxes	9 boxes
code	FIXQ20	FIXQ25



Single floor outlet

includes 1 pipe guide
for 10x12 & 13x16 pipes
pack: 20

code
SORS



Double shell covering cuff

for 10x12 & 13x16 pipes
length 150 mm
Ø exterior 30 mm
pack: 20

code
MAND



Double floor outlet

includes 2 pipes guides
& 2 clips
for 10x12 & 13x16 pipes
pack: 10

code
SORD



Single shell covering cuff

for 10x12 & 13x16 pipes
length 200 mm
Ø exterior 20 mm
pack: 50

code
MAN



Double floor rose

center distance 40 mm
Ø 30 mm
pack: 50

code
ROS



Support angle for wall outlet

center distance 150 mm
pack: 10

code
EQU16

Stainless steel braided EPDM flexible hoses

Sanitary



kiwa



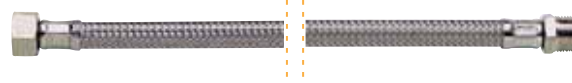
For hot and cold water, sanitary taps, toilet tanks, coffee machines, etc... - Stainless steel 304 braid (minimal cover 95%) - EPDM inner hose - Nickel plated brass fittings - Nickel plated brass or stainless steel sockets - Max. temperature and pressure: 90°C / 10 bar - Water PH: 6 to 8 - Water & glycol: max. 30% glycol - Min. radial bending 27 mm.

Interior Ø 8 mm



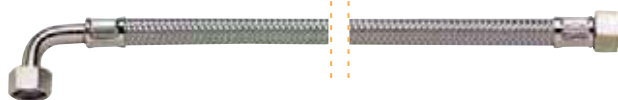
Female - Female

Fittings	Length (mm)	EPDM gasket		code
		gasket	pack	
F 3/8" - F 3/8"	150	✓	10	511334
	200	✓	10	512334
	300	✓	10	513334
	400	✓	10	514334
	500	✓	10	515334
	600	✓	10	516334
	800	✓	10	518334
	1000	✓	10	519334
	1500			FF88 1500
F 3/8" - F 1/2"	200	✓	10	512344
	300	✓	10	513344
	400	✓	10	514344
	500	✓	10	515344
	600	✓	10	516344
F 1/2" - F 1/2"	150	✓	10	511444
	200	✓	10	512444
	300	✓	10	513444
	400	✓	10	514444
	500	✓	10	515444
	600	✓	10	516444
	800	✓	10	518444
	1000	✓	10	519444
	1500			FF22 1500
	2000			FF22 2000
F 3/4" - F 3/4"	300		25	FF44 0300S
	500		10	FF44 0500S
	800		10	FF44 0800
	1000		10	FF44 1000



Female - Male

Fittings	Length (mm)	EPDM gasket		code
		gasket	pack	
F 3/8" - M 3/8"	150	✓	10	521334
	200	✓	10	522334
	300	✓	10	523334
	400	✓	10	524334
	500	✓	10	525334
	800	✓	10	528334
F 3/8" - M 1/2"	150		10	FM82 0150
	300	✓	10	523344
	500		10	FM82 0500
F 1/2" - M 1/2"	150	✓	10	521444
	300	✓	10	523444
	400	✓	10	524444
	500	✓	10	525444
	600	✓	10	526444
	800	✓	10	528444
F 1/2" - M 3/8"	1000		10	FM22 1000S
	300	✓	10	523434
F 1/2" - M 3/4"	500	✓	10	525434
	300		10	FM44 0300
F 3/4" - M 3/4"	500		10	FM44 0500



Elbow Female - Female

Fittings	Length (mm)	EPDM gasket		code
		gasket	pack	
EF 3/8" - F 3/8"	300		10	CFF88 0300
	500		10	CFF88 0500
	700		10	CFF88 0700
EF 1/2" - F 1/2"	300		10	CFF22 0300S
	500	✓	10	595444
	800		10	CFF22 0800
	1000	✓	10	599444
	1200		10	CFF22 1200
EF 3/4" - F 3/4"	1200		10	CFF44 1200
	1500		10	CFF44 1500
	2000		10	CFF44 2000



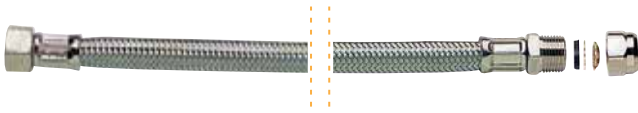
Elbow Female - Male

Fittings	Length (mm)	EPDM gasket		code
		gasket	pack	
EF 1/2" - M 1/2"	1000		10	CFM22 1000S
	500		10	CFM44 0500S
EF 3/4" - M 3/4"	1000		10	CFM44 1000S

✓ with EPDM gasket

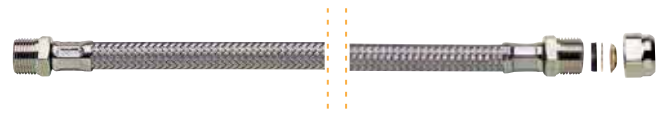


Interior Ø 8 mm



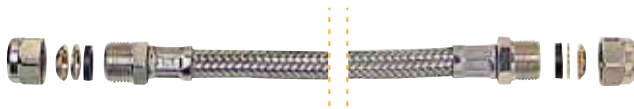
Female - Bicone

Fittings	Length (mm)	EPDM gasket pack		code
		✓	10	
F 3/8" - Bicone 10	150	✓	10	541334
	300	✓	10	543334
	500		10	FB8810 0500
F 3/8" - Bicone 12	300	✓	10	543344
	500		10	FB8812 0500
F 1/2" - Bicone 10	300	✓	10	543434
	500		10	FB2810 0500
F 1/2" - Bicone 12	300	✓	10	543444
	500	✓	10	545444
F 1/2" - Bicone 14	300	✓	10	543454
	500	✓	10	545454



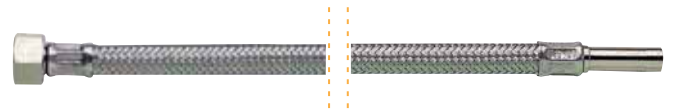
Male - Bicone

Fittings	Length (mm)	EPDM gasket pack		code
		✓	10	
M 3/8" - Bicone 10	300	✓	10	533334
M 3/8" - Bicone 12	300		10	MB8812 0300
M 1/2" - Bicone 10	300	✓	10	533434
M 1/2" - Bicone 12	300		10	MB2812 0300
M 1/2" - Bicone 14	300		25	MB2214 0300



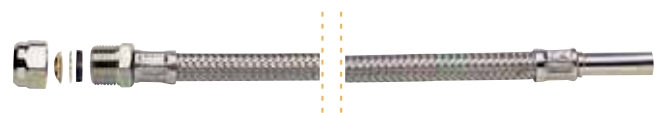
Bicone - Bicone

Fittings	Length (mm)	EPDM gasket pack		code
		✓	10	
Bicone 10 - Bicone 10	300		10	BB881010 0300
Bicone 10 - Bicone 12	150		10	BB881012 0150
	300	✓	10	553344
	500	✓	10	555344
Bicone 12 - Bicone 12	300		10	BB881212 0300
Bicone 10 - Bicone 14	300	✓	10	553354
	500	✓	10	555354
Bicone 12 - Bicone 14	300	✓	10	553454
Bicone 14 - Bicone 14	300		10	BB221414 0300



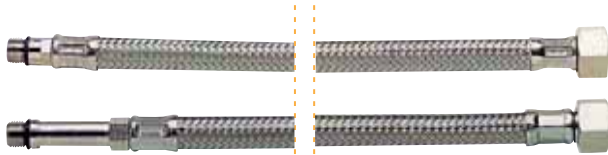
Female - Sleek end

Fittings	Length (mm)	EPDM gasket pack		code
		✓	10	
F 3/8" - SE 10	300	✓	10	FTL810 0300
F 1/2" - SE 10	300	✓	10	FTL210 0300



Bicone - Sleek end

Fittings	Length (mm)	EPDM gasket pack		code
		✓	10	
Bicone 10 - SE 10	300	✓	10	573034



Male - 1 short - Female & Male - 1 middle - Female (sold together)

Fittings	Length (mm)	EPDM gasket		code
		✓	10	
M 10 - 1 short - F 3/8" & M 10 - 1 middle - F 3/8"	300	✓	10	533734

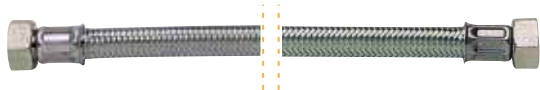
✓ with EPDM gasket



Plumbing

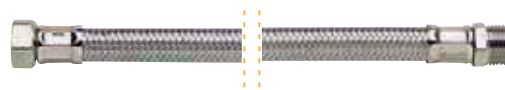
For hot and cold water, sanitary taps, plumbing, water heaters, ... - Stainless steel 304 braid - Minimal cover 95% - Nickel plated brass fittings - Nickel plated brass or stainless steel sockets - Max. temperature and pressure: 90°C / 10 bar - Water PH: 6 to 8 - Min. radial bending 50 mm.

Interior Ø 13 mm



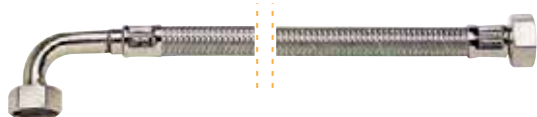
Female - Female

Fittings	Length (mm)	EPDM gasket pack		code
		gasket	pack	
F 1/2" - F 1/2"	300		10	GFF22 0300S
	500	✓	10	565444
	700		10	GFF22 0700S
	1000		10	GFF22 1000S
	1200		10	GFF22 1200
	1500		10	GFF22 1500
F 3/4" - F 3/4"	2000		10	GFF22 2000
	300	✓	10	563554
	500	✓	10	565554
	700	✓	10	567554
	1000	✓	10	568554
	1200		10	GFF44 1200
	1500		10	GFF44 1500
	2000		10	GFF44 2000



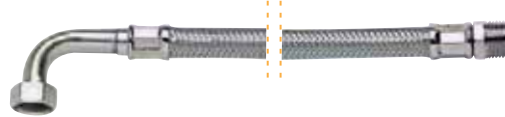
Female - Male

Fittings	Length (mm)	EPDM gasket pack		code
		gasket	pack	
F 1/2" - M 1/2"	300		10	GFM22 0300S
	500	✓	10	575444
	700		10	GFM22 0700S
	1000		10	GFM22 1000S
F 3/4" - M 1/2"	300		10	GFM42 0300
	500	✓	10	566454
	700		10	GFM42 0700
F 3/4" - M 3/4"	300	✓	10	563554
	500	✓	10	566554
	700		10	GFM44 0700S
	800	✓	10	569554
	1000		10	GFM44 1000S



Elbow Female - Female

Fittings	Length (mm)	EPDM gasket pack		code
		gasket	pack	
EF 1/2" - F 1/2"	300		10	GCFF22 0300S
	500		10	GCFF22 0500S
	700		10	GCFF22 0700S
	*1000	✓	10	568444
	1200		10	GCFF22 1200
	1500		10	GCFF22 1500
	2000		10	GCFF22 2000
EF 3/4" - F 3/4"	500		10	GCFF44 0500S
	700		10	GCFF44 0700S
	800		10	GCFF44 0800S
	1000		10	GCFF44 1000S
	1200		10	GCFF44 1200S
	1500		10	GCFF44 1500S
	2000		10	GCFF44 2000



Elbow Female - Male

Fittings	Length (mm)	EPDM gasket pack		code
		gasket	pack	
EF 1/2" - M 1/2"	300		10	GCFM22 0300
	500		10	GCFM22 0500
EF 3/4" - M 3/4"	300		10	GCFM44 0300
	500		10	GCFM44 0500
	700		10	GCFM44 0800
	1000		10	GCFM44 1000

✓ with EPDM gasket



Plumbing, heating, air conditioning & pressurisation sets

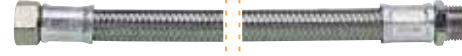
For hot and cold water, boilers, water heaters, air conditioning and pressurisation sets - Stainless steel 304 braid - Minimal cover 95% - Nickel plated brass fittings - Anodised aluminium sockets - Temperature and pressure: -5°C to 100°C / 10 bar up to Ø 3/4" and 6 bar above - Water PH: 6 to 8.

Interior Ø 15 to 50 mm



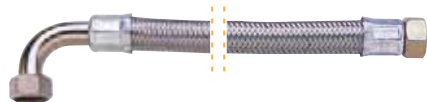
Female - Female

	Fittings	Length (mm)	Min. radial bending (mm)	pack	code
Ø 15 mm	F 1/2" - F 1/2"	300	70	10	HFF22 0300S
		500	70	10	HFF22 0500S
		700	70	10	HFF22 0700S
		1000	70	10	HFF22 1000S
		1500	70	10	HFF22 1500
Ø 15 mm	F 3/4" - F 3/4"	300	70	10	H15FF44 0300
		500	70	10	H15FF44 0500
		700	70	10	H15FF44 0700
		1000	70	10	H15FF44 1000
		1500	70	10	H15FF44 1500
Ø 19 mm	F 3/4" - F 3/4"	300	80	5	HFF44 0300S
		500	80	5	HFF44 0500S
		700	80	5	HFF44 0700S
		1000	80	5	HFF44 1000S
		1500	80	5	HFF44 1500
Ø 25 mm	F 1" - F 1"	300	100	5	HFF1010 0300S
		500	100	5	HFF1010 0500S
		700	100	5	HFF1010 0700S
		1000	100	5	HFF1010 1000S
Ø 32 mm	F 1 1/4" - F 1 1/4"	500	160	5	HFF1414 0500S
		700	160	5	HFF1414 0700S
		1000	160	5	HFF1414 1000S
Ø 40 mm	F 1 1/2" - F 1 1/2"	500	180	5	HFF1212 0500S
		700	180	5	HFF1212 0700S
		1000	180	5	HFF1212 1000S
Ø 50 mm	F 2" - F 2"	500	230	5	HFF2020 0500S
		700	230	5	HFF2020 0700S
		1000	230	5	HFF2020 1000S



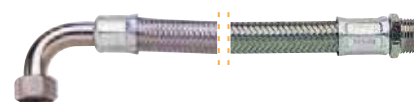
Female - Male

	Fittings	Length (mm)	Min. radial bending (mm)	pack	code
Ø 15 mm	F 1/2" - M 1/2"	300	70	10	HFM22 0300S
		500	70	10	HFM22 0500S
		700	70	10	HFM22 0700S
		1000	70	10	HFM22 1000S
Ø 19 mm	F 3/4" - M 3/4"	300	80	5	HFM44 0300S
		*500	80		585554
		700	80	5	HFM44 0700S
		1000	80	5	HFM44 1000S
Ø 25 mm	F 1" - M 1"	300	100	5	HFM1010 0300S
		*500	100		585664
		700	100	5	HFM1010 0700S
Ø 32 mm	F 1 1/4" - M 1 1/4"	500	160	5	HFM1414 0500S
		700	160	5	HFM1414 0700S
		1000	160	5	HFM1414 1000S
Ø 40 mm	F 1 1/2" - M 1 1/2"	500	180	5	HFM1212 0500S
		700	180	5	HFM1212 0700S
		1000	180	5	HFM1212 1000S
Ø 50 mm	F 2" - M 2"	500	230	5	HFM2020 0500S
		700	230	5	HFM2020 0700S
		1000	230	5	HFM2020 1000S



Elbow Female - Female

	Fittings	Length (mm)	Min. radial bending (mm)	pack	code
Ø 15 mm	EF 1/2" - F 1/2"	300	70	10	HCFF22 0300S
		500	70	10	HCFF22 0500S
		700	70	10	HCFF22 0700S
		1000	70	10	HCFF22 1000S
Ø 19 mm	EF 3/4" - F 3/4"	300	80	10	HCFF44 0300S
		500	80	10	HCFF44 0500S
		700	80	10	HCFF44 0700S
		1000	80	10	HCFF44 1000S
Ø 25 mm	EF 1" - F 1"	500	100	5	HCFF1010 0500S
		700	100	5	HCFF1010 0700S
		1000	100	5	HCFF1010 1000S



Elbow Female - Male

	Fittings	Length (mm)	EPDM gasket	Min. radial bending (mm)	code
Ø 25 mm	EF 1" - M 1"	500		100	HCFM1010 0500S
		700	✓	100	517664
		1000	✓	100	517674
Ø 32 mm	EF 1 1/4" - M 1 1/4"	700	✓	130	517684



Corrugated stainless steel flexible connections

Flexible & extensible hoses - Boilerflex



Guarantee: 10 years - Extensible (twice the initial length) - Flexible in any direction - Working pressure 6 bar - Max. pressure 10 bar - Working temperature 250°C - Suitable for: water, steam, hydrocarbons, ... - Stainless steel 316 hose - Stainless steel 303 male fittings - Nickel plated brass nut with stainless steel 303 flat bearing.



Fittings	Ø	Extensible length (mm)	code
F 1/2" - M 1/2"	12	90 to 140	RFM22 090
		130 to 220	RFM22 130
		220 to 420	RFM22 220
F 3/4" - M 3/4"	16	60 to 120	RFM44 060
		90 to 140	RFM44 090
		130 to 220	RFM44 130
		220 to 420	RFM44 220
F 1" - M 1"	25	130 to 220	RFM1010 130
		220 to 420	RFM1010 220

Flexible pipes



■ Heating, plumbing & air-conditioning connections

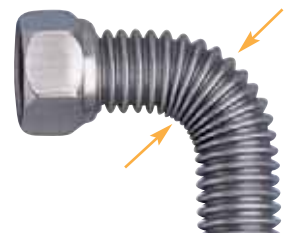
Guarantee: 10 years - Stainless steel 316L - Max. temperature 300°C at 10 bar.



Pipe

Ø pipe (mm)	Coil length (m)	code
12	25	I1225
	50	I1250
16	25	I1625
	50	I1650
	100	I16100
20	25	I2025
25	25	I2525

only sold in coil



Complete set - Flat bearing

1 coil & 10 fitting sets.

Ø pipe (mm)	Coil length (m)	Ø fitting	code
16	15	3/4"	IKIT16

Fittings - Conical bearing

Female

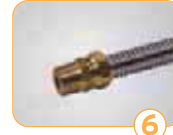
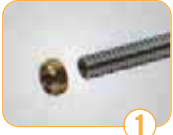


Ø pipe (mm)	Ø fitting	code
12	1/2"	IRF212
16	3/4"	IRF416
20	1"	IRF1020

Male



Ø pipe (mm)	Ø fitting	code
12	1/2"	IRM212
16	3/4"	IRM416
20	1"	IRM1020



Fittings - Flat bearing

Fittings set (nut + ring + gasket)



Ø pipe (mm)	Ø fitting	pack	code
12	1/2"	10*	IR12
16	3/4"	10*	IR16
16	3/4"	100**	TIIR16
20	1"	10*	IR20
25	1" 1/4"	10*	IR25

*only sold by pack of 10 sets

**only sold by pack of 100 sets



Piston

For Ø 12 to 20 pipes.



code
IPISTON

+



Head

Ø pipe (mm)	code
12	ITE12
16	ITE16
20	ITE20
25	ITE25

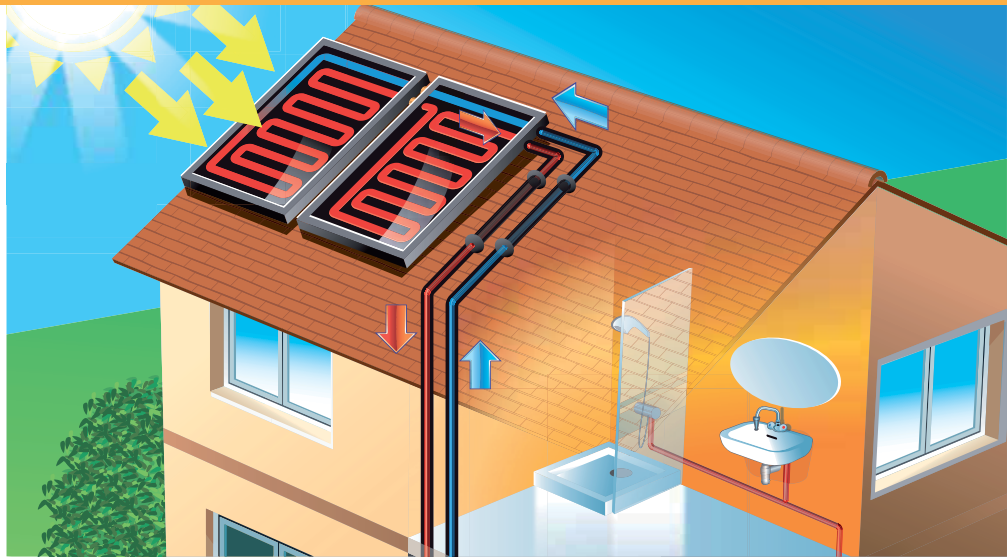


Nipple

Economical solution for flat bearing instead of piston & head.



Ø	pack	code
1/2"	10	IM2
3/4"	10	IM4
1"	10	IM10
1"1/4"	10	IM14



■ Insulated solar panel connections

Ecoline

Guarantee: 10 years - Stainless steel 316L - Anti-UV insulation foam socket - Probe with PVC sheath for bi-pipe - Max. temperature 175°C - Working pressure 10 bar - Only sold in coil.



Ø pipe (mm)	Fittings	Insulation thickness (mm)	Coil length (m)	code
16	FF 3/4"	13	10	ECO1610C13
			15	ECO1615C13
			20	ECO1620C13
20	FF 1"	13	10	ECO2010C13
			15	ECO2015C13
			20	ECO2020C13

Dualinox

Guarantee: 10 years - Stainless steel 316L - Bi-pipe - Insulation socket with anti-UV nylon sheath - Probe with silicone sheath - Max. temperature 175°C - Max. pressure 10 bar - Only sold in coil.



Ø pipe (mm)	Fittings	Insulation thickness (mm)	Coil length (m)	code
16	FF 3/4"	13	10	DUA1610C13
			15	DUA1615C13
			20	DUA1620C13

■ Boiler, heat pump, fan coil & water distribution connections

Stainless steel 316L - Pre-insulated stainless steel duct.

Easynox

Ø pipe (mm)	Fittings	Ø insulation (mm)	Length (mm)	code
12	F 1/2" - M 1/2"	13	300	ISFM22 0300
			500	ISFM22 0500
			800	ISFM22 0800
			1000	ISFM22 1000
16	F 3/4" - M 3/4"	13	300	ISFM44 0300
			500	ISFM44 0500
			800	ISFM44 0800
			1000	ISFM44 1000





Valves for building

- **Ball valves**
 - Standard _____ pages 194 to 195
 - Reference + _____ page 195
 - Stem extension _____ page 196
 - Union fitting _____ page 196
 - 3 ways _____ page 196
 - Mini _____ page 197
 - High temperature - Solar _____ page 197
 - Gas _____ page 197
 - Water meters _____ page 197
 - Distribution manifolds _____ page 197

- **Gate valves** _____ page 198

- **Globe valve** _____ page 198

- **Manual control valve** _____ page 198

- **Bibcock valves** _____ page 199

- **Check valves**
 - Spring _____ page 200
 - Swing _____ page 200
 - Foot valves _____ page 201

- **Y-strainers** _____ page 201

- **PVC valves**
 - Ball valves _____ page 202
 - Butterfly valve _____ page 202
 - Ball check valve _____ page 202

Ball valves



Standard

PN25/20 - Excluded from 97/23/EC directive (article 1, § 3.2) - Nickel plated CW617N brass body - PTFE gland pack & ball gaskets - Chromed brass ball - Full bore - Anti-blowout stem - Tracking: "80S" marked on body - Individual packaging - Temperature range: -10°C/+120°C.



Female - Female

- 580 - Red steel lever
- 586 - Red butterfly handle
- 508 - Blue steel lever
- 564 - Blue butterfly handle

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
Max. pressure (bar)	25	25	25	25	25	20	20	16	10	10	10
pack	10	10	10	10	10	8	6	4	4	4	4
580 code	580002	580003	580004	580005	580006	580007	580008	580009	580010	580011	580012
586 code	586002	586003	586004	586005	586006	-	-	-	-	-	-
508 code	508002	508003	508004	508005	508006	508007	508008	508009	-	-	-
564 code	564002	564003	564004	564005	564006	-	-	-	-	-	-



Male - Female

- 581 - Red steel lever
- 587 - Red butterfly handle
- 511 - Blue steel lever
- 533 - Blue butterfly handle

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	10	8	6	4
581 code	581002	581003	581004	581005	581006	581007	581008	581009
587 code	587002	587003	587004	587005	587006	-	-	-
511 code	511002	511003	511004	511005	511006	-	-	-
533 code	533002	533003	533004	533005	533006	-	-	-



Male - Male

- 582 - Red steel lever
- 588 - Red butterfly handle
- 529 - Blue steel lever
- 536 - Blue butterfly handle

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	8	6	4
582 code	582003	582004	582005	582006	582007	582008	582009
588 code	588003	588004	588005	588006	-	-	-
529 code	529003	529004	529005	529006	-	-	-
536 code	536003	536004	536005	536006	-	-	-



Female - Female. With drainer

- 585 - Red steel lever
- 560 - Red butterfly handle

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	8	6	4
585 code	585004	585005	585006	585007	585008	585009
560 code	560004	560005	560006	-	-	-

■ Stainless steel handle



552 - Female - Female

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"
Max. pressure (bar)	25	25	25	25	25	20	20	16	10	10
code	552002	552003	552004	552005	552006	552007	552008	552009	552010	552011

Reference +



PN40/30 - Excluded from 97/23/EC directive (article 1, § 3.2) - Nickel plated CW617N brass body - PTFE gland pack & ball gaskets - Chromed brass ball - Full bore - Anti-blowout stem - Anti-blowout stem - Tracking: "9S" marked on body - Individual packaging - Temperature range: -10°C/+120°C.

■ Female - Female



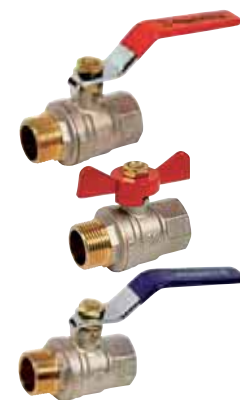
509 - Red steel lever

525 - Red butterfly handle

501 - Blue steel lever

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
Max. pressure (bar)	40	40	40	40	40	30	25	20	10	10	10
pack	10	10	10	10	10	8	6	4	1	1	1
509 code	509002	509003	509004	509005	509006SF	509007	509008SF	509009	509010SF	509011	509012SF
525 code	525002	525003	525004	525005	525006	-	-	-	-	-	-
501 code	501002	501003	501004	501005	501006	501007	501008	501009	501010	501011	501012

■ Male - Female



571 - Red steel lever

570 - Red butterfly handle

517 - Blue steel lever

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	10	8	6	4
571 code	571002	571003	571004	571005	571006	571007	571008	571009
570 code	570002	570003	570004	570005	570006	-	-	-
517 code	517002	517003	517004	517005	517006	517007	517008	517009

■ Male - Male



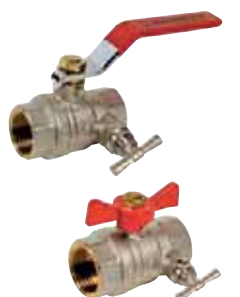
566 - Red steel lever

565 - Red butterfly handle

518 - Blue steel lever

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	10	8	6	4
566 code	566003	566004	566005	566006	566007	566008	566009
565 code	565003	565004	565005	565006	-	-	-
518 code	518003	518004	518005	518006	518007	518008	518009

■ Female - Female. with drainer



510 - Red steel lever

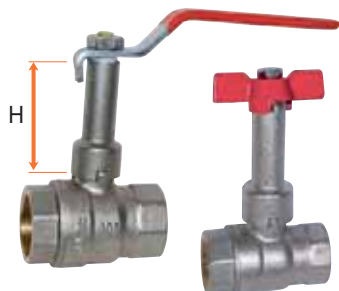
530 - Red butterfly handle

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	8	4	4
510 code	510004	510005	510006	510007	510008	510009
530 code	530004	530005	530006	-	-	-

Stem extension

PN25/20 - Excluded from 97/23/EC directive (article 1, § 3.2) - Nickel plated CW617N brass body - PTFE gland pack & ball gaskets - Chromed brass ball - Full bore - Anti-blowout stem - Temperature range: -10°C/+120°C.

Female-Female

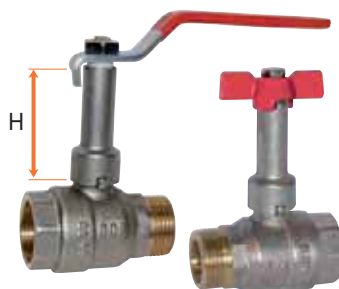


615 - Red steel lever

617 - Red butterfly handle

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	8	5	4	3	1
H (mm)	50	50	50	50	60	70	70	70
615 code	615002	615003	615004	615005	615006	615007	615008	615009
617 code	-	-	617004	617005	-	-	-	-

Male-Female



616 - Red steel lever

618 - Red butterfly handle

Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	8	5	4	3	1
H (mm)	50	50	50	60	70	70	70
616 code	616003	616004	616005	616006	616007	616008	616009
618 code	-	618004	618005	-	-	-	-

Union fitting

Excluded from 97/23/EC directive (article 3, § 3) - Nickel plated brass body - O-ring on stem - Full bore - Anti-blowout stem - Max. pressure: 25 bar - Temperature range: -10°C/+80°C.

524 - Male-Female



Ø	1/2"	3/4"	1"	1"1/4"
pack	10	10	10	6
code	524004	524005	524006	524007

3 ways

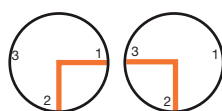
Excluded from 97/23/EC directive (article 3, § 3) - Nickel plated brass body - PTFE gland pack - 3 ways tightness - Max. pressure: 16 bar - Temperature range: -10°C/+120°C.

513 - L port

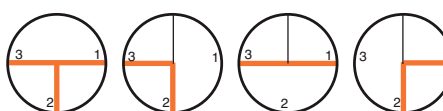
514 - T port



Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
513 code	513002	513003	513004	513005	513006	513007	513008	513009
514 code	514002	514003	514004	514005	514006	514007	514008	514009



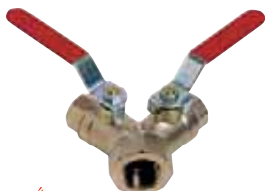
L port



T port

Nickel plated CW617N brass body - PTFE gland pack - Excluded from 97/23/EC directive (article 3, § 3) - Max. pressure: 16 bar - Temperature range: -10°C/+120°C.

589 - Y type



Ø	1/2"	3/4"	1"	1"1/4"
Outlets (2)	3/8"	1/2"	3/4"	1"
code	589043	589054	589065	589076

Mini

Nickel plated brass body - Anti-blowout stem - Max. pressure: 16 bar - Temperature range: -10°C/+90°C.



677 - Female-Female 674 - Male-Female

Ø	1/4"	3/8"	1/2"
677 code	677002	677003	677004
674 code	674002	674003	674004

694 - Male-Female

With exhaust hole.

Ø	1/4"	1/2"
code	694002	694004



697 - Female-Female

With exhaust hole.

Ø	1/4"	3/8"	1/2"
code	697002	697003	697004

690 - Male-Male

Ø	1/4"	3/8"	1/2"
code	690002	690003	690004



NEW

High temperature - Solar



97/23/EC directive n° 0036 - Risk category II - CF8M body & ball - PTFE-graphite seat, body gasket & gland pack - FKM (Viton®) o-ring - Full bore - Anti-blowout stem - Locking device - Max. pressure: 63 bar - Temperature range: -20°C/+200°C.

714 - Female-Female

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	714004	714005	714006	714007	714008	714009



Gas



Excluded from 97/23/EC directive (article 1, § 3.6) - Valve for public gas network XPE 29141-MOP 5 category - CW617N brass body - Heavy model with anti-blowout stem - PTFE seats - FKM (Viton®) o-ring on stem - Pressure: 0 to 5 bar - Temperature range: -5°C/+60°C.

620 - Female-Female

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	5	3	2
code	620004	620005	620006	620007	620008	620009



Water meters



Excluded from 97/23/EC directive (article 1, § 3.2) - CW617N brass body & ball - PTFE gland pack - Anti-blowout stem - Max. pressure: 20 bar - Temperature range: -10°C/+120° C.

635 - Female-Female

Ø free nut	3/4"	3/4"
Ø connection	1/2"	3/4"
pack	10	10
code	635054	635055



636 - Male-Female

Ø free nut	1/2"	3/4"	3/4"	3/4"
Ø connection	1/2"	1/2"	3/4"	1"
pack	10	10	10	10
code	636044	636054	636055	636056



Distribution manifolds



Excluded from 97/23/EC directive (article 1, § 3.2) - CW617N brass body & ball.

633 - Male-Female

Ø free nut	1/2"
Ø male	1/2"
pack	10
code	633044



678 - Female-Male

Ø	1/2"
pack	10
code	678004



Gate valves

Excluded from 97/23/EC directive (article 1, § 3.2) - Max. pressure: 16 bar up to 2", 10 bar above - Temperature range: -10°C/+80°C.



102 - Brass

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	102002	102003	102004	102005	102006	102007	102008	102009	102010	102011	102012

Excluded from 97/23/EC directive (article 3, § 3) - Max. pressure: 16 bar up to 2", 10 bar above - Temperature range: -10°C/+80°C.



146 - Bronze

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
code	146002	146003	146004	146005	146006	146007	146008	146009	146010	146011	146012

Globe valve



97/23/EC directive N° 0497 - Risk category III - For compatible common fluids of group 2 - Metal seat - Max. pressure: 16 bar - Temperature range: -10°C/+110°C.



460 - Bronze

Ø	1/4"	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
code	460002	460003	460004	460005	460006	460007	460008	460009

Manual control valve



Excluded from 97/23/EC directive (article 1, § 3.2) - CW617N brass body - Micrometric control - Max. pressure: 16 bar - Temperature range: -10°C/+110°C.



465 - Column base brass valve

Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	3	3	2	2	2	1
code	465004	465005	465006	465007	465008	465009

Excluded from 97/23/EC directive (article 1, § 3.2) - CW617N body & ball (except 795: stainless steel CF8M) - Max. pressure: 16 bar (except 696: 8 bar; 1345: 10 bar) - Temperature range: -10°C/+60°C (except 795: 0°C/+150°C).



696 - Nickel plated brass body
With hose connection & red steel lever.



Ø	1/2"	3/4"	3/4"
Outlet	3/4"	3/4"	1"
Hose pack	19	19	20,5
code	696045	696055	696056



With red butterfly handle.



Ø	1/2"	3/4"
Outlet	3/4"	3/4"
Hose pack	19	19
code	696145	696155



682 - Plain brass body
With hose connection & red steel lever.



Ø	1/2"	1/2"	3/4"	3/4"	1"
Outlet	3/4"	3/4"	3/4"	1"	1" 1/4
Hose pack	17	15	19	22	26
code	682045	682046	682055	682056	682067



681 - Plain brass body
With hose connection & brass butterfly handle.



Ø	1/2"
Outlet	3/4"
Hose pack	17
code	681045



699 - Nickel plated brass body
With locking device.

Ø	1/2"	3/4"
Outlet	3/4"	3/4"
Hose pack	19	19
code	699045	699055



795 - Stainless steel body

Ø	1/2"	3/4"
Outlet	3/4"	3/4"
Hose pack	19	19
code	795045	795055



1345 - Brushed brass body

Ø	1/2"	3/4"	3/4"
Outlet	3/4"	3/4"	1"
Hose pack	17	17	22
code	1345045	1345055	1345056



695 - Watering box
With angle brass ball valve.

Ø	15	20
Male outlet	3/4"	1"
Female hose	3/4"+1/2"	3/4"
code	695015	695020



Check valves



Spring

Excluded from 97/23/EC directive (article 3, § 3) - CW617N brass body - Temperature range: -10°C/+100°C.



309 - Block® - Polymere clack



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Max. pressure (bar)	12	12	12	10	10	10
pack	14	12	10	8	6	4
code	309004	309005	309006	309007	309008	309009

NEW



306 - Standard - Polymere clack



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Max. pressure (bar)	16	16	16	16	10	10	10	8	8	8
pack	10	10	10	10	10	10	10	1	1	1
code	306003	306004	306005	306006	306007	306008	306009	306010	306011	306012

307 - Reference + - Brass clack



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Max. pressure (bar)	25	25	25	25	18	18	18	12	12	12
pack	10	10	10	10	10	10	10	1	1	1
code	307003	307004	307005	307006	307007	307008	307009	307010	307011	307012

305 - Europe® - Brass clack



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Max. pressure (bar)	25	25	25	25	18	18	18	12	12	12
pack	10	10	8	6	4	4	2	1	1	1
code	305003	305004	305005	305006	305007	305008	305009	305010	305011	305012

315 - Roma® - Heavy model with drainer



Stainless steel 304 inner parts - 2 brass drainer caps - FKM (Viton®) gasket.



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Max. pressure (bar)	25	25	25	25	18	18	18
pack	10	10	8	6	4	4	2
code	315003	315004	315005	315006	315007	315008	315009

Swing

Excluded from 97/23/EC directive (article 1, § 3.2) - CW617N brass body.

301 - Metal seat

Max. pressure: 10 bar - Temperature range: 0°C/+90°C.

302 - EPDM seat for 3/8" to 2" - NBR seat for 2"1/2 to 4"

Max. pressure: 10 bar - Temperature range: 0°C/+60°C.



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
pack	18	16	15	10	8	5	1	1	1	1
301 code	301003	301004	301005	301006	301007	301008	301009	301010	301011	301012
302 code	302003	302004	302005	302006	302007	302008	302009	302010	302011	302012

Foot valves

Excluded from 97/23/EC directive (article 1, § 3.2) - CW617N brass body.

311 - Standard - Polymere clack

Stainless steel 304 strainer - NBR gasket - Temperature range: 0°C/+65°C.



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Max. pressure (bar)	16	16	16	10	10	10	8	8	8
pack	10	8	8	6	4	2	1	1	1
code	311004	311005	311006	311007	311008	311009	311010	311011	311012

NEW



304 - Reference + - Brass clack

CW617N brass strainer - NBR gasket - Temperature range: 0°C/+90°C.

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Max. pressure (bar)	10	10	10	8	8	8	6	6	6
pack	12	16	15	10	5	1	1	1	1
code	304004	304005	304006	304007	304008	304009	304010	304011	304012

Y-strainers



Excluded from 97/23/EC directive (article 1, § 3.2) - Max. pressure: 16 bar up to 2", 10 bar above - Max. temperature 120°C (except ref. 619: 110°C).

206 - Brass

CW617N brass body - Stainless steel 304 screen, mesh 0,85 mm.



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2
code	206003	206004	206005	206006	206007	206008	206009	206010

202 - Bronze

Stainless steel 304 screen, mesh 0,4 mm up to 1", 0,5 mm above.

203 - Bronze - For gas

Stainless steel 304 screen, mesh 0,3 mm.



Ø	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
202 code	202003	202004	202005	202006	202007	202008	202009	202010	202011	202012
203 code	203003	203004	203005	203006	203007	203008	203009	203010	203011	203012

211 - Brass with drain cock

CW617N brass body - Stainless steel 304 mesh 0,85 mm.



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
code	211004	211005	211006	211007	211008	211009

619 - Brass with built-in ball valve

CW617N brass body - Stainless steel 304 screen, mesh 0,5 mm.



Ø	1/2"	3/4"	1"	1"1/4
code	619004	619005	619006	619007

Ball valves

Excluded from 97/23/EC directive (article 1, § 3.2) - Use : swimming pool, water treatment & distribution - PVC body & ball - HPDE ball gaskets - EPDM o-ring gaskets - Max. Δp: 3 bar - Temperature range: 0°C/+60°C.

583 - With glued unions



DN	20	25	32	40	50	63	75	90
Max. pressure (bar)	16	16	16	16	16	10	10	10
code	583020	583025	583032	583040	583050	583063	583075	583090

584 - With threaded unions

Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Max. pressure (bar)	16	16	16	16	16	10	10	10
code	584004	584005	584006	584007	584008	584009	584010	584011

Butterfly valve

PVC body & disc - EPDM Seat - 7 positions handle - Max. Δp: 3 bar - Temperature range: 0°C/+40°C.



1100 - Wafer - Flanged PN10

DN	65	80	100	125	150	200
Max. pressure (bar)	10	10	10	10	6	6
code	1100065	1100080	1100100	1100125	1100150	1100200

Ball check valve

3.1



10 €/DN

Excluded from 97/23/EC directive (article 1, § 3.2) - EN 12050-4 (for lifting stations) - PVC body & ball - EPDM gasket - Max. pressure: 10 bar - Temperature range: 0°C/+60°C.

334 - Threaded



Ø	1" 1/4	1" 1/2	2"	2"1/2	3"
Face to face	144	158	190	270	324
code	334007	334008	334009	334010	334011



Heating

• Radiator equipment

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• Solar heating equipment

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• Self-regulating heating cable

page 226



Thermostatic radiator valves

Control head

Built-in sensor with liquid-filled element.



Thermostatic control head

pack	code
1/126	TTH



Protection shell

code
ZCAVH

Key for protection shell



code
ZCCAV

Radiator valves

Chrome plated - With O-ring.

Angle type



Ø	pack	code
3/8"	15/90	RTH12E
1/2"	6/48	RTH15E



Straight type

Ø	pack	code
3/8"	15/120	RTH12D
1/2"	6/48	RTH15D

Reverse type



Ø	pack	code
3/8"	9/72	RTH12EI
1/2"	9/72	RTH15EI

Lockshield valves

Chrome plated - With O-ring.

Angle type



Ø	pack	code
3/8"	20	CR12CH
1/2"	15	CR15CH



Straight type

Ø	pack	code
3/8"	20	TR12CH
1/2"	15	TR15CH

Manual radiator valves

Radiator valves

Nickel plated - With O-ring.



Angle type

Ø	pack	code
3/8"	8/120	RRA12EN
1/2"	6/120	RRA15EN
3/4"	6/72	RRA20EN



Straight type

Ø	pack	code
3/8"	20/120	RRA12DN
1/2"	8/120	RRA15DN
3/4"	10/40	RRA20DN

Lockshield valves

Nickel plated - With O-ring - May also be combined with thermostatic radiator valves.

Angle type



Ø	pack	code
3/8"	20/160	CR12N
1/2"	15/120	CR15N
3/4"	8/96	CR20N
* 1"	-	CR26
* 1"1/4	-	CR33



Straight type

Ø	pack	code
3/8"	20/60	TR12N
1/2"	15/120	TR15N
3/4"	10/60	TR20N
* 1"	-	TR26
* 1"1/4	-	TR33

* brass, no external gasket

* brass, no external gasket

Radiator fittings

For copper pipes

Chrome plated



Ø	code
1/2" - 14	ZRTC1514
1/2" - 16	ZRTC1516

Angle connection for plastic pipes



Ø	pack	code
MM 1/2" (14,5 mm bore)	2	CR145

For multilayer pipes Ø 16

Nickel plated



Ø	code
M 1/2"	86716

Union fittings, see page 158



Valves for panel radiators

Nickel plated body - Ball valve - Supplied with socket MM 3/4" - For radiator F 1/2".

Single valves

Straight type



Ø	pack	code
1/2"	5	V20D

Angle type



Ø	pack	code
1/2"	5	V20E

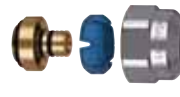
Fittings

For copper pipes



Ø	pack	code
3/4" x 10	100	437510
3/4" x 12	100	437512
3/4" x 14	100	437514
3/4" x 15	100	437515
3/4" x 16	100	437516
3/4" x 18	100	437518

For plastic pipes



Ø	pack	code
3/4" x 10/12	10	681501
3/4" x 13/16	10	681535
3/4" x 16/20	10	681564

For multilayer pipes - Free nut Eurocone



Ø	pack	code
3/4" x 16	10	REC416

Electric sets for towel heater

When the boiler is off, the set offers the requested temperature and dries the towels - Includes: heating cartridge, chromed tee, control panel, o-rings & key - Boost mode - Anti-overheating safety (with thermostat and thermofuse) - 230V AC +10%/-20% 50Hz - Thermoplunger class II (EN60335-1) - Electronic control with microprocessor - Pilot thread 6 orders.



Digital

Temperature setting: 7 to 30°C

White	Power (W)	code
	500	KM0500DB
	750	KM0750DB
	1000	KM1000DB
	1250	KM1250DB



Analogical

Temperature setting: 8 to 30°C

White	Power (W)	code
	500	KM0500AB
	750	KM0750AB
	1000	KM1000AB
	1250	KM1250AB



Grey	Power (W)	code
	500	KM0500DG
	750	KM0750DG
	1000	KM1000DG
	1250	KM1250DG



Radiator air vents & drain cocks



For carbon steel radiators.

Packaging:
blister of 10 pcs
or bulk



5 mm
key

Air vent with adjustable outlet

Ø	packaging	pack	code
1/2"	blister of 10	50/200	BP15
1/2"	bulk	500	BP15V

Wheel air vent

Ø	packaging	pack	code
1/8"	blister of 10	50/200	PV05C
1/8"	bulk	100	PV05CV



Plain cap



Ø	packaging	pack	code
1/2"	blister of 10	50/200	BPL15
1/2"	bulk	500	BPL15V

Wheel air vent with adjustable outlet

Ø	packaging	pack	code
1/8"	blister of 10	50/200	PV05B
1/8"	bulk	50	PV05BV
1/4"	blister of 10	50/200	PV08B
1/4"	bulk	50	PV08BV



Reduction nipple



Ø	packaging	pack	code
1/2" - 3/8"	blister of 10	50/200	R1512
1/2" - 3/8"	bulk	500	R1512V
1/2" - 1/8"	blister of 10	50/200	R1505
1/2" - 1/8"	bulk	500	R1505V

Hostaform wheel air vent

Rubber seat & PTFE ring



Ø	packaging	pack	code
1/8"	bulk	50	PV05L

blister of 10 pcs



5 mm
key

Mini drain cock with adjustable outlet

Ø	packaging	pack	code
1/2"	blister of 10	50/200	RV15
1/2"	bulk	500	RV15V

Square driving air vent with adjustable outlet

5 mm
key



Ø	packaging	pack	code
1/8"	blister of 10	50/200	PC05B
1/8"	bulk	100	PC05BV



bulk

Mini drain cock with O-ring



Ø	packaging	pack	code
3/8"	blister of 10	50/200	RV12
3/8"	bulk	50	RV12V

4 mm
key



Square driving air vent

Ø	packaging	pack	code
1/8"	blister of 10	50/200	PC05C
1/8"	bulk	100	PC05CV

Automatic hygroscopic air vent



Ø	pack	code
1/8"	25	PD05
1/4"	25	PD08
3/8"	25	PD12
1/2"	25	PD15

Key for square driving air vent

	pack	code
4 mm	10	ZCLE4
5 mm	10	ZCLE5

Drain cock ball valve



Ø	pack	code
1/2"	150	RVC15T

Conical drain valves

Male - Female



Ø	pack	code
3/8"	25	60112
1/2"	25	60115
3/4"	10	60120

Female - Female



Ø	pack	code
3/8"	25	60212
1/2"	25	60215
3/4"	10	60220

Male & cap



Ø	pack	code
3/8"	25	60312
1/2"	25	60315
3/4"	10	60320

Nozzle

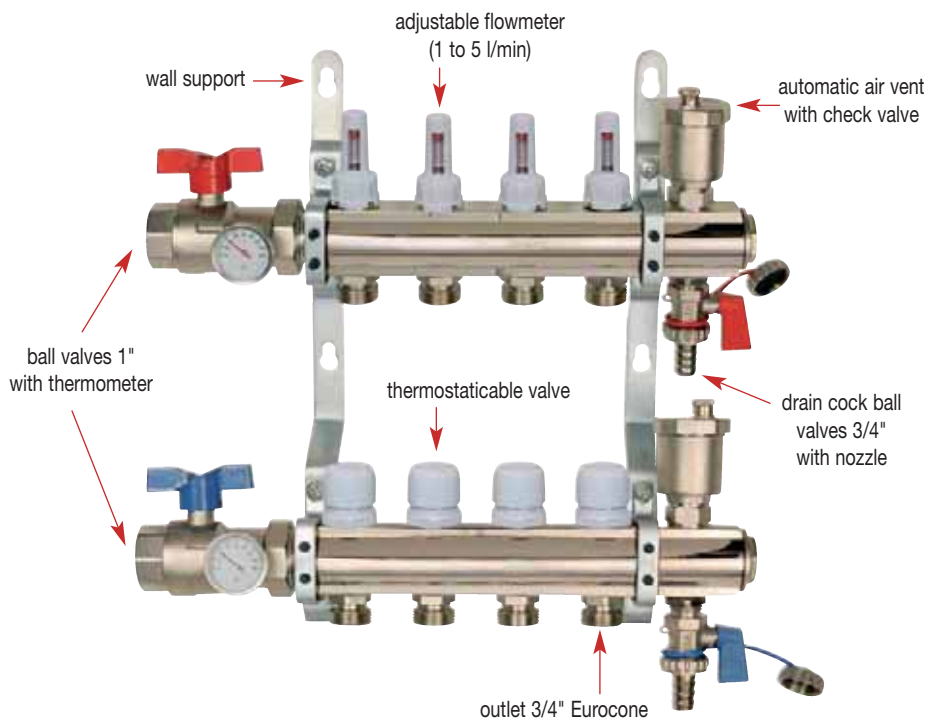


Ø	pack	code
3/8"	25	ZRT12
1/2"	25	ZRT15
3/4"	25	ZRT20

Heating floor components



Distribution manifold



Complete set

Outlets	Dimension (mm)	code
2	270	COLSTC2
3	320	COLSTC3
4	370	COLSTC4
5	420	COLSTC5
6	470	COLSTC6
7	520	COLSTC7
8	570	COLSTC8
9	620	COLSTC9
10	670	COLSTC10



Fittings for plastic pipes

Sold by multiple of 10.



Ø	pack	code
3/4"-13x16	10	680416N
3/4"-16x20	10	680420N



Sold by multiple of 10.

Ø	pack	code
3/4"-13x16	10	680416
3/4"-16x20	10	680420

Housing

Adjustable depth 110 mm to 140 mm.



Dimensions	Outlets	code
500x400	2 to 3	COF3
500x600	4 to 6	COF6
500x800	7 to 9	COF9
500x1000	10 to 12	COF12

Cap for outlet



Ø	code
3/4"	BOUDERS1

Electric head

No tension, closed - 0,80 m wire - 230V.



code
TET220

Wall support

(sold by 2)



code
SUPSTC



Thermometer

code
THESTC

Flowmeter

code
DEBSTC



Drain cock ball valve

code
red ROBSTCR
blue ROBSTCB



NEW

Thermostatic shut-off valve

code
ROBTHSTC



Accessories for heating floor slabs



Slab heating cutter

code
THE

Spare blade

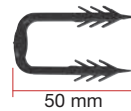


code
LAM



Mechanical staple
for AG40 & AG60 staples

code
AGRAF



Jumpers
50 mm
(sold by 500)

code
CAV



Screw clamps
for 13x16 & 16x20 pipes (sold by box of 500)

pack	code
2 boxes	CLVIS

Staples

for 13x16 & 16x20 pipes (sold by box of 300)



40 mm

pack	code
20 boxes	AG40



60 mm

10 boxes	AG60
----------	------

Precut peripheral insulations



With wiper

(sold by roll)
50 m x 150 mm - 8 mm thick
25 m x 180 mm - 8 mm thick

pack	code
8 rolls	ISOFB
4 rolls	ISOFB2



Self-adhesive with wiper

(sold by roll)
50 m x 150 mm - 8 mm thick

pack	code
4 rolls	ISOFA



With adhesive wiper for sleek tile

(sold by roll)
50 m x 150 mm - 8 mm thick

pack	code
8 rolls	ISOFBA



Standard

(sold by roll)
50 m x 120 mm
50 m x 180 mm

pack	code
10 rolls	ISOST
6 rolls	ISOST2



50 m x 150 mm

8 rolls	ISOSTM
---------	--------



Para-heating protection fluid

1 l
5 l

pack	code
16	PAR1
	PAR5



Pump

for Para-heating 1 l
for Para-heating 5 l

code
POM1
POM5



Cutting pliers

for pipes up to Ø 32
blister

code
PINCOU



for pipes up to Ø 32
blister
box of 10

code
PINCT
PINCT10



Test pump

Max. pressure 50 bar

code
POMEPR



Bending springs

for plastic pipes

10 x 12 mm
13 x 16 mm
16 x 20 mm
20 x 25 mm

code
RES12
RES16
RES20
RES25



Tanks for heating

Expansion tanks

■ Closed tanks



Test pressure 6 bar - Working pressure 4 bar, except 6 bar for 80l - Working temperature -10°C/+99°C - Max. temperature +110°C - SBR membrane according to DIN 4807 - Max. glycol: 30% - Carbon steel body.

Standard



CE
CE

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
4	0,5	3/4" M	225	195	V004
8	0,5	3/4" M	220	295	V008
12	1	3/4" M	294	281	V012
18	1	3/4" M	290	400	V018
25	1	3/4" M	324	415	V025



CE

Standard

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
35	1,5	3/4" M	404	387	V035
50	1,5	3/4" M	404	507	V050



CE

Standard

Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
80	2	3/4" M	450	608	V080
105	2	3/4" M	500	665	V105
150	2	3/4" M	500	897	V150
200	2,5	3/4" M	600	812	V200
250	2,5	3/4" M	630	957	V250
300	2,5	3/4" M	630	1105	V300
400	2,5	3/4" M	630	1450	V400
500	2,5	1" M	750	1340	V500
600	2,5	1" M	750	1555	V600
700	2,5	1" M	750	1755	V700
800	2,5	1" M	750	1855	V800
1000	2,5	1"1/2 M	850	2100	VMIL

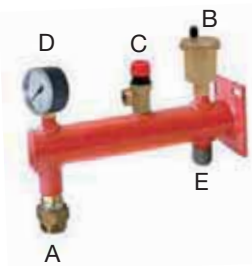
Flat



Volume (l)	Set pressure (bar)	Connection	Ø (mm)	Height (mm)	code
8	1	3/8" M	387	100	VC53108
10	1	3/8" M	387	110	VC53110
12	1	3/4" M	387	140	VC53112
18	1	3/4" M	387	200	VC53118

6	1	3/4" M	324	100	VC54106
8	1	3/4" M	324	129	VC54108
10	1	3/8" M	324	139	VC54110
12	1	3/4" M	324	169	VC54112

■ Tank accessories



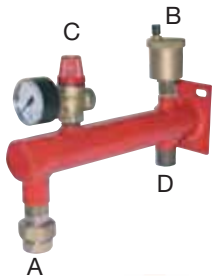
Equipped wall brackets

(for tanks up to 25 l)

Includes:

- A. tank union fitting
- B. air vent 3/8" F
- C. safety valve 1/2"
- D. manometer
- E. heating circuit outlet 3/4" M

code
ZSMCI



Includes:

- A. tank union fitting
- B. air vent 3/8" F
- C. safety valve 1/2" with manometer
- D. heating circuit outlet 3/4" M

code
ZSMC



Quick union fitting

(with built-in check valve)

code
RDV20MF



Pressure controller

(0 to 4 bar)

code
ZCP

Wall brackets

(for tanks up to 25 l)

With manometer outlet

code
ZSMI



Without manometer outlet

code
ZSM



For solar heating

code
ZSMSO



Wall support

(for tanks up to 25 l)

code
SUPVAS



Square for tank

(for tanks up to 25 l)

code
ZSEQ

■ Open tanks

Use: for solid fuel (coal, wood, ...) boilers.



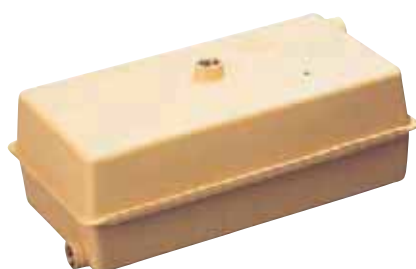
Stainless steel

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
22	1/2" F	500	290	155	VI22
30	1/2" F	500	290	215	VI30
50	1/2" F	500	350	300	VI50



Galvanised steel

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
20	1" F	500	260	160	VGR020
30	1" F	550	380	150	VGR030
50	1" F	550	380	255	VGR050



Polypropylene

Standard (3 inserts)

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
22	3/4" F	535	290	200	VP22
33	3/4" F	535	290	300	VP33
45	3/4" F	530	290	395	VP45

Universal (4 inserts)

Volume (l)	Connection	Length (mm)	Width (mm)	Height (mm)	code
22	3/4"	545	290	225	VP22U

Mixing water tanks for heat pumps

To be installed between the boiler and the heat pump - Carbon steel body - Supplied with 4 caps (up to 50 l).

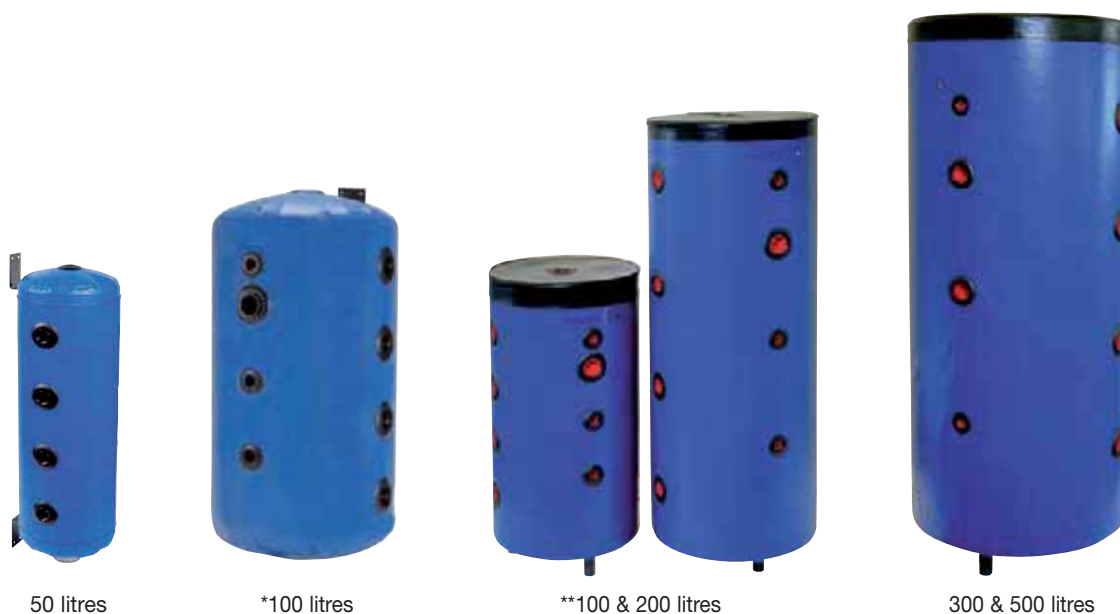


Heating

Volume (l)	Height (mm)	Ø (mm)	Insulation thickness (mm)	Outlets center distance (mm)	Outlets by side	Ø outlet	code
8	382	294	50	126	2	1"	BMEL08SK
12	526	294	50	90	4	1"	BMEL12SK
25	790	260	50	150	4	1"1/4	BMEL25SK

Heating & air conditioning

Volume (l)	Height (mm)	Ø (mm)	Insulation thickness (mm)	Outlets center distance (mm)	Outlets by side	Ø outlet	code
25	790	320	20	150	4	1"1/4	BMEL25CF
50	1000	313	20	200	4	1"1/4	BMEL50SK
* 100	949	440	20	175	4	1"1/4	BMEL100SKM
** 100	954	450	25	175	4	1"1/4	BMEL100SK
** 200	1438	510	30	330	4	1"1/4	BMEL200SK
300	1515	620	35	275/300	4	1"1/2	BMEL300SK
500	1816	720	35	350/380	4	2"	BMEL500SK



50 litres

*100 litres

**100 & 200 litres

300 & 500 litres

Injection tank

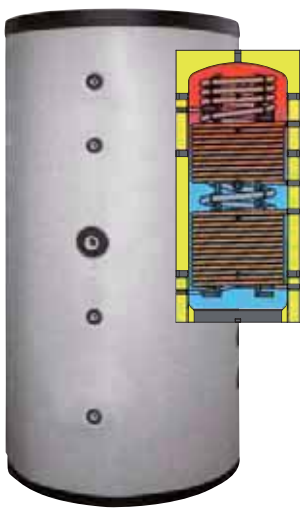
For heating and air conditioning: anti-frost and glycol filling.



Supplied with funnel



Volume (l)	Ø	code
12	3/4" M - 1" M	BI12J
25	3/4" M - 1" M	BI25J



Storage and exchanger tanks



Heating water storage and sanitary water production tank

Up to 3 different heating sources, with an additional electric supply -
Used for solid fuel boilers, biomass and solar heating system - Carbon steel body -
2 carbon steel pipe exchangers - 1 stainless steel 316L pipe for instant sanitary hot water production -
100 mm soft polyurethane insulation.

Capacity (l)	Net volume (l)	code
570	503	BSE0570
800	738	BSE0800
1000	855	BSE1000
1500	1324	BSE1500
2000	1829	BSE2000



Heating water storage tank

For discontinuous heating boilers (such as wood boilers) - Carbon steel body -
100 mm soft polyurethane insulation, white plastic coated (heat conductivity 0,038 W/mK) -
1"1/2 outlet for additional electric resistance - Storage: max. pressure 3 bar, max. temperature 99°C -
Exchanger: max. pressure 12 bar, max temperature 99°C.

Without exchanger

Capacity (l)	code
500	BS0500V
800	BS0800V
1000	BS1000V
1500	BS1500V

With carbon steel pipe exchanger

Capacity (l)	Exchanger surface (m²)	code
500	2,10	BS0500SE
800	2,45	BS0800SE
1000	3,00	BS1000SE
1500	3,70	BS1500SE



Resistances and heating water heaters

Resistances

Incoloy thermoplungers - 1"1/2 connection - For 100 to 500 l tanks -
Control and safety thermostats (manual reset) - 2 m wire.

Thermostats	Power (kW)	Max. power (W/cm²)	Plunger length (mm)	code
230V	2	8,5	320	RES2000TM
30-70°C	3	10,3	320	RES3000TM
Safety: 90°C	6	10,3	380	RES6000TM



3-400V	2	10,1	229	RES2000TT
30-75°C	3	10,0	314	RES3000TT
Safety: 98°C	4	10,0	399	RES4000TT
	5	12,5	400	RES5000TT
	6	15,1	400	RES6000TT

Heating water heaters

Stainless steel 304 body - Insulated body - Incoloy-800 resistancies - Max. glycol 25% -
1" F connections - Control and safety thermostats (manual reset) - Wall support - 2 m wire.

Thermostats	Power (kW)	Max. power (W/cm²)	code
230V	3	3,2	RB03000M
30-70°C	6	6,5	RB06000M
Safety: 90°C			



3-400V	3 x 1	3,2	RB03000T
30-75°C	3 x 2	6,5	RB06000T
Safety: 98°C	3 x 3	9,7	RB09000T

Safety valves

Safety valves

■ Brass body

Pre-set (bar)	Ø	pack	code
2,5	1/2" FF	10	23120V
3	1/2" FF	10	23130V
4	1/2" FF	10	23140V
2,5	3/4" FF	10	23220V
3	3/4" FF	10	23230V
4	3/4" FF	10	23240V

Pre-set 6 to 10 bar,
see page 228

Pre-set (bar)	Ø	pack	code
3	1/2" MF	10	23030V

With manometer - Sold by 10 pcs only.

Pre-set (bar)	Ø	pack	code
3	1/2" FF	10	23132V

■ Bronze body



Pre-set (bar)	Discharge capacity			code
	kW	kcal/h	Ø	
3	169	146 000	1/2" FF	S15G
3	269	232 000	3/4" FF	S20G3
4	337	290 000	3/4" FF	S20G4
5	400	344 000	3/4" FF	S20G5

Pre-set (bar)	Discharge capacity			code
	kW	kcal/h	Ø	
3	503	433 000	1" FF	S26G3
4	627	540 000	1" FF	S26G4
5	748	643 000	1" FF	S26G5

■ High temperature - Solar heating

Brass body - Max. temperature 110°C.

Pre-set (bar)	Ø	code
3	1/2"F-3/4F"	27030V
6	1/2"F-3/4F"	27060V

Funnel

Carbon steel

250 x 100 mm

400 x 100 mm

Ø	code
2"	ZE50
2"1/2	ZE65

Bronze body - Max. temperature 160°C - Max. power 100 kW.

Pre-set (bar)	Ø	code
6	3/4" FF	SHT20G6
10	3/4" FF	SHT20G10



Differential valve

Brass body - With free nuts - Max. temperature 110°C - Max. pressure 10 bar - Adjustable 0,1 to 0,6 bar differential.

Ø	code
3/4"	SDD

Air vents & separators

Automatic air vents

■ Compact



Brass - Check valve not included.

Ø	pack	code
3/8" M	10	41013V
1/2" M	10	41014V

■ Standard



Brass - Check valve not included.

Ø	pack	code
3/8" M	10	42003V
1/2" M	10	42004V

Check valve for air vents



Ø	pack	code
3/8"	10	39903V
1/2"	10	39904V

■ Solar



Brass - Max. temperature 180°C -
Shut-off valve not included.

Ø	pack	code
3/8" M	10	PRHT12V
1/2" M	10	PRHT15V

Shut-off valve

Brass - Max. temperature 180°C.



Ø	code
3/8"	ZVS12HTV
1/2"	ZVS15HTV

■ Heavy duty



Cast iron - BSP threaded - Max. pressure 10 bar -
Max. temperature 120°C.

Ø	code
3/4"	PF20

Dirt separators

For domestic use

Carbon steel



Volume (l)	Ø	code
4	1"	PID05
10	1"1/4	PID07

For collective use

Carbon steel - Male connections for DN50, flanged PN16 above.



Volume (l)	DN	code
80	50	PD050
100	65	PD065
130	80	PD080
200	100	PD100
300	125	PD125
500	150	PD150

Circulators



Circulators for domestic use

NEW

According to the 2013 & 2015 european directive ErP 2009/125/EC (ex euP) - EEI for EVOTRON 40: 0,19 - EEI for EVOTRON 60 & 80: 0,23 - 0,4 to 4,2 m³/h - Temperature range: -10°C/+110°C - Max. pressure 10 bar - IP44 - Insulation class: F - 230V~50/60Hz - Max. glycol 30%.



	Length (mm)	Ø	code
EVOTRON 40	130	1"1/2	EV40130
	180	1"1/2	EV40180
	180	2"	EV40180X
	130	1"	EV4013026
EVOTRON 60	130	1"1/2	EV60130
	180	1"1/2	EV60180
	180	2"	EV60180X
	130	1"	EV6013026
EVOTRON 80	130	1"1/2	EV80130
	180	1"1/2	EV80180
	180	2"	EV80180X

Solar circulators, see page 224



Ball valve free nut 1"1/2 & outlet F 1"

code
ZVSC4026

Oval flanges with bolts DN25
(sold by set of 2)



Ø	pack	code
3/4" F	50	ZCB20
1" F	35	ZCB26
1"1/4 F	25	ZCB33

Union fittings (sold by 2)

For threaded circulators Ø 1"1/2

Threaded

	Ø	pack	code
Cast iron	3/4" F	24	ZRU20
	1" F	24	ZRU26
Carbon steel	1"1/4 M	24	ZRU33M
Brass	1/2" F	50	ZRUL15
	3/4" F	50	ZRUL20
	1" F	50	ZRUL26

Welding

	Ø	pack	code
Brass	22	50	ZRCU22
Brass	28	50	ZRCU28

For threaded circulators Ø 2"

Threaded

	Ø	pack	code
Cast iron	1"1/4 F	24	ZRU33F

Threaded oval flanges 1"1/2 with gaskets & bolts
(sold by set of 2)



code
ZB040

Adaptors 1"1/2 F - 2" M with gaskets
(sold by set of 2)



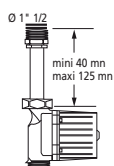
code
ZF4050

E set 1"1/2 threaded with gasket M/F 1"1/2



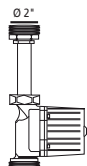
Brass extension 20 mm
Brass extension 30 mm

code
ZKE40
ZKE4030



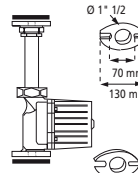
A set for Ø 1"1/2

code
ZKA



B set for Ø 2"

code
ZKB



C set for oval flanges DN25/32

code
ZKC



Circulators for hot water service



Brass - Standard

Includes valve, check valve,
1/2" M union fittings.



code
V152HT
V152H
V152M

With clock & thermostat 45/65°C
With clock, without thermostat
Without clock & thermostat

Body FF 1/2"



Without clock & thermostat

code
V152F



NEW Brass - Very low consumption

Includes valve, check valve,
1/2" M union fittings.



code
V155SL
V155VZ

Self-regulating
With clock

Body FF 1/2"



Without clock & thermostat

code
V155R



NEW Bronze

According to the 2013 & 2015 european
directive ErP 2009/125/EC (ex euP).



Length (mm)	Ø	code	
EVOTRON SAN 40	150	1"1/2	EVS40150
EVOTRON SAN 60	150	1"1/2	EVS60150
EVOTRON SAN 80	150	1"1/2	EVS80150

Length (mm)	Ø	code	
EVOPLUS SAN 40	180	1"1/2	EVS40180
EVOPLUS SAN 60	180	1"1/2	EVS60180
EVOPLUS SAN 80	180	1"1/2	EVS80180
EVOPLUS SAN 110	180	1"1/2	EVS110180

NEW

Circulators for collective use



	Length (mm)	Ø	Flanged	code
EVOPLUS 40	180	1"1/2		EVO40180M
EVOPLUS 40	180	2"		EVO40180XM
EVOPLUS B40	250		DN40	EVOB40250
EVOPLUS D40 - Double	250		DN40	EVOD40250
EVOPLUS 60	180	1"1/2		EVO60180M
EVOPLUS 60	180	2"		EVO60180XM
EVOPLUS B60	250		DN40	EVOB60250
EVOPLUS D60 - Double	250		DN40	EVOD60250
EVOPLUS 80	180	1"1/2		EVO80180M
EVOPLUS 80	180	2"		EVO80180XM
EVOPLUS B80	250		DN40	EVOB80250
EVOPLUS D80 - Double	250		DN40	EVOD80250
EVOPLUS 110	180	1"1/2		EVO110180M
EVOPLUS 110	180	2"		EVO110180XM
EVOPLUS B110	250		DN40	EVOB110250
EVOPLUS D110 - Double	250		DN40	EVOD110250
EVOPLUS B120	220		DN32	EVOB12032
EVOPLUS D120 - Double	220		DN32	EVOD12032
EVOPLUS B40	220		DN40	EVOB4040
EVOPLUS B60	220		DN40	EVOB6040
EVOPLUS B80	220		DN40	EVOB8040
EVOPLUS B100	220		DN40	EVOB10040
EVOPLUS B120	250		DN40	EVOB12040
EVOPLUS B150	250		DN40	EVOB15040
EVOPLUS B180	250		DN40	EVOB18040
EVOPLUS D40 - Double	220		DN40	EVOD4040
EVOPLUS D60 - Double	220		DN40	EVOD6040
EVOPLUS D80 - Double	220		DN40	EVOD8040
EVOPLUS D100 - Double	220		DN40	EVOD10040
EVOPLUS D120 - Double	250		DN40	EVOD12040
EVOPLUS D150 - Double	250		DN40	EVOD15040
EVOPLUS D180 - Double	250		DN40	EVOD18040
EVOPLUS B40	240		DN50	EVOB4050
EVOPLUS B60	240		DN50	EVOB6050
EVOPLUS B80	240		DN50	EVOB8050
EVOPLUS B100	280		DN50	EVOB10050
EVOPLUS B120	280		DN50	EVOB12050
EVOPLUS B150	280		DN50	EVOB15050
EVOPLUS B180	280		DN50	EVOB18050

	Length (mm)	Flanged	code
EVOPLUS D40 - Double	240	DN50	EVOD4050
EVOPLUS D60 - Double	240	DN50	EVOD6050
EVOPLUS D80 - Double	240	DN50	EVOD8050
EVOPLUS D100 - Double	280	DN50	EVOD10050
EVOPLUS D120 - Double	280	DN50	EVOD12050
EVOPLUS D150 - Double	280	DN50	EVOD15050
EVOPLUS D180 - Double	280	DN50	EVOD18050
EVOPLUS B40	340	DN65	EVOB4065
EVOPLUS B60	340	DN65	EVOB6065
EVOPLUS B80	340	DN65	EVOB8065
EVOPLUS B100	340	DN65	EVOB10065
EVOPLUS B120	340	DN65	EVOB12065
EVOPLUS B150	340	DN65	EVOB15065
EVOPLUS D40 - Double	340	DN65	EVOD4065
EVOPLUS D60 - Double	340	DN65	EVOD6065
EVOPLUS D80 - Double	340	DN65	EVOD8065
EVOPLUS D100 - Double	340	DN65	EVOD10065
EVOPLUS D120 - Double	340	DN65	EVOD12065
EVOPLUS D150 - Double	340	DN65	EVOD15065
EVOPLUS B40	340	DN80	EVOB4080
EVOPLUS B60	340	DN80	EVOB6080
EVOPLUS B80	340	DN80	EVOB8080
EVOPLUS B100	340	DN80	EVOB10080
EVOPLUS B120	340	DN80	EVOB12080
EVOPLUS D40 - Double	340	DN80	EVOD4080
EVOPLUS D60 - Double	340	DN80	EVOD6080
EVOPLUS D80 - Double	340	DN80	EVOD8080
EVOPLUS D100 - Double	340	DN80	EVOD10080
EVOPLUS D120 - Double	340	DN80	EVOD12080
EVOPLUS B40	450	DN100	EVOB40100
EVOPLUS B60	450	DN100	EVOB60100
EVOPLUS B80	450	DN100	EVOB80100
EVOPLUS B100	450	DN100	EVOB100100
EVOPLUS B120	450	DN100	EVOB120100
EVOPLUS D40 - Double	450	DN100	EVOD40100
EVOPLUS D60 - Double	450	DN100	EVOD60100
EVOPLUS D80 - Double	450	DN100	EVOD80100
EVOPLUS D100 - Double	450	DN100	EVOD100100
EVOPLUS D120 - Double	450	DN100	EVOD120100

Mixing valves

Max. temperature +110°C - Max. pressure 6 bar - Rotation 90° - Stainless steel stem - Tightness with 2 o-rings - Can be equipped with any electric actuator - Brass: recommended for heating floor & installations with plastic & multilayer pipes - Not concerned by 97/23/CE.

■ Threaded

Cast iron



3 ways					
Ø	3/4"	1"	1"1/4	1"1/2	2"
kvs	13	17	24	31	41
code	V3V20	V3V26	V3V33	V3V40	V3V50

4 ways				
3/4"	1"	1"1/4	1"1/2	2"
13	17	24	31	41
V4V20	V4V26	V4V33	V4V40	V4V50

Brass female



3 ways						
Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
kvs	2,5	6,3	8	15	24	40
code	VC3V15	VC3V20	VC3V26	VC3V33	VC3V40	VC3V50

4 ways					
1/2"	3/4"	1"	1"1/4	1"1/2	2"
2,5	6,3	8	15	24	40
VC4V15	VC4V20	VC4V26	VC4V33	VC4V40	VC4V50

Brass male



3 ways			4 ways			
Ø	3/4"	1"	1"1/4	3/4"	1"	1"1/4
kvs	2,5	6,3	8	2,5	6,3	8
code	VC3V20M	VC3V26M	VC3V33M	VC4V20M	VC4V26M	VC4V33M

■ Flanged PN6

Cast iron

NEW



3 ways						
Ø	50	65	80	100	125	150
kvs	65	100	185	310	510	820
code	VB3V050	VB3V065	VB3V080	VB3V100	VB3V125	VB3V150

4 ways					
50	65	80	100	125	150
65	100	185	310	510	820
VB4V050	VB4V065	VB4V080	VB4V100	VB4V125	VB4V150

Set of flanges PN6 with gaskets and bolts

Ø	50	65	80	100	125	150
code	ZCBP050	ZCBP065	ZCBP080	ZCBP100	ZCBP125	ZCBP150

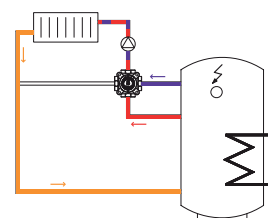
■ For solar, solid fuel boilers & heat pumps

Gives priority to the cheapest energy before switching gradually to the most expensive one - May be equipped with SME actuators and Automix regulation - To be installed with a mixing water tank.

Brass female



4 ways					
Ø	3/4"	3/4"	1"	1"1/4*	
kvs	4	6,3	6,3	10	10
code	VMB2004	VMB2006	VMB2606	VMB2610	VMB3310M



* male

■ Electric actuators for threaded mixing valves

3 positions - Direct mounting on Thermador mixing valves.



5 Nm - Complete opening 140 s - 1,5 m wire

SME 130 (230V)

code
SME130

SME 212 (24V)

with connection for Automix 30 regulator
(to be used with Automix 30 only)

code
SME212

SME 20S (230V)

with auxiliary contact

code
SME20S

10 Nm - Complete opening 670 s - 1,5 m wire

SME 23 (230V)

for thermostat regulation

code
SME23

SME 140 (24V)

Signal 0-10V

code
SME140V

15 Nm - Complete opening 280 s - 230V

SME 96L (230V~50Hz)

code
SME96L



Mounting sets for: Esbe/Danfoss
Centra (DR & ZR)
Oventrop/Meibes/Wita
VCI/VBG31/VBF21

code
MSNRE6
MSNRC
MSNRO
MSNRL



NEW ■ Electric actuator for flanged mixing valves



Opening closing 120s - 230V~50Hz -
Max. torque 20Nm - IP44.

code
SMEB

■ Regulation devices

Based on outdoor temperature - To be used with threaded mixing valves only.

Includes: regulator, water probe, external probe (20 m), power supply, actuator, connectors & mounting pad.



Automix 30 Q

with timer

code
RA30Q



Automix 30 E

without timer

code
RA30E

■ Diverting valves



3 ways valve - 3 threads 230V actuator, with 120° rotating cycles -

Positioning indicator on the actuator - Male 1" - Max. pressure 10 bar - Operating time 8 s. - IP40 -
Max. 50% glycol - Temperature +5°C to +90°C - Supplied with quick connector and 1 m wire.

Ø	Kv	Δ ps (bar)	code
1"	7,5	1	VDB3V26M

3 ways valve, normally closed, spring return - 2 threads 230V actuator - Opening time 18 s -
Closing time 5 s. - IP20 - Max. 50% glycol - Temperature +2°C to +93°C.

Ø	Kv	Δ ps (bar)	code
1"	6,9	1,3	VDL3V26

Thermic valves for solid fuel boilers

Thermovar



Ø	Kvs	Opening temperature setting	code
1"	9	45°C	T2645
1"1/4	12	45°C	T3345
1"	9	61°C	T2661
1"1/4	12	61°C	T3361
1"	9	72°C	T2672
1"1/4	12	72°C	T3372

Thermobac

To added to Thermovar in some installations.



Ø	code
1"	CTB26
1"1/4	CTB33

Thermovar set

For max. 80 Kw boilers - Max. temperature +110°C - Supplied with insulation.



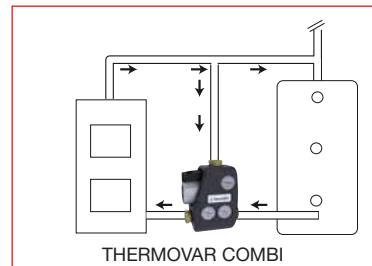
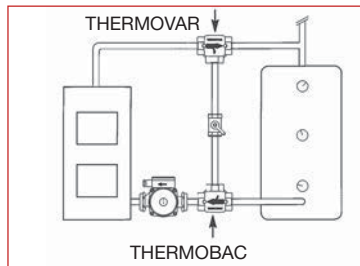
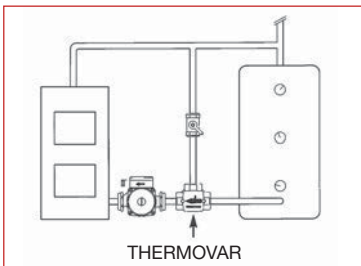
Ø	Opening temperature setting	code
1"1/4	61°C	TC61
1"1/4	72°C	TC72

Pump actuator



code
ZMCTC

The water is heated as long as the temperature setting is not reached - The boiler is protected against cold water effects - When the requested temperature is reached, the water flows to the storage tank.



Boiler accessories

Draught regulator for solid fuel boilers



NEW

Calorstat R/85

Temperature range: +30°C/+90°C -
Double sight according to horizontal & vertical position - 3/4" connection -
Lever 140 mm - Chain 1,2 m -
Lifting torque 10Nm.

code
R85

Draught stabilizers

Moderator (Georgin) in steel



- B 1 (Ø 97 to 140)
- B 2 (Ø 140 to 200)
- B 3 (Ø 200 to 280)
- M 4 (Ø 280 to 344)
- M 5 (Ø 400 to 448)

code
SB1
SB2
SB3
SM4
SM5

Regulator in cast aluminium



- R 1 (Ø 111 to 139)
- R 2 (Ø 139 to 180)
- R 3 (Ø 180 to 220)

code
SR1
SR2
SR3

NEW



Complete boiler set

Complete boiler set

Includes:

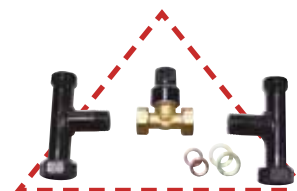
- pipes with wall support, male threaded 1"
- 4 ways mixing valve, free nuts 3x1", 1x1"1/2"
- expansion tank 18l, union fitting
- circulator EVOTRON 40/180, 3 speeds
- antithermo-siphon check valve
- safety valve with manometer - 3 bar
- 2 ball valves, male threaded 1"
- fill-in ball valve, male threaded 1/2"
- 2 flexible hoses, 1 m long, stainless steel braided, free nut female threaded 1" & angle type female threaded 1"
- gaskets 13x1", 2x1"1/2"

code
KDC30

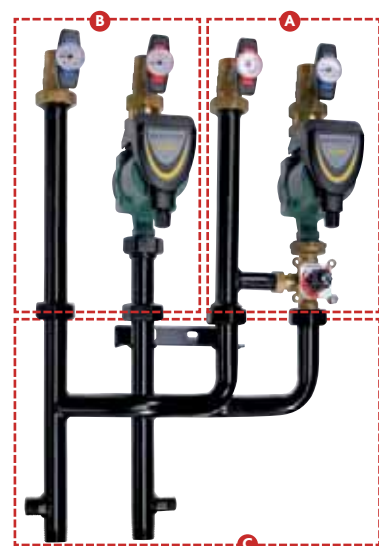


Differential safety valve & pipes

code
SDKDC30



NEW



Modular boiler sets

Supplied with: insulation, ball valves with thermometers, antithermo-siphon check valve, wall bracket & 1" M connections.

A - With 3 ways mixing valve

With circulator EVOTRON 40/180
Without circulator

code
KDC25VMC
KDC25VM

B - Without mixing valve

With circulator EVOTRON 40/180
Without circulator

code
KDC25MC
KDC25M

C - Distribution pipes

For 2 modular boiler sets
For 3 modular boiler sets

code
COL2K
COL3K



Valves with thermometer

* With antithermo-siphon check valve

	Inlet	Outlet	code
* Red handle	1"1/2 free nut	1" M	VTR40
Blue handle	1" M	1"1/2 free nut	VTB40M
Blue handle	1" M	1" M	VTB26

Antithermo-siphon check valves

Free nut check valve

Direct mounting on union connected circulator -
Declutchable for drainage.



Ø union connected circulator	code
1"1/2 - 1" M	CATET

Thermostop check valve

Direct mounting on union connected circulator -
Declutchable for drainage - Max. temperature +130°C - Max. pressure 10 bar -
Opening pressure 0,02 bar.



Ø union connected circulator	code
1"1/2	CT26
2"	CT33

Thermostats & aquastats



■ Programmable thermostats



Temperature range 5° to 30°C -
3 modes: comfort, eco, anti-frost -
4 weekly pre-set & adjustable programs -
Circulator degumming - Supplied with 3 batteries -
Protection IP20 - Changeover contact.

Standard

Weekly - Class II -
Contact rating 5(2) A 250V.

code
TA578H



Radio transmission

Weekly - Class III - Transmission frequency 868 MHz -
Coverage 100 m outdoor, 30 m indoor -
Receiver: changeover contact 1 RT 10 A 230V.

code
TA578HR

■ Standard thermostats



Temperature setting 5°C to 30°C - Anti-frost +5°C - Protection IP20 - Changeover contact 16 (2,5) A 250V - Differential < 1°K.

Basic
With season change switch

code
TA2
TA2EH

■ Thermostats in tight container



Protection IP54 -
Changeover contact 16 (2,5) A 250V -
 Δt 2° ± 1°K.

Temperature setting 0°C to 40°C
Temperature setting -5°C to +35°C

code
TAE1
TAE2



Protection IP44 -
Changeover contact 10 (2,5) A 250V -
Sensor Ø 9,5 x 80 mm.

Temperature setting 0°C to 55°C
 Δt 3° ± 1°K

code
TAC31



Protection IP54 - Changeover contact 16 (2,5) A 250V - Sensor Ø 5 x 95 mm - Capillary 2 m - Δt 3° ± 1°K.

Temperature setting 0°C to 60°C
Probe Ø 6 x 119 mm

code
TAC32

Temperature setting -35°C to +35°C
Probe Ø 6 x 140 mm

code
TAC33

■ Aquastats with spring



Manual reset - Protection IP40 -
Pre-set 60°C - Temperature setting 40°C to 70°C -
Changeover contact 10 (2,5) A 250V.



Aquanorm

code
AARM



Temperature setting 20°C to 90°C - Δt 8° ± 3°K -
Protection IP20.

Standard external setting

Changeover contact 15 (2,5) A 250V.

code
AAR



Setting under protection housing

Dry contact 15 (2,5) A 250V.

code
AARC

■ Aquastats with plunger



Temperature setting 0 ± 5/90 ± 3°C -
1/2" fitting - Protection IP40 -
Changeover contact 10 (2,5) A 250V.



Δt 6° ± 2°K
Sensor 100 mm
Sensor 200 mm

code
ATC2
ATC21



Aquastat & safety limiter

1/2" fitting - Protection IP40 - Sensor 100 mm -
Aquastat: temperature setting 0/90°C - Δt 4° ± 1°K -
Changeover 10 (2,5) A 250V -
Safety limiter: temperature setting 90/110°C -
Pre-set 110°C -
Tolerance 0/-6°C -
Contact 10 (2,5) A 250V.

code
ATLSC

■ Thermowells

Copper tube with M 1/2" NPT brass fitting.

Brass 1/2" with blocking screw.



Length (mm)	Ø int./Ø ext.	code
47	7 x 8	ZDG555001
47	10 x 11	ZDG555006
97	7 x 8	ZDG555002
97	10 x 11	ZDG555007
97	14,7 x 16	ZDG555034
117	10 x 11	ZDG555008
117	14,7 x 16	ZDG555035
147	10 x 11	ZDG555009
187	10 x 11	ZDG555010
197	7 x 8	ZDG555027
277	10 x 1	ZDG555011



Length (mm)	Ø int./Ø ext.	code
45	9 x 11	ZDG15045
100	9 x 11	ZDG15100

Manometers



■ Dry - ABS plastic box

Ø 50 - Axial



Pressure (bar)	Ø connection	code
0 - 4	1/4"	MA04
0 - 6	1/4"	413006TH
0 - 10	1/4"	MA10

Ø 50 - Radial



Pressure (bar)	Ø connection	code
0 - 4	1/4"	MR04
0 - 6	1/4"	413106
0 - 10	1/4"	MR10

Ø 80 - Radial



Pressure (bar)	Ø connection	code
0 - 4	1/2"	M80R04
0 - 10	1/2"	M80R10

Ø 63 - Axial



Pressure (bar)	Ø connection	code
0 - 6	1/4"	M63A06
0 - 10	1/4"	M63A10

Ø 63 - Radial



Pressure (bar)	Ø connection	code
0 - 6	1/4"	M63R06
0 - 10	1/4"	M63R10

Ø 100 - Radial



Pressure (bar)	Ø connection	code
0 - 6	1/2"	M100R06
0 - 10	1/2"	M100R10

■ Glycerin filled - Stainless steel box

Brass connection - Max. temperature 60°C - Class 1,6 - Polycarbonate glass.

Ø 50 - Axial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413203
0 - 6	1/4"	413206
0 - 10	1/4"	MA10G
0 - 16	1/4"	413216

Ø 50 - Radial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413303
0 - 6	1/4"	413306
0 - 10	1/4"	MR10G
0 - 16	1/4"	413316

Ø 63 - Axial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413403
0 - 6	1/4"	413406
0 - 10	1/4"	413410
0 - 16	1/4"	413416
0-25	1/4"	413425

Ø 63 - Radial



Pressure (bar)	Ø connection	code
0 - 2,5	1/4"	413503
0 - 6	1/4"	413506
0 - 10	1/4"	413510
0 - 16	1/4"	413516
0-25	1/4"	413525

■ Hydrometer

Ø 63 - Radial



Pressure (mCe)	Ø connection	code
0 - 10	3/8"	H10
0 - 20	3/8"	H20

■ Thermomanometer

Ø 80

Temperature range: 0°C/+120°C -
With socket for dismantling without draining.



	Pressure (bar)	Ø connection	code
Axial	0 - 4	1/2"	MTA
Radial	0 - 4	1/2"	MTR

■ Manometer valves



Ø	pack	code
1/4"	50	ZRI08
3/8"	50	ZRI12
1/2"	25	ZRI15

PN10



Ø	code
1/4"	1306002
3/8"	1306003
1/2"	1306004

Push-button valve



Ø	code
1/4"	9880302
1/2"	9880304

Coil siphon



Ø	code
M1/4"-F1/4"	9880202
M1/2"-F1/2"	9880204

Thermometers

■ Bi-metal



With spring tie

Temperature range: 0°C/+120°C - Ø 63 -
For pipe up to 1".

pack	code
50	TR



With copper tie

Temperature range: 0°C/+120°C - Ø 63 -
For pipe up to 1"1/2.

pack	code
50	TB

With plunger



Ø dial	Ø connection	Temperature	Plunger length (mm)	pack	code
63	1/2"	0°C/+120°C	45	50	T063A
80	1/2"	0°C/+120°C	45	50	T080A
100	1/2"	0°C/+120°C	45	50	T100A
160	1/2"	0°C/+120°C	45	50	T160A



Ø dial	Ø connection	Temperature	Plunger length (mm)	pack	code
63	1/2"	0°C/+120°C	100	50	T063AL100
100	1/2"	0°C/+120°C	100	50	T100AL100
100	1/2"	0°C/+120°C	200	50	T100AL200
80	1/2"	-30°C/+50°C	100	50	T3050



Ø dial	Ø connection	Temperature	Plunger length (mm)	pack	code
80	1/2"	0°C/+120°C	45	50	T080R

Quick reactivity



Ø dial	Ø connection	Temperature	Plunger length (mm)	code
60	3/8"	0°C/+100°C	45	TRI

■ Gas & smokes



Ø dial	Temperature	Plunger length (mm)	code
80	0°C/+500°C	150	TGAZ

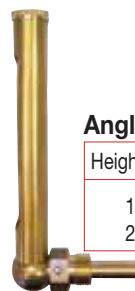
■ Boilers

Temperature range: 0°C/+130°C - Brass case - Ø 1/2".



Straight

Height (mm)	Ø	Plunger length (mm)	code
160	20	45	TV160D
260	25	60	TV260D



Angle

Height (mm)	Ø	Plunger length (mm)	code
160	20	45	TV160E
260	25	60	TV260E

■ Industry

Easy reading - Glass pipe filled with alcohol - Ø 1/2".



Straight

Temperature range: 0°C/+120°C.

Height (mm)	Plunger length (mm)	code
150	63	TI150D
200	63	TI200D
200	100	TI200DL100

Temperature range: -30°C/+50°C.

Height (mm)	Plunger length (mm)	code
150	63	TI150D3050
200	63	TI200D3050
200	100	TI200DL1003050



Angle

Temperature range: 0°C/+120°C.

Height (mm)	Plunger length (mm)	code
150	63	TI150E
200	63	TI200E
200	100	TI200EL100

Temperature range: -30°C/+50°C.

Height (mm)	Plunger length (mm)	code
150	63	TI150E3050
200	63	TI200E3050
200	100	TI200EL1003050

T-METER®

Solar heating equipment



Solar expansion tank - Red

(especially designed for solar heating)
Preset pressure 2,5 bar - Max. working pressure 6 bar - Testing pressure 9,6 bar - Temperature range: -10°C/+110°C - Nitrile membrane - Connexion M 3/4".



Volume (l)	code
18	V718
25	V725
40	V740
60	V760
100	V7100
200	V7200
300	V7300

Vexbal expansion tank - White

(used for solar heating)
Preset pressure 3 bar - Max. working pressure 10 bar - Temperature range: -10°C/+99°C - Butyl membrane - Connexion M 3/4".



Volume (l)	code
12	VEX11
18	VEX18
25	VEX25

NEW



Solar circulators

According to the 2013 & 2015 european directive ErP 2009/125/EC (ex euP).



	Length (mm)	Ø	code
EVOTRON SOL 40	130	1"1/2	EV40130SOL
	180	1"1/2	EV40180SOL
	130	1"	EV4013026SOL
EVOTRON SOL 60	180	1"1/2	EV60180SOL
	130	1"	EV6013026SOL
EVOTRON SOL 80	180	1"1/2	EV80180SOL
	130	1"	EV8013026SOL

Solar air vent

Brass - Max. temperature 180°C.



Ø	code
3/8" M	PRHT12V
1/2" M	PRHT15V

Solar shut-off valve

Brass - Max. temperature 180°C.



Ø	code
3/8"	ZVS12HTV
1/2"	ZVS15HTV

Solar safety valve

Brass - Max. temperature 110°C.



Pre-set (bar)	Ø	code
3	1/2"F-3/4"F	27030V
6	1/2"F-3/4"F	27060V

NEW

Solar ball valve

Stainless steel - Temperature range: -20°C/+200°C.



Ø	code
1/4"	714004
3/4"	714005
1"	714006
1"1/4	714007
1"1/2	714008
2"	714009

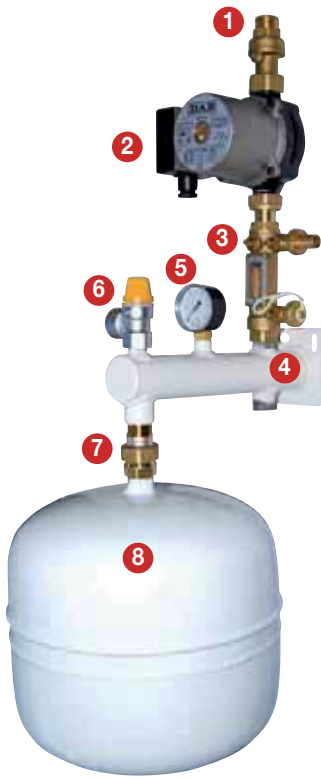


Solar thermostatic mixing valve

Nickel plated body - Male union connections - Temperature range: +30°C/+65°C - Max. temperature 110°C - Max. pressure 7 bar - Ratio between supply pressures 5:1 - Flow rate (at 1 bar): 2,4 Kv (m³/h).



Ø	code
3/4"	MTY78A20



Solar set

Includes:

- 1 antithermo-siphon check valve
- 2 solar circulator VSA 35/130-26
- 3 flowmeter
- 4 wall bracket
- 5 manometer
- 6 solar safety valve 6 bar
- 7 quick fitting
- 8 solar expansion tank 12 l

code	
Complete solar set	KDSOL



Flowmeter

3 valves (fill-in, draining and flow-regulation) - Max. temperature 110°C - Connexion 1".

code	
ZDEBIT	



Antithermo-siphon check valve

Declutchable - Max. temperature 110°C - Connexion free nut 1" and Male 3/4".

code	
ZCLAD	



Wall bracket for tank

(especially designed for solar heating)

code	
ZSMSO	



Quick union fitting for tank

Built-in check valve (pressure control of the tank without draining).

code	
RDV20MF	



Tank support set

(up to 25 l)
Includes: square, 50 cm stainless steel flexible hose, FF 3/4 fitting, high temperature fiber gaskets.

code	
KMVS	



Manometer

Pressure range: 0 to 10 bar - Radial Ø 50 - Connection 1/4".

code	
MR10	



Solar controller

Easy installing and easy use - Supplied with 3 probes (1 sensor probe 1.5 m, 2 sensor probes 2.5 m, 4th optional) - 3 mechanical relay outlets - 4 probe fittings - Class 2 - IP20 - Dimensions 110x155x45 - Screen 84x45 - Rail DIN mounting - 3 access levels: user, professional settings, wiring - 13 combinations: ecological, economical and holidays modes - Built-in clock: boost or programmable mode; anti-bacterian, temperature and anti-frost protections.

code	
Complete controller	RS13

code	
Sensor probe	SRSC
Tank probe	SRSB
Thermowell 1/2"	DGRS15
Thermowell 3/4"	DGRS20

Solar panel connections, see page 192



Mixing valves, see page 217



Self-regulating heating cable



Sold by 150 m - The heat emission intensity varies according to indoor or outdoor temperature (depending on the application) - Every meter marked - 230V.

Anti-frost protection

Self-regulating temperature: 55°C.

Material	Output power at 10°C	code
Metal braid	12 W/m	5BMS
Metal braid & polyolefine sheath	12 W/m	5BMX
Metal braid & polyolefine sheath	20 W/m	10BMX

Temperature control

Self-regulating temperature: 65°C.

Material	Output power at 10°C	code
Metal braid	31 W/m	20BMS
Metal braid & polyolefine sheath	31 W/m	20BMX

Roof snow removal & ramp protection

Electric protection: IPX7 -
Self-regulating temperature: 65°C.

Material	Output power at 10°C	code
Metal braid & fluorised polymere sheath	31 W/m	20BMF



Universal connection

Power supply for 1 or 2 cables - Connection 2 to 4 cables -
Electric protection: IP65.

code
U



Terminations (sold by 5)

code
MANTER



Thermostat with contact probe

3 m probe

Anti-frost protection (for 5BMS & 5BMX):
0°C/40°C (16A)

Temperature control (for 20BMS & 20BMX):
10°C/110°C (10A)

code
TH40
TH110



Thermostat - Humidostat

(includes thermostat, sensor and probe; for 20BMF)

Roof snow removal
Ramp, slab and road protection

code
THT
THS



Pipe clamps (sold by 100)

Up to Ø 60

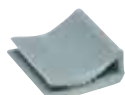
code
COL



Fiber glass self-adhesive tape

50 m x 12 mm

code
FIB



Gutter clips (sold by 100)

code
CLIP



Aluminium self-adhesive tape

50 m x 50 mm

code
ALU



Plumbing

- **Water heater safety**
 - Sanitary expansion tanks _____ page 228
 - Sanitary safety valves _____ page 228

- **Thermostatic mixing valves** _____ page 229

- **Pressure reducing valves** _____ page 230

- **Anti-pollution check valve** _____ page 230

- **Hammer arresters** _____ page 230

- **Water meters** _____ pages 231 to page 232

- **Leakage detectors** _____ page 232

- **Washing machine & toilet supplies** _____ pages 233 to 234

- **Water filtration**
 - Domestic water filtration - Atlas Filtri _____ pages 235 to 238
 - Domestic water filtration & disinfection - Germi Ultra _____ page 238
 - Liquids filtration - Cintropur _____ page 239
 - Domestic water filtration - Metalife _____ page 240
 - Outdoor water filtration _____ page 240

Water heater safety



* Built-in wall support

Sanitary expansion tanks



Vexbal



Food quality & safety butyle membrane - Stainless steel fittings - Max. pressure 10 bar - Max. temperature 99°C.

Volume (l)	** Water heater tank volume (l)	Ø connection	Pre-set (bar)	code
5	75	3/4" M	3	VEX05
8	100	3/4" M	3	VEX08
12	150	3/4" M	3	VEX11
* 12	150	3/4" M	3	VEX11FM
* 18	200	3/4" M	3	VEX18
* 25	300	3/4" M	3	VEX25

** For max. 80°C, safety valve & pressure reducing valve set 3 bar.



Stainless steel Vexbal

Volume (l)	code
8	VEX08I
11	VEX11I



Vexbal high capacity



Food quality & safety butyl removable membrane - Stainless steel connection - Max. pressure 10 bar - Max. temperature 99°C.

Volume (l)	Height (cm)	Ø connection	Pre-set (bar)	code
60	693	1"	2	VEX060
100	760	1"	2	VEX100
200	1080	1"1/2	2	VEX200
300	1180	1"1/2	2	VEX300



Square for expansion tank (up to 25 l)

Threaded 3/4"

code
ZSEQ



Vexbal connection set

For 5 l to 12 l tanks - Includes wall bracket, flexible hose 50 cm & tee.

code
ZKVEX

Electrical insulation fitting

3 pieces fitting - Direct mounting on 3/4" M/F water heater.



Ø	pack	code
3/4" MF	50	ZRICE
3/4" M - 1/2" F	1	ZRICE2015MF



Free flow 2-handled mixer

For water heater max. 50 l - Includes 2 chrome plated pipes.

code
MEL

code
MELSE

Includes 2 flexible hoses

Sanitary safety valves

■ Brass

Ø	Pre-set		code
	pack	(bar)	
1/2"	10	6	23160V
1/2"	10	7	23170V
1/2"	10	8	23180V
1/2"	10	10	23110V
3/4"	10	6	23260V
3/4"	10	7	23270V
3/4"	10	8	23280V
3/4"	10	10	23210V

Pre-set 2,5 to 5 bar, see page 199

■ Bronze



Ø	Pre-set (bar)		code
1/2"	7		S15GS07
1/2"	10		S15GS10
3/4"	7		S20GS07
3/4"	10		S20GS10
1"	7		S26GS07
1"	10		S26GS10
1"1/4	7		S33GS07
1"1/2	7		S40GS07
2"	7		S50GS07

■ With built-in check valve

Nickel plated brass - Pre-set pressure 7 bar.

Standard

Ø	pack	Pre-set (bar)	code
1/2"	20	7	GTH15
3/4"	20	7	GTH20

With lever

Ø	pack	Pre-set (bar)	code
1/2"	20	7	GTH15L
3/4"	20	7	GTH20L

Thermostatic mixing valves



■ Compact



Nickel plated brass & dezincification resistant alloy body - Male union connections - Built-in anti-burning safety device.

Standard

Max. pressure 5 bar - Max. temperature 85°C - Temperature range 30-50°C - Pre-set temperature 45°C - Flow rate (at 1 bar): 2,2 Kv (m³/h).

Ø	code
3/4"	MTY49A20

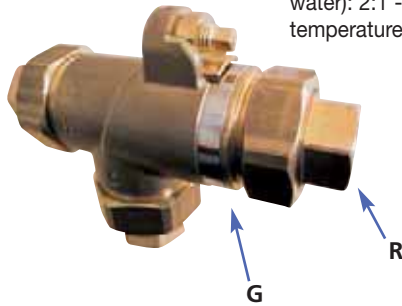
Solar

Ratio between supply pressures 5:1 - Max. pressure 7 bar - Max. temperature 110°C - Temperature range 30-65°C - Pre-set temperature 45°C - Flow rate (at 1 bar): 2,4 Kv (m³/h).

Ø	code
3/4"	MTY78A20

■ Heavy duty - Brass

CW602N brass body - Stainless steel spring - EPDM gaskets - Setting 65°C - Max. static pressure 10 bar - Max. dynamic pressure 5 bar - Max. rate between upstream pressures (hot water / cold water or cold water / hot water): 2:1 - Min. temperature difference cold water / hot water: 10°C - Tolerance +/- 2°C - Max. upstream temperature 90°C - Supplied without fittings.



Kv (m³/h)	Ø fitting (R)	Threaded body (G)	code
1,40	1/2"	1"1/8	MTL15
2,50	3/4"	1"1/4	MTL20
4,00	1"	1"1/2	MTL26
7,70	1"1/4	2"	MTL33
11,50	1"1/2	2"1/4	MTL40
15,00	2"	2"3/4	MTL50

Set of 3 union fittings with built-in check valve & strainer

Female

Ø R	code
1/2"	RMTL15F
3/4"	RMTL20F
1"	RMTL26F
1"1/4	RMTL33F
1"1/2	RMTL40F
2"	RMTL50F

Male

Ø R	code
1/2"	RMTL15M
3/4"	RMTL20M
1"	RMTL26M
1"1/4	RMTL33M
1"1/2	RMTL40M
2"	RMTL50M

■ Heavy duty - Bronze

Union connections - Supplied without fittings.



Flow (m³/h, Δp 1)	Temperature range	Ø fitting (R)	Threaded body (G)	code
1,440	20 - 30°C	1/2"	1"1/8	JRG341525
	30 - 45°C			JRG341540
	36 - 53°C			JRG341548
	45 - 65°C			JRG341555
2,500	20 - 30°C	3/4"	1"1/4	JRG342025
	30 - 45°C			JRG342040
	36 - 53°C			JRG342048
	45 - 65°C			JRG342055
4,000	20 - 30°C	1"	1"1/2	JRG342625
	30 - 45°C			JRG342640
	36 - 53°C			JRG342648
	45 - 65°C			JRG342655

Flow (m³/h, Δp 1)	Temperature range	Ø fitting (R)	Threaded body (G)	code
8,000	20 - 30°C	1"1/4	2"	JRG343325
	30 - 45°C			JRG343340
	36 - 53°C			JRG343348
	45 - 65°C			JRG343355
12,200	20 - 30°C	1"1/2	2"1/4	JRG344025
	30 - 45°C			JRG344040
	36 - 53°C			JRG344048
	45 - 65°C			JRG344055
16,200	20 - 30°C	2"	2"3/4	JRG345025
	30 - 45°C			JRG345040
	36 - 53°C			JRG345048
	45 - 65°C			JRG345055

Set of 3 fittings with gaskets

Bronze - Threaded

Ø R	code
1/2"	ZRBJRG15
3/4"	ZRBJRG20
1"	ZRBJRG26
1"1/4	ZRBJRG33
1"1/2	ZRBJRG40
2"	ZRBJRG50

Brass - Welding

Ø	code
18	ZRSJRG15
22	ZRSJRG20
28	ZRSJRG26
35	ZRSJRG33
45	ZRSJRG40
54	ZRSJRG50

DN65 & DN80 : on request



Pressure reducing valves



Standard

Nickel plated CW617N brass - With manometer outlet - Max. upstream pressure 16 bar - Pre-set pressure 3 bar.

Ø	code
1/2"	RPTH15
3/4"	RPTH20

Heavy duty - Brass

With manometer outlets - Max. upstream pressure 25 bar - Downstream adjustable pressure 1 to 6 bar - Pre-set pressure 3 bar.



Female - Female

Ø	Face to face (mm)	code
1/2"	76	RPTH15H
3/4"	76	RPTH20H
1"	91	RPTH26H
1"1/4	113	RPTH33H
* 1"1/2	170	RPTH40H
* 2"	195	RPTH50H

* Supplied with union fittings.



Male union fittings

Ø	Face to face with fittings (mm)	code
* 1/2"	138	RPTH15HM
* 3/4"	138	RPTH20HM
* 1"	136	RPTH26HM

* Supplied with union fittings.

Heavy duty - Bronze

Stainless steel seat - Built-in filter - With manometer outlets - Downstream adjustable pressure 1 to 7 bar - Supplied without manometer.



Male union fittings

Max. upstream pressure 25 bar.

Ø	Face to face with fittings (mm)	code
1/2"	135	R68115
3/4"	160	R68120
1"	178	R68126
1"1/4	226	R68133
1"1/2	226	R68140
2"	260	R68150



Flanged PN16

Max. upstream pressure 16 bar.

DN	Face to face (mm)	code
50	230	246827
65	290	246828
80	310	246829

Anti-pollution check valve



NEW

Ductile iron body & hat - Epoxy coated - Bronze inner part - EPDM gasket - Includes 2 valves 1/2" - Flanged PN10/16 - Excluded from 97/23/EC directive (article 1, § 3.2) - Max. pressure 16 bar - Temperature range: +10°C/+60°C.



DN	Face to face (mm)	code
40/50	230	346050
60/65	290	346065
80	310	346080
100	350	346100
150	480	346150

Hammer arresters



With membrane

Max. pressure 10 bar - Test pressure 15 bar - Pre-set 3 bar - Max. temperature 90°C - Butyle membrane - Stainless steel 304 body.



Volume (cm³)	Ø	code
160	1/2" M	Z160
500	1/2" M	Z050
2000	1/2" M	Z200

With spring



Brass body



Ø	female code	male code
1/2"	ABR15	ABR15M
3/4"	ABR20	ABR20M
1"	ABR26	ABR26M
1"1/4	ABR33	ABR33M
1"1/2	ABR40	ABR40M
2"	ABR50	ABR50M

Water meters

Use: water distribution - Excluded from 97/23/EC directive (article 1, § 3.2) - EU approved.



B METERS



■ Single jet

Magnetic movement - 360° adjustable counter - Horizontal position: B class - Vertical position: MID R50 (A class) - Max. pressure 16 bar - MID 2004/22/CE.

Cold water (temperature range: 0°C/+30°C)

Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
3/4"	15	110	2,5	3,1	1701015
1"	20	130	4	5	1701020



Hot water (temperature range: 0°C/+90°C)

Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
3/4"	15	110	2,5	3,1	1702015
1"	20	130	4	5	1702020



■ Multi jet

Cold water - MID R160 (temperature range: 0°C/+30°C) -

Wet dial - Horizontal position: MID R160 (C class) - Vertical position: MID R40 (B class) - Max. pressure 16 bar - MID 2004/22/EC - N° MI 1383.

Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
3/4"	15	170	2,5	1	1706015
1"	20	190	4	5	1706020
1"1/4	25	260	6,3	7,8	1706025
1"1/2	30	260	10	12,5	1706030
2"	40	300	16	20	1706040
2"1/2	50	300	25	31,2	1706050

Cold water (temperature range: 0°C/+30°C)

Wet dial - Horizontal position: B class - Vertical position: A class - Max. pressure 16 bar - EU 75/33 ISO 4064.

Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
3/4"	15	165	1,5	3	1705015
1"	20	190	2,5	5	1705020
1"1/4	25	260	3,5	7	1705025
1"1/2	30	260	5	10	1705030
2"	40	300	10	20	1705040
2"1/2	50	300	15	30	1705050



■ Irrigation

Tangential helicoid - Dry dial - Magnetic transmission pre-equipped with pulse transmitter - Flanged PN10/16 - Max. pressure 16 bar - Temperature range: 0°C/+50°C - EU 75/33 ISO 4064 - Horizontal mounting: A class.

DN	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
50	200	35	70	1720050
65	200	50	100	1720065
80	225	75	150	1720080
100	250	125	250	1720100
125	250	175	350	1720125
150	300	250	500	1720150
200	350	450	900	1720200



■ High flow - Woltman type

Axial helicoid - Dry dial - Flanged PN10/16 - Vertical position: A class - Horizontal position: B class - Max. pressure 16 bar - Temperature range: 0°C/+30°C - EU 75/33 ISO 4064 - Hot water on request.

DN	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
50	200	15	30	1708050
65	200	25	50	1708065
80	225	40	80	1708080
100	250	60	120	1708100
125	300	100	200	1708125
150	300	150	300	1708150
200	350	250	500	1708200



■ Fitting

Free nut with sealing hole

Ø F	1/2"	3/4"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"
Ø M	3/8"	1/2"	3/4"	3/4"	1"	1"1/4"	1"1/2"	2"
bore	-	15	15	20	25	30	40	50
pack	10	10	10	10	1	1	1	1
code	9811093	9811054	9811094	9811065	9811076	9811087	9811098	9811099



NEW

Single jet - Pulse transmitter*

Magnetic movement - 360° adjustable counter - Horizontal position: B class - Vertical position: MID R50 (A class) - Max. pressure 16 bar - MID 2004/22/CE.



Cold water (temperature range: 0°C/+30°C)

Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code 1x1l	code 1x10l	code 1x100l	code 1x1000l
3/4"	15	110	1,5	3	1710015	1710016	1710017	1710018
1"	20	130	2,5	5	1710020	1710021	1710022	1710023



Hot water (temperature range: 0°C/+90°C)

Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
3/4"	15	110	1,5	3	1721015
1"	20	130	2,5	5	1721020

Multi jet - Pulse transmitter*

Cold water - MID R160 (temperature range: 0°C/+30°C) - MID R160

Wet dial - Horizontal position: MID R160 (C class) - Vertical position: MID R40 (A class) - Max. pressure 16 bar - MID 2004/22/EC - N° MI 1383.



Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code 1x1l	code 1x10l	code 1x100l	code 1x1000l
3/4"	15	165	2,5	3,1	1715015	1715016	1715017	1715018

Cold water (temperature range: 0°C/+30°C)

Wet dial - Horizontal position: B class - Vertical position: A class - Max. pressure 16 bar - EU 75/33 ISO 4064.



Ø	Bore	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code 1x1l	code 1x10l	code 1x100l	code 1x1000l
3/4"	15	165	1,5	3	1712017	1712015	1712016	1712018
1"	20	190	2,5	5	1712022	1712020	1712021	1712023
1"1/4	25	260	3,5	7	1712027	1712025	1712026	1712028
1"1/2	30	260	6	12	1712032	1712030	1712031	1712033
2"	40	300	10	20	1712042	1712040	1712041	1712043
2"1/2	50	300	15	30	1712052	1712050	1712051	1712053

Irrigation - Pulse transmitter*

Tangential helicoid - Dry dial - Magnetic transmission - Flanged PN10/16 -

Max. pressure 16 bar - Temperature range: 0°C/+50°C - EU 75/33 ISO 4064 - Horizontal mounting: A class.



DN	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code
50	200	35	70	1724050
65	200	50	100	1724065
80	225	75	150	1724080
100	250	125	250	1724100
125	250	175	350	1724125
150	300	250	500	1724150
200	350	450	900	1724200

High flow - Woltman type - Pulse transmitter*

Axial helicoid - Dry dial - Flanged PN10/16 - Vertical position: A class - Horizontal position: B class -

Max. pressure 16 bar - Temperature range: 0°C/+30°C - EU 75/33 ISO 4064 - Hot water on request.



DN	Length (mm)	Nominal flow (m³/h)	Max. flow (m³/h)	code 1x100l	code 1x1000l
50	200	15	30	1718050	-
65	200	25	50	1718065	-
80	225	40	80	1718080	-
100	250	60	120	1718100	-
125	300	100	200	-	1718125
150	300	150	300	-	1718150
200	350	250	500	-	1718200

* Please advise the required number of pulses at the order.

Leakage detectors



Audio signal - 230V -
Detected leakage min. flow: 30 l/h.

Standard

Ø	code
3/4"	471420



Actuated

With solenoid valve - Shut-off after 2 mn.

Ø	code
3/4"	471421

Washing machine & toilet supplies

■ Taps for washing machines & toilet flush tanks

Excluded from 97/23/EC (article 1, § 3.2)

Screw driving ball valve

Male/male with flat bearings



Ø	pack	code
3/8"	10	688033
3/8"-1/2"	10	688043
1/2"	10	688044

Washing machine ball valve



Ø	pack	code
1/2" - 3/4"	10/200	685045

Washing machine ball valve



Ø	pack	code
1/2" - 3/4"	10/200	684045

Toilet flush tank valve - Angle



Ø	pack	code
3/8" - 3/8"	10/200	689003

Toilet flush tank valve - Straight



Ø	pack	code
3/8" - 3/8"	10/200	679003

Flush tank tap - Plain brass



Ø	pack	code
3/8"	10	1340003

Flush tank tap - Chrome plated



Ø	pack	code
3/8"	10	1341003

■ Washing machine bellows

Alimentation set

Max. pressure 20 bar -

Temperature range: 0°C/+25°C - Ø 10 mm.



	Length (mm)	code
Elbow outlet FF 3/4"	1500	1371001
	2000	1371002
	2500	1371003

	Length (mm)	code
Straight outlet FM 3/4"	2000	1371004

	Length (mm)	code
Straight outlet FF 3/4"	1500	1373001
	2000	1373002
	2500	1373003

Washing machine valve - Standard



Ø	pack	code
1/2" - 3/4"	10/50	1325004

Washing machine valve - Self-drilling



Ø	pack	code
10 to 14 - 3/4"	10	1330005

Washing machine valve - Vertical double tap



Ø	pack	code
1/2" - 3/4"	10	1328004

Washing machine valve - Y double tap with locknut



Ø	pack	code
1/2" - 3/4"	10	1334004

Wall tap connection - 1/2" chrome plated with nut



Ø	pack	code
12	10	1311412
14	10	1311414

Wall tap connection - 1/2" chrome plated without nut



Ø	pack	code
14	10	1312004

Wall tap connection - 1/2" plain with nut



Ø	pack	code
12	10	1314412
14	10	1314414

Wall tap connection - 1/2" plain without nut



Ø	pack	code
14	10	1313004

Drainage set

Temperature range: 0°C/+60°C.



	Length (mm)	code
Ø 19x24 mm - Removable crock & rubber end	1500	1372001
	2000	1372002
	2500	1372003

	Length (mm)	code
Ø 19x28 mm - Extensible - Elbow outlet	600-2000	1374001

	Length (mm)	code
Ø 19x28 mm - Extensible - Straight outlet	600-2000	1375001

■ Washing machine siphons

PVC pipe - ABS body & elbow - Polypropylene cap - NBR gasket -
Max. temperature 90°C - Class M1 - Pipe Ø 40 mm.

Horizontal male

pack	code
25	1370001

Funnel

pack	code
100	1370003

Vertical male

pack	code
30	1370002

■ Toilet pipes & bellows

Extensible

PVC bellow with weaved spiral (carbon steel thread) -
Inlet: soft PVC universal fitting adaptable for Ø 80 to 105 mm -
Outlet: PVC male end for Ø 93 to 100 mm; with glue -
Extension 300/540 mm.

pack	code
15	PIPEXT

Extensible with rim fitting

PVC bellow with weaved spiral (carbon steel thread) -
Inlet: soft PVC universal fitting adaptable for Ø 80 to 105 mm -
Outlet: rim fitting for Ø 93 to 100 mm; without glue -
Extension 300/540 mm.

pack	code
15	PIPEXTJ

Soft

PVC bellow with reinforced fitting: naked internal face -
Inlet: soft PVC universal fitting adaptable for Ø 80 to 105 mm -
Outlet: PVC male end for Ø 93 to 100 mm -
Temperature: -10°C to 60°C.

Length (mm)	pack	code
400	15	PIP400
540	15	PIP540

Elbow

ABS - Outlet Ø 100 -
Toilet outlet Ø 85 to 107 mm.

Length (mm)	Ø	pack	code
120	F	12	PIPF120
120	M	12	PIPM120
350	M	12	PIPM350

Length (mm)	Ø	pack	code
120	F	12	PIFP120
120	M	12	PIPM120
350	M	12	PIPM350

Straight

ABS - Outlet Ø 100 -
Toilet outlet Ø 85 to 107 mm.

Length (mm)	Ø	pack	code
160	M	12	PIPMD160

Length (mm)	Ø	pack	code
160	F	12	PIPFD160

Coil

PVC bellow - Interior Ø 25 & 32 mm -
Max. temperature 60°C.

Ø	Coil length (m)	code
32 x 32	20	GTL32020
32 x 40	20	GTL40020

Free nut end fitting

Ø	pack	code
32 x 1"1/4	10	ET114
40 x 1"1/2	10	ET112
40 x 1"1/4	10	ET40114

Female end fitting

Ø	pack	code
32 x 32	10	E32FL
40 x 40	10	E40FL
40 x 32	10	E4032FL

Male end fitting

Ø	pack	code
32 x 32	10	E32ML
40 x 40	10	E40ML
40 x 32	10	E4032ML

■ PVC bellows for siphon

Weaved spiral (conical end) bellow

Direct mounting on standard siphons -
Extension 300/600 mm.

Ø	code
M 32 - M 32	RECM32
M 40 - M 40	RECM40

Weaved spiral (flat end) bellow

Extension 300/600 mm.

Ø	code
Free nut F 1"1/4 - M 32	REC32
Free nut F 1"1/2 - M 40	REC40

Siphon mounted bellow

Ø	free nut	Length mm	code
25 x 32	1"1/4	750	GTL32 0750
32 x 40	1"1/2	750	GTL40 0750

■ Extensible LATOREX bellows

Extensible bellow

Extension 300/600 mm -
Perfect tightness.

Ø	pack	code
40	50	LAT40

Union fitting

Ø	pack	code
1"1/4	10	LATE114
1"1/2	10	LATE112

Male fitting

Ø	pack	code
32	10	LAT32ML
40	10	LAT40ML

Domestic water filtration



■ Solo & Duo BX sets



Solo A - I

Anti-impurity. 3 pieces - 3/4" -
Includes: 1 filter Senior Single 3P - AFP - BX - AS,
1 cartridge RL 10 BX 50 µ, 1 wall support with screws, 1
key, 2 nipples MM 3/4", 1 spare gasket - Food quality &
safety - Max. pressure 4 bar - Optimal flow 1600 l/h -
Working temperature 20°C.

code
491141



Solo A - C

Anti-calcareous -3 pieces -
3/4" - Includes: 1 filter 3 pieces
3/4" with proportional system, 1 polyphosphates cartridge
HA 10 BX, 1 wall support with screws, 1 key, 2 nipples MM
3/4", 1 spare gasket - Food quality & safety -
Max. pressure 4 bar - Optimal flow 1400 l/h - Mounting on
cold water inlet only.

code
491646



Duo

3 pieces - 3/4". Includes:
1 filter Duplex 3/4" with proportional system, 1 cartridge RL
10 BX 50 µ, 1 polyphosphates cartridge HA 10 BX, 1 wall
support with screws, 1 key, 2 nipples MM 3/4", 2 spare
gaskets - Food quality & safety - Max. pressure 4 bar -
Optimal flow 1400 l/h - Mounting on cold water inlet only.

code
491151

■ Filters for BX cartridges

Food quality & safety - Max. temperature 45°C at 2 bar -
Working pressure 4 bar at 20°C - Brass female inserts.



Senior Single 3P - AFO - BX

3 pieces - 3/4" -
For 10" BX cartridges.

code
491140



Senior Single 3P - BFO - BX

3 pieces - 1" -
For 10" BX cartridges.

code
491145



Senior Duplex 3P - AFO - BX

3 pieces - 3/4" -
For 10" BX cartridges.

code
491150



Master Duplex 3P - AFO - BX

3 pieces - 3/4" -
For 20" BX cartridges.

code
491160

■ Brass nipples with O-ring

(sold by 2)



MM 3/4"
MM 1"

code
938080
938081

■ BX & CX cartridges

Water & aggressive liquids filtration - Polypropylene fiber
on polypropylene support - Max. temperature 40°C -
Does not fit on 1 1/2" & 2" brass heads.



	Height	Optimal flow (l/h)	code
FA 10 BX - 1 to 3 µ	10"	1000	493812
FA 10 BX - 5 µ			493813
FA 10 BX - 10 µ			493814
FA 10 BX - 25 µ			493815
FA 10 BX - 50 µ			493816
FA 10 BX - 100 µ			493817
FA 20 BX - 5 µ	20"	2000	493818
FA 20 BX - 25 µ			493819
FA 20 BX - 50 µ			493820
FA 20 BX - 100 µ			493821

Food use - ACS agreement - Water filtration - Washable -
Polyester net on polypropylene support - Max. temperature 40°C.



	Height	Optimal flow (l/h)	code
RL 10 BX - 50 µ	10"	1600	493822
RL 20 BX - 50 µ	20"	3000	493823

For 1 1/2" & 2" brass heads

RL 10 CX - 50 µ	10"	2000	493824
RL 20 CX - 50 µ	20"	3800	493825

■ BX & CX cartridges (continued)

Food use - ACS agreement - Water & aggressive liquids filtration - Washable - Polypropylene pleated fabric on polypropylene support - Max. temperature 40°C.



	Height	Optimal flow (l/h)	code
RS 10 BX - 50 μ	10"	2200	493826
RS 20 BX - 50 μ	20"	3800	493827

For 1"1/2 & 2" brass heads

RS 10 CX - 50 μ	10"	2600	493828
RS 20 CX - 50 μ	20"	4600	493829

Food use - Water & aggressive liquids filtration - Washable - Stainless steel 304 pleated fabric on polypropylene support - Max. temperature 40°C.



	Height	Optimal flow (l/h)	code
SA 10C BX - 50 μ	10"	2200	493830
SA 20C BX - 50 μ	20"	3800	493831

For 1"1/2 & 2" brass heads

SA 10C CX - 50 μ	10"	2600	493832
SA 20C CX - 50 μ	20"	4600	493833



Food use - Drinkable water filtration - Ceramic cartridge - Very thin filtration & bacteria / micro-organisms elimination - Working temperature 35°C.

	Height	Optimal flow (l/h)	code
AB 10 BX - 0,45 μ	10"	300	493798



Food use - Water with chemical products filtration - Activated carbon & polyester fiber.

	Height	Optimal flow (l/h)	code
CA 10 BX - 25 μ	10"	600	493836
CA 20 BX - 25 μ	20"	1200	493837



Container filled with polyphosphate - Cold water (max. 20°C) - Do not fit on 1"1/2 & 2" brass heads.

	Height	Optimal flow (l/h)	code
HA 10 BX	10"	1400	493834
HA 20 BX	20"	2800	493835

■ Polyphosphate doses for calcareous water filtration



Dosal

Uses 3 to 5 g polyphosphate per m³ - Fittings F 3/4" - M 3/4" - 150 g polyphosphate - Max. pressure 4 bar at 20°C - Mounting on cold water inlet.

code
491630



HA - M - SX

Cartridge for Dosadrop Mignon L 3P.

code
493799



Dosadrop Mignon L 3P

Mounting on cold water inlet (20°C) - Anti-calcareous - Proportional dosing - Food use - Max. pressure 4 bar - Fitting F 1/2".

code
491637



Polyphosphate

25 kg
1,5 kg

code
494250
494015

■ Filters accessories



L key For Mignon 3 P
U key For 2 P & 3 P filters

code
494300
494317



By-pass 3/4" for Duplex, Biplex & Duo

code
494350



Single filter wall support

Screws included

Duplex filter wall support

Screws included

code
494325
494330



Biplex SX set

Includes: 1 filter Senior Duplex 3/4" with proportional system, 1 cartridge FA 10 SX 25 μ , 1 cartridge HA 10 SX, 1 wall support with screws, 1 key - Food quality & safety - Max. pressure 4 bar - Optimal flow 1400 l/h - Mounting on cold water inlet only (max. 20°C).

Biplex SX 3/4"

code
491161

Filters for SX cartridges

Food quality & safety - Max. temperature 45°C at 2 bar - Max. pressure 4 bar at 20°C - Brass female inserts.



Mignon Single S - 3P - MFO

3 pieces - 1/2" - For 5" SX cartridges.

code
491101



Junior Single 3P - AFO - SX

3 pieces - 3/4" - For 7" SX cartridges.

code
491113



Senior HOT 3P - AFP - SX

3 pieces - 3/4" - Special hot water up to 80°C - For FA 10 HOT & PP 110 cartridges.

code
491121



Senior Single 3P - AFO - SX

3 pieces - 3/4" - For 10" SX cartridges.

code
491120



Senior Single 3P - BFO - SX

3 pieces - 1" - For 10" SX cartridges.

code
491125

Senior Duplex 3P - AFO - SX

3 pieces - 3/4" - For 10" SX cartridges.

code
491135

SX cartridges

Water & aggressive liquids filtration - Polypropylene - Max. temperature 40°C.



	Height	Optimal flow (l/h)	code
FA Mignon SX - 5 μ	5"	300	493800
FA Mignon SX - 25 μ	5"	300	493801
FA 7 SX - 5 μ	7"	700	493802
FA 7 SX - 25 μ	7"	700	493803
FA 10 SX - 1 to 3 μ	10"	1000	493902
FA 10 SX - 5 μ	10"	1000	493804
FA 10 SX - 10 μ	10"	1000	493839
FA 10 SX - 25 μ	10"	1000	493805

Max. temperature 80°C.

FA 10 HOT SX - 25 μ	10"	1000	493951
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Food use - Water with chemical products filtration - Activated carbon & polyester fiber.

	Height	Optimal flow (l/h)	code
CA 10 SX - 25 μ	10"	600	493806



Food use - ACS agreement - Washable - Pleated polyester fabric - Especially used for swimming pools - Usable for air filtration - Max. temperature 40°C.

	Height	Optimal flow (l/h)	code
TS 10 SX - 50 μ	10"	2200	493807

Drinkable water filtration & reversed osmose systems pre-filtration - ACS agreement - Polypropylene - Max. temperature 80°C.



	Height	Optimal flow (l/h)	code
CPP 110SX - 1 μ	10"	1500	493760
CPP 110 SX - 5 μ	10"	1500	493761
CPP 110 SX - 25 μ	10"	1500	493763



Food use - ACS agreement - Washable - Polyester net - Max. temperature 40°C.

	Height	Optimal flow (l/h)	code
RL 10 SX - 50 μ	10"	1500	493808



Container filled with polyphosphate - For 10" filters - Cold water (max. 20°C).

	Height	Optimal flow (l/h)	code
HA 10 SX	10"	1400	493811

Hydra manual self-cleaning filters



Upstream cleaning by draining valve opening - Stainless steel 316 cartridge RAH. Filtration 90 - Min. pressure 1 bar - Max. pressure 8 bar. - Max. temperature 45°C - Max. flow 6000 l/h (2500 l/h recommended for 3/4", 4000 l/h for 1") - Supplied with wall support and key.



Hydra 3/4"

code
491801
491802

Hydra 1"



Manual self-cleaning filter 3/4" with stainless steel 316 cartridge RAH - Filter 3/4" with polyphosphates cartridge HA10SX (to avoid tartar) - Max. flow 2500 l/h - Supplied with wall support and key.



Hydra Duo 3/4" HA
(anti-calcareous)

code
491810



Cartridge RAH
90 µ

code
494000



Cartridge HA10SX

code
493811



Cartridge LA10SX

code
493739



Manual self-cleaning filter 3/4" with stainless steel 316 cartridge RAH - Filter 3/4" with active carbon cartridge LA10SX (chemicals processing) - Max. flow 2500 l/h - Supplied with wall support and key.



Hydra Duo 3/4" LA
(active carbon)

code
491811

Sanic bacteriostatic filters & cartridges

For a very efficient filtration and a antibacterian protection, thanks to antimicrobial Microban product using silver - Food and Drug Administration (FDA) certified.



Senior Plus 3P - AFO - SX

3 pieces - 3/4".

code
490010



Senior Duplex Plus 3P - AFO - SX

3 pieces - 3/4".

code
490020



- FA 10 SANIC SX 1 µ
- FA 10 SANIC SX 5 µ
- FA 10 SANIC SX 10 µ
- FA 10 SANIC SX 25 µ
- FA 10 SANIC SX 50 µ
- FA 10 SANIC SX 100 µ

code
493400
493401
493402
493403
493404
493405



- CPP 10 SANIC SX 1 µ
- CPP 10 SANIC SX 5 µ
- CPP 10 SANIC SX 10 µ
- CPP 10 SANIC SX 25 µ
- CPP 10 SANIC SX 50 µ

code
493410
493411
493412
493413
493414

Domestic water filtration & disinfection - Germi Ultra



Germi Ultra 500

Duplex BX 3P 3/4" with cartridge RL 10 BX 50 µ, UV lamp 11 Watts, control panel, alarm & N key - Average flow filtered 800 l/h - Pressure 4 bar at 20°C - 230V (50Hz) - Fittings inlet/outlet 3/4".

code
498001



Germi Ultra 1000

Master Duplex BX 3P 3/4" with cartridge RL 20 BX 50 µ, UV lamp 25 Watts, control panel, alarm & N key - Average flow filtered 2300 l/h - Pressure 4 bar at 20°C - 230V (50Hz) - Fittings inlet/outlet 3/4".

code
498005



Includes wire & connector

- UV lamp 11 Watts
- UV lamp 25 Watts

code
937723
937724

■ Complete filters - Domestic use

Max. temperature 50°C - Max. pressure 10 bar - Includes 1 filter 25 µ - NW 25/32: includes union fitting & key.



NW 18 3/4"

Flow (l/h) for Δp = 0,2 bar	code
3500	506018JE



NW 25 3/4"

NW 25 1"

Flow (l/h) for Δp = 0,2 bar	code
5500	506025
5500	506026



NW 32 1 1/4"

Flow (l/h) for Δp = 0,2 bar	code
6500	506032

■ Double function filters

25 µ mechanical filtration & water treatment with refillable cartridge (activated carbon or polyphosphates) - Use filter sleeves for NW 25 - Includes empty CTN cartridge, 2 fittings 3/4" & 2 fittings 1".



TIO 1"

code
506027



Same as NW 25 DUO, except supplied with CTN refillable empty cartridge.

NW 25 DUO-CTN

code
506091



CTN cartridge filled with activated carbon
Empty CTN cartridge

code
493960
493961



Activated carbon

3,4 l - For 60 m³ water.

code
506700

■ Complete filters - Industry

Protection of the installations with filtration of water suspension solid particles - Concentration of the biggest particles in the bottom end thanks to the centrifugal propeller - Easy replacement of the filter sleeve - High constant flow - Low loss factor: 0,2 bar - Max. temperature 50°C - Pressure use 10 bar - Includes 25 µ filter sleeve, 2 glycerine filled manometers & drain cock valve.



NW 500 2"

Flow (l/h) for Δp = 0,2 bar	code
18 000	506151



NW 650 2 1/2"
NW 800 3"

Flow (l/h) for Δp = 0,2 bar	code
25 000	506163
32 000	506176

■ Filters with water treatment device



NW 25 TE 1"

0,850 l, supplied empty.



NW 32 TE 1 1/4"

1,700 l, supplied empty.



NW 500 TE 2"

4,850 l, supplied empty.

NW 25 TE-CTN 1"

Supplied with CTN empty cartridge.

code
506080
506085
506187
506081

■ Wall brackets



Single

For NW 18/25/32 & TIO - Polypropylene.

Single

For NW 500/650/800 - Stainless steel.

Double

For NW 25/32 - Stainless steel.

code
506597
506598
506599

■ Filter sleeves (sold by 5)



Filtration	For NW 18		For NW 25 & TIO		For NW 32		For NW 500/650/800	
	code		code		code		code	
5 µ	506096		506100		506110		506120	
10 µ	506097		506101		506111		506121	
25 µ	506098		506102		506112		506122	
50 µ	-		506104		506114		506124	
100 µ	506099		506103		506113		506123	
150 µ nylon	-		506105		506115		506125	
300 µ nylon	-		-		506118		506300	

Domestic water filtration

METALife



Rinsable filters

Brass head - Stainless steel 316 cartridge - Filtration 89 µ - Drain valve - Max. pressure 10 bar - Max. temperature 30°C.



MEC 316 3/4"

Recommended flow 2,4 m³/h (max. 4,2 m³/h).

MEC 316 1"

Recommended flow 3,6 m³/h (max. 6 m³/h).

MEC 316 1"1/4"

Recommended flow 5,4 m³/h (max. 7 m³/h).

code
491500
491501
491502

Cartridges



Cartridge 85 µ for MEC

Cartridge 89 µ for MEC

Cartridge 50 µ for MEC

code
937994
937995
937988



Cartridge 89 µ for PLOT

939013



Key for MEC/PLOT

494299

Manuel self-cleaning filters

Brass head - Stainless steel 316 cartridge with built-in Turboclean turbine - Filtration 89 µ - Drain valve - Max. pressure 10 bar - Max. temperature 30°C.



PLOT 3/4"

Recommended flow 2,4 m³/h (max. 4,2 m³/h).

PLOT 1"

Recommended flow 3,6 m³/h (max. 6 m³/h).

code
491496
491497

PLOT 1"1/4"

Recommended flow 5,4 m³/h (max. 7,8 m³/h).

PLOT 1"1/2"

Recommended flow 7,2 m³/h (max. 9,6 m³/h).

code
491498
491499

Outdoor water filtration

For rivers, canals, lakes, wells - Plastic body - Stainless steel screws, clamps & springs - Polypropylene blades - Max. pressure 10 bar at 20°C - Fluid max. temperature 80°C.



Filter 3/4" R
Filter 3/4" J

Max. flow (m³/h)	Filtration	code
3	130 µ red	481010
4	200 µ yellow	481015



Filter 1" R
Filter 1" J

Max. flow (m³/h)	Filtration	code
5	130 µ red	481020
6	200 µ yellow	481025



Filter 1"1/2 R short
Filter 1"1/2 J short

Max. flow (m³/h)	Filtration	code
8	130 µ red	481030
8	200 µ yellow	481035



Filter 1"1/2 R long
Filter 1"1/2 J long

Max. flow (m³/h)	Filtration	code
9	130 µ red	481040
10	200 µ yellow	481045



Hydrocyclone 2"

Max. flow (m³/h)	Filtration	code
30	200 µ yellow	481100



Filter 2" R LITE
Filter 2" J LITE

Max. flow (m³/h)	Filtration	code
25	130 µ red	481070
25	200 µ yellow	481075



Filter DN80 R LITE *
Filter DN80 J LITE *

Max. flow (m³/h)	Filtration	code
40	130 µ red	481080
40	200 µ yellow	481085

* Max. pressure: 8 bar.

FAUCETS

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Standard range pages 268 to 269

Renovation..... pages 270 to 271

Displays..... page 272

2013 COLLECTION

The modernity of design



Guarantee
10
Years

LAGGI



Box packaging

The strength of everlasting lines



Guarantee
5
Years

Sterman



Box and blister packaging

Standard range



Guarantee
2
Years



Box packaging

ENERGY SAVING



Energy saving cartridge

When the handle is in central position, the faucet opens the cold water side. No use of hot water if not necessary.



Temperature limiter cartridge

The end-user can adjust the temperature limiter. The supplied water temperature can be reduced up to 50%.



Flow limiter

An opening resistant step reduces the water flow at 50%. To increase the flow, the resistant step can be overcome.



Low consumption house

According to "Maison Basse Consommation" RT2012 (French regulation).



Flow limiter aerator



Eco stop

The water consumption can be reduced by 50% with a comfortable water flow.



Booster

From cold to hot water in only 2 seconds! Comfort and energy saving.

DESIGN



Push-up drainage

For bowl type and flat contemporary basins. Easy use by valve press.



Cascade nozzle

ENDURANCE



Anti-calcareous

The nozzle aerator acts as a filter and retains the calcareous particles. Can be easily uninstalled for cleaning.



Extra resistant flexible

QUALITY



Chrome finishing

Longlasting finishing.



Paint

High quality painting.

COMFORT



Coin slot aerator

Can be dismantled with a coin. Easy maintenance.



Pull-out spray



Adjustable nozzle



Bi-jet spray

SAFETY



Cold body

The cold body technology keeps the metal surface separated to the hot water flow. The faucet body is never scalding.



Secure stop

The water temperature is set at 38°C to avoid any scalding risk. This function can be set or unset by the end-user.



Basin mixer

- Cartridge Ø 35
- Body 50 x 50 mm
- Metal joystick handle
- Brass drainage
- 120 mm projection

Simba

Chrome

Box

Price €

947099



Basin high mixer

- Cartridge Ø 35
- Body 41 x 41 mm
- Metal handle
- Sold without drainage*
- 135 mm projection

Equus

Chrome

Box

Price €

613099



Basin mixer

- Cartridge Ø 35
- Body 41 x 41 mm
- Metal handle
- Brass drainage
- 106 mm projection

Equus

Chrome

Box

Price €

612099



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Equus

Chrome

Box

Price €

614099



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 183 mm projection

Equus

Chrome

Box

Price €

611099

* See "Push-up" drainage page 271





Basin high mixer

- Cartridge Ø 35
- Body 42 x 42 mm
- Metal handle
- Sold without drainage*
- 128 mm projection

Ginko



Box

743099

Price €



Basin mixer

- Cartridge Ø 35
- Body 42 x 42 mm
- Metal handle
- Brass drainage
- 127 mm projection



Ginko



Box

742099

Price €

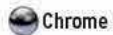


Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance



Ginko



Box

744099

Price €



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 205 mm projection



Ginko



Box

741099

Price €

* See "Push-up" drainage page 271



Easy mounting system for shower and bath taps.
Advantage: quick and nice looking installation.



New



Basin mixer

- Ceramic cartridge Ø 25 - Energy saving
- Body Ø 38
- Metal handle
- 140 mm height under nozzle
- Ultra thin aerator with water saving function (40%)
- 151 mm projection

Ophir



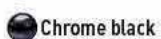
Box

662099

Price €



662089



662199



New

Basin mixer

- Ceramic cartridge Ø 25 - Energy saving
- Body Ø 45
- Metal handle
- 94 mm height under nozzle
- Ultra thin aerator with water saving function (40%)
- 118 mm projection



Mezzo

Box Price €

- Chrome 672099
- White 672019
- Matt black 672089

New

Basin mixer

- Ceramic cartridge Ø 25
- Body Ø 36
- Metal handle
- 110 mm height under nozzle
- Ultra thin aerator with water saving function (40%)
- 110 mm projection



Reno

Box Price €

- Chrome 732099
- White 732019
- Matt black 732089



New

Basin mixer

- Ceramic cartridge Ø 25
- Body Ø 36
- Metal handle
- 116 mm height under nozzle
- 124 mm projection



New

Basin mixer

- Ceramic cartridge Ø 25 - Energy saving
- Body Ø 45
- Metal handle
- 127 mm height under nozzle
- 130 mm projection



Izawa

Box Price €

- Chrome 582099



Aukland

Box Price €

- Chrome 542099



New

Basin mixer

- Ceramic cartridge Ø 25 - Energy saving
- Body Ø 45
- Metal handle
- 65 mm height under nozzle
- Aerator with water saving function (40%)
- 121 mm projection



Jersey	Box	Price €
Chrome	652099	
Matt black	652089	
Brushed nickel	652179	



Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 50
- Metal handle
- Brass drainage
- Built-in flow limiter - Energy saving



Lyra	Box	Price €
Chrome	982099	

New

Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 40
- Metal handle
- 105 mm height under nozzle
- 168 mm total height
- 132 mm projection



Nelson	Box	Price €
Chrome	572099	



Basin mixer

- Ceramic cartridge Ø 40
- Body Ø 47
- Metal handle
- ABS drainage
- 101,5 mm projection

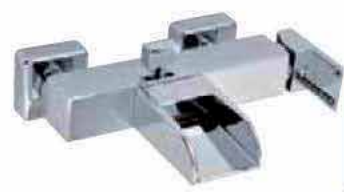
Cetus	Box	Price €
Chrome	892099	



Basin mixer

- Ceramic cartridge Ø 35
- Body 38 x 38
- Metal handle
- ABS drainage

Maghera	Box	Price €
Chrome	832099	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Maghera	Box	Price €
Chrome	831099	





New

Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 40
- Metal handle
- 178 mm height under nozzle
- 110 mm projection

Helix

Chrome

Box

Price €

562099



Basin mixer

- Ceramic cartridge Ø 40
- Body 47 x 47
- Metal handle
- ABS drainage
- 102 mm projection

Quark

Chrome

Box

Price €

992099

New

Basin high mixer

- Ceramic cartridge Ø 35
- Body Ø 45
- Metal handle
- 120 mm height under nozzle
- 130 mm projection



Siena

Chrome

Box

Price €

593099

New

Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 45
- Metal handle
- 80 mm height under nozzle
- 93 mm projection



Siena

Chrome

Box

Price €

592099



Basin high mixer

- Cartridge Ø 26
- Body Ø 40 x 35 mm
- Metal handle
- Sold without drainage*
- 153 mm projection

Travis

Chrome

Box

Price €

693099



Basin mixer

- Cartridge Ø 26
- Body Ø 40 x 35 mm
- Metal handle
- Brass drainage
- 105 mm projection

Travis

Chrome

Box

Price €

692099

* See "Push-up" drainage page 271



Basin mixer

- Cartridge Ø 35
- Metal joystick handle
- Brass drainage
- 97 mm projection

Slimy

Chrome

Box

Price €

602099



New

Basin mixer

- Ceramic cartridge Ø 25
- Body Ø 35
- Metal handle
- 99 mm height under nozzle
- 180 mm total height
- 108 mm projection

Winston

Chrome

Box

Price €

552099





New

Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 45
- Metal handle
- 88 mm height under nozzle
- 116 mm projection



Modena	Box	Price €
Chrome	162099	

New

Shower mixer



Modena	Box	Price €
Chrome	164099	

New

Bath / shower mixer



Modena	Box	Price €
Chrome	161099	



New

Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 35
- Metal handle
- Includes easy installation key



Strada	Box	Price €
Chrome	122099	

New

Shower mixer



Strada	Box	Price €
Chrome	124099	

New

Bath / shower mixer



Strada	Box	Price €
Chrome	121099	

New

Thermostatic mixers

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- Cold body with built-in change-over



Thermosur 650 shower



Thermosur 650 bath / shower

Thermosur 650	Chrome	Box	Price €
Shower		884659	
Bath / shower - 175 mm projection		881659	



New

Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 42
- Metal handle
- 88 mm height under nozzle



T550	Box	Price €
Chrome	882559	

New

Thermostatic mixers

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- Cold body with built-in change-over



Thermosur 550 shower

Thermosur 550 bath / shower



Thermosur 550	Chrome	Box	Price €
Shower		884559	
Bath / shower - 176 mm projection		881559	



New

Thermostatic mixers

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- Cold body with built-in change-over



Thermosur 450 shower



Thermosur 450 bath / shower

Thermosur 450	Chrome	Box	Price €
Shower		884459	
Bath / shower - 175 mm projection		881459	

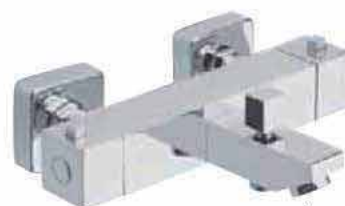


Thermostatic mixers

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- Metal crosspieces - Eco-stop button
- 150 ± 15 mm centre distance



Thermosur 420 shower



Thermosur 420 bath / shower

Thermosur 420	Chrome	Box	Price €
Shower		884429	
Bath / shower - 190 mm projection		881429	



Thermostatic mixers

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- Metal crosspieces
- 150 ± 15 mm centre distance



Thermosur 400 shower



Thermosur 400 bath / shower

Thermosur 400	Chrome	Box	Price €
Shower		884499	
Bath / shower - 205 mm projection		881499	



New

Thermostatic mixers

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection



Thermosur 350 shower



Thermosur 350 bath / shower

Thermosur 350	Chrome	Box	Price €
Shower		884599	
Bath / shower - 175 mm projection		881599	





New

High mixer

- Ceramic cartridge Ø 35
- Metal handle
- 218 mm height under nozzle
- 700 mm total height



Star **Box** **Price €**

Chrome 988099



New

High mixer

- Ceramic cartridge Ø 35
- Body Ø 51
- Metal handle
- Spray bi-jets
- 162 mm height under nozzle
- 522 mm total height
- 210 mm projection



Sergent **Box** **Price €**

Brushed nickel 688179



High mixer with pull-out spray

- Cartridge Ø 35
- Body Ø 42
- Free nozzle with independent handle
- Bass extractible single-jet pull-out spray
- 245 mm height under nozzle



Ice **Box** **Price €**

Chrome 868099



New

High mixer with pull-out spray

- Ceramic cartridge Ø 35
- Body Ø 52
- Metal handle
- Free nozzle
- 197 mm height under nozzle
- 382 mm total height
- 190 mm projection



Gala **Box** **Price €**

Chrome 987099



New

High mixer

- Ceramic cartridge Ø 35
- Body Ø 42
- Metal handle
- 280 mm height under nozzle
- 625 mm total height
- 210 mm projection

Willow **Box** **Price €**

Chrome 158099



New

High mixer with pull-out spray

- Ceramic cartridge Ø 35
- Body Ø 45
- Metal handle
- Free nozzle
- 267 mm height under nozzle
- 351 mm total height
- 193 mm projection



Fargo **Box** **Price €**

Chrome 986099



High mixer with pull-out spray

- Cartridge Ø 35
- Body Ø 50
- Metal handle
- Free nozzle
- Extractible aerator with double clamp
- 1,50 m metal flexible spray
- 313 mm height under nozzle



Sonic **Box** **Price €**

Chrome 827099





New

High mixer

- Cartridge Ø 35
- Body Ø 40
- Metal handle
- Free nozzle
- 277 mm height under nozzle
- 306 mm total height
- 175 mm projection

Austin

Chrome

Box

685099

Price €



High mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- Free nozzle
- 320 mm height under nozzle

Pitch

Chrome

Box

847099

Price €



High mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- Free nozzle
- 270 mm height under nozzle

Fine

Chrome

Box

887099

Price €



New

High mixer

- Ceramic cartridge Ø 35
- Body Ø 50
- Metal handle
- Free nozzle
- 262 mm height under nozzle
- 369 mm total height
- 169 mm projection



Roma

Chrome

Box

127099

Price €



High mixer

- Cartridge Ø 35
- Body Ø 55
- Metal handle
- Free nozzle
- 267 mm height under nozzle

Vectra

Chrome

Box

865099

Price €



New

High mixer

- Ceramic cartridge Ø 35
- Body Ø 40
- Metal handle
- Free nozzle
- 366 mm total height
- 210 mm projection

Palma

Chrome

Box

687099

Price €



Mixer with pull-out spray

- Cartridge Ø 42
- Body Ø 55
- Extractable bi-jets pull-out hose with double clamp
- 1,20 m metal flexible spray
- Metal handle
- Free nozzle
- 123 mm height under nozzle



Mercura

Box

Price €

Chrome

751099



New

Mixer with pull-out spray

- Ceramic cartridge Ø 40
- Metal handle
- Free nozzle
- 142 mm height under nozzle
- 210 mm projection



Strada

Box

Price €

Chrome

126099

New

Mixer

- Cartridge Ø 40
- Metal handle
- Free nozzle
- 133 mm height under nozzle
- 226 mm projection



Strada

Box

Price €

Chrome

125099

New

Mixer

- Ceramic cartridge Ø 35
- Body Ø 50
- Metal handle
- Free nozzle
- 130 mm height under nozzle



Lyra

Box

Price €

Chrome

985099

New

Mixer

- Ceramic cartridge Ø 35
- Body Ø 40
- Metal handle
- Free nozzle
- 130 mm height under nozzle
- 176 mm total height
- 208 mm projection



Modena

Box

Price €

Chrome

165099





Basin high mixer

- High mixer with 360° movable nozzle
- Cartridge Ø 40
- Body Ø 48
- Metal handle
- 230 mm height under nozzle

Pyrus

Chrome

Box	Price €
973099	



Basin high mixer

- Ceramic cartridge Ø 25
- Body Ø 35
- Metal handle
- ABS drainage
- 230 mm height under nozzle

Keizo

Chrome

Box	Price €
623099	



Basin mixer

- Cartridge Ø 35
- Body 45 x 45 mm
- Metal handle
- ABS drainage
- 128 mm projection

Streva

Chrome

Box	Price €
932099	



Basin mixer

- Ceramic cartridge Ø 40
- Body Ø 50
- Metal handle
- ABS drainage
- Built-in flow limiter



Bellona

Chrome

Box	Price €
682099	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance



Bellona

Chrome

Box	Price €
684099	



Bath / shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance



Bellona

Chrome

Box	Price €
681099	





Basin mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- ABS drainage
- 168 mm projection

Bourbon	Box	Price €	Blister	Price €
Antique bronze	182139		182135	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance

Bourbon	Box	Price €	Blister	Price €
Antique bronze	184139		184135	



Bath / shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance
- 163 mm projection

Bourbon	Box	Price €	Blister	Price €
Antique bronze	181139		181135	



Basin mixer

- Cartridge Ø 35
- Body Ø 50
- Metal handle
- ABS drainage
- 125 mm projection

Chester	Box	Price €	Blister	Price €
Chrome	172099		172095	



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Chester	Box	Price €	Blister	Price €
Chrome	174099		174095	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 164 mm projection

Chester	Box	Price €	Blister	Price €
Chrome	171099		171095	



Basin mixer

- 1/4 turn ceramic heads
- Metal crosspieces
- Free nozzle
- ABS drainage
- 230 mm height under nozzle
- 105 mm projection

Time	Box	Price €	Blister	Price €
Chrome	112099		112095	



Shower mixer

- 150 ± 15 mm centre distance
- 130 mm projection

Time	Box	Price €	Blister	Price €
Chrome	114099		114095	



Bath / shower mixer

- 150 ± 15 mm centre distance
- 190 mm projection

Time	Box	Price €	Blister	Price €
Chrome	111099		111095	





Basin mixer with pull-out spray

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- ABS drainage
- ABS pull-out with double clamp 1,20 m metal flexible spray
- 126 mm projection

Saturnos	Box	Price €	Blister	Price €
Chrome	728099		728095	



Basin mixer

- Cartridge Ø 40 with flow and temperature limiter
- Body Ø 48
- Metal handle
- Brass drainage
- 110 mm projection



Saturnos	Box	Price €	Blister	Price €
Chrome	722099		722095	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance
- 157 mm projection



Saturnos	Box	Price €	Blister	Price €
Chrome	721099		721095	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance



Saturnos	Box	Price €	Blister	Price €
Chrome	724099		724095	



Bath / shower single-hole mixer

- Cartridge Ø 40
- 118 mm projection

Saturnos	Box	Price €	Blister	Price €
Chrome	723099		723095	



Basin mixer

- Ceramic cartridge Ø 40
- Body Ø 48
- Metal handle
- 50 mm projection

Callisto	Box	Price €
Brushed metal	802179	



Basin mixer

- Cartridge Ø 35
- Body Ø 42
- Metal handle
- Free and adjustable nozzle
- ABS drainage
- 120 mm projection

Swedge	Box	Price €	Blister	Price €
Chrome	132099		132095	





Basin high mixer

- Cartridge Ø 35
- Body 42 x 42 mm
- Metal handle
- Sold without drainage*
- 105 mm projection

Scuba	Box	Price €	Blister	Price €
● Chrome	103099		103095	



Basin mixer

- Cartridge Ø 35
- Body 42 x 42 mm
- Metal handle
- ABS drainage
- 105 mm centre distance

Scuba	Box	Price €	Blister	Price €
● Chrome	102099		102095	



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Scuba	Box	Price €	Blister	Price €
● Chrome	104099		104095	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 173 mm projection

Scuba	Box	Price €	Blister	Price €
● Chrome	101099		101095	



Basin high mixer

- Cartridge Ø 40
- Body Ø 45
- Metal handle
- Sold without drainage*
- 101 mm projection

Kilya	Box	Price €	Blister	Price €
● Chrome	813099		813095	



Basin mixer

- Cartridge Ø 40
- Body Ø 45
- Metal handle
- ABS drainage
- 115 mm projection

Kilya	Box	Price €	Blister	Price €
● Chrome	812099		812095	
● Matt black	812089		812085	



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Kilya	Box	Price €	Blister	Price €
● Chrome	814099		814095	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 170 mm projection

Kilya	Box	Price €	Blister	Price €
● Chrome	811099		811095	

* See "Push-up" drainage page 271





Basin mixer

- Cartridge Ø 35
- Body Ø 55
- Metal handle
- Brass drainage
- 115 mm projection

Izmir	Box	Price €	Blister	Price €
Chrome	192099		192095	



Basin mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- Brass drainage
- 100 mm projection



Orcus	Box	Price €	Blister	Price €
Chrome	822099		822095	



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Izmir	Box	Price €	Blister	Price €
Chrome	194099		194095	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance



Orcus	Box	Price €	Blister	Price €
Chrome	824099		824095	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 167 mm projection

Izmir	Box	Price €	Blister	Price €
Chrome	191099		191095	



Bath / shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance
- 148 mm projection



Orcus	Box	Price €	Blister	Price €
Chrome	821099		821095	



Basin mixer

- Ceramic cartridge Ø 35
- Body Ø 45 mm
- Metal handle
- 110 mm projection

Amber	Box	Price €
Chrome	762099	





Basin mixer

- 1/2 turn ceramic head
- Metal crosspieces
- Plastic drainage
- 156 mm height under nozzle



Eros +	Box	Price €	Blister	Price €
Chrome	833000		833005	



Shower mixer

- 150 ± 15 mm centre distance



Eros +	Box	Price €	Blister	Price €
Chrome	834099		834095	



Basin tap

- 1/2 turn ceramic head
- Metal crosspieces

Eros +	Box	Price €	Blister	Price €
Chrome	838099		838995	



Bath / shower mixer

- 150 ± 15 mm centre distance
- 135 mm projection



Eros +	Box	Price €	Blister	Price €
Chrome	831199		831095	



Basin high mixer

- Ceramic cartridge Ø 40
- Body Ø 49,5
- Metal handle
- Sold without drainage*
- 205 mm projection

Baryon	Box	Price €	Blister	Price €
Chrome	643099		643095	



Basin mixer

- Cartridge Ø 40
- Body Ø 47
- Metal handle
- ABS drainage
- Built-in flow limiter
- 45 mm projection



Baryon	Box	Price €	Blister	Price €
Chrome	642099		642095	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance



Baryon	Box	Price €	Blister	Price €
Chrome	644099		644095	



Bath / shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance
- 140 mm projection



Baryon	Box	Price €	Blister	Price €
Chrome	641099		641095	



Bath / shower single-hole mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance

Baryon	Box	Price €	Blister	Price €
Chrome	646099		646095	

* See "Push-up" drainage page 271





Basin mixer with adjustable nozzle

- 1/2 turn ceramic heads
- Brass crosspieces
- ABS drainage
- 166 mm height under nozzle
- 124 mm projection

Adonis	Box	Price €	Blister	Price €
Chrome	872099		872095	



Shower mixer

- ABS pull-out and brass wall support with double clamp
- 1,50 m metal flexible hose
- 150 ± 15 mm centre distance

Adonis	Box	Price €	Blister	Price €
Chrome	874099		874095	



Basin mixer

- 1/2 turn ceramic heads
- Brass crosspieces
- ABS drainage
- 130 mm projection

Adonis	Box	Price €	Blister	Price €
Chrome	879099		879095	



Bath / shower mixer

- ABS pull-out with double clamp
- 1,50 m metal flexible hose
- 150 ± 15 mm centre distance
- 172 mm projection

Adonis	Box	Price €	Blister	Price €
Chrome	871099		871095	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance

Romanz	Box	Price €	Blister	Price €
Chrome	134099		134095	
Chrome/gold	134229		134225	



Basin mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- ABS drainage
- 115 mm projection

Romanz	Box	Price €	Blister	Price €
Chrome	132009		132005DI	
Chrome/gold	132229		132225	



Bath / shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance
- 165 mm projection

Romanz	Box	Price €	Blister	Price €
Chrome	131099		131095	
Chrome/gold	131229		131225	





Basin mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- ABS drainage
- 129 mm projection

	Box	Price €	Blister	Price €
Chrome	712099		712095	
Chrome/gold			712225DI	



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

	Box	Price €	Blister	Price €
Chrome	714099		714095	
Chrome/gold			714225DI	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 170 mm projection

	Box	Price €	Blister	Price €
Chrome	711099		711095	
Chrome/gold			711225	



Basin mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- ABS drainage
- 140 mm projection

	Box	Price €	Blister	Price €
Chrome	772099		772095	



Shower mixer

- Cartridge Ø 40
- 150 ± 15 mm centre distance

	Box	Price €	Blister	Price €
Chrome	774099		774095	



Bath / shower mixer

- Cartridge Ø 40
- 164 mm projection

	Box	Price €	Blister	Price €
Chrome	771099		771095	



Basin mixer

- Cartridge Ø 40
- Body Ø 43
- Metal handle
- ABS drainage
- 109 mm projection

	Box	Price €	Blister	Price €
Chrome	142099		142095	





Basin mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- ABS drainage
- 112 mm projection

Léto	Box	Price €	Blister	Price €
● Chrome	852009		852006	
● White			852015	



Basin mixer

- Checks heads
- ABS crosspieces
- ABS drainage
- 160 mm height under nozzle

Ru	Blister	Price €
● Chrome	852095	



Shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance

Léto	Box	Price €	Blister	Price €
● Chrome	854009		854006	
● White			854015	



Basin tap

- Checks heads
- ABS crosspiece

Ru	Blister	Price €
● Chrome	838095	



Bath / shower mixer

- Cartridge Ø 35
- 150 ± 15 mm centre distance
- 139 mm projection

Léto	Box	Price €	Blister	Price €
● Chrome	851009		851006	
● White			851015	



Shower mixer

- 150 ± 15 mm centre distance

Ru	Blister	Price €
● Chrome	854095	



Bath / shower single-hole mixer

- 112 mm projection

Léto	Box	Price €	Blister	Price €
● Chrome	853009		853006	



Bidet mixer

- Adjustable aerator
- 96 mm projection

Léto	Box	Price €	Blister	Price €
● Chrome	857009		857006	



Bath / shower mixer

- 150 ± 15 mm centre distance
- 130 mm projection

Ru	Box	Price €	Blister	Price €
● Chrome	851099		851095	





Basin tap

- Cold and hot water mixer
- Cartridge Ø 25
- Body 35 x 35 mm
- Metal handle

Baros	Box	Price €	Blister	Price €
Chrome	838299		838295	



Basin mixer

- 1/2 turn ceramic head
- Metal crosspiece

Scop	Box	Price €	Blister	Price €
Chrome	838199		838195	



Basin tap

- Spring temporization
- Body Ø 35
- Metal tappet

Sanéos	Box	Price €	Blister	Price €
Chrome	858099		858095	



Shower thermostatic mixer

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- 150 ± 15 mm centre distance



Thermosur 100	Blister	Price €
Chrome	884005	



Shower thermostatic mixer

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- 150 ± 15 mm centre distance



Thermosur 200	Box	Price €	Blister	Price €
Chrome	884299		884295	



Bath / shower thermostatic mixer

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- 150 ± 15 mm centre distance
- 165 mm projection



Thermosur 200	Box	Price €	Blister	Price €
Chrome	881299		881295	





High mixer with pull-out spray

- Cartridge Ø 40
- Body Ø 42
- Metal handle
- ABS bi-jets pull-out with double clamp 1,50 m metal flexible spray
- Free nozzle
- 230 mm height under nozzle

Zéphir	Box	Price €	Blister	Price €
Chrome	826099		826095	



High mixer with pull-out spray

- Cartridge Ø 35
- Metal handle
- Bi-jets pull-out with nylon flexible spray
- 155 mm height under nozzle

Soho	Box	Price €	Blister	Price €
Chrome	138099		138095	



High mixer with pull-out spray

- Ceramic cartridge Ø 40
- Body Ø 50
- Metal handle
- 262 mm height under nozzle

Bristol	Box	Price €
Chrome	817099	



High mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- Free nozzle
- 280 mm height under nozzle

Art	Box	Price €	Blister	Price €
Chrome	825099		825095	



High mixer

- Ceramic cartridge Ø 35
- Body Ø 49
- Metal handle
- 330 mm height under nozzle

Vector	Box	Price €
Brushed metal	815179	





High mixer with adjustable nozzle

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- Free nozzle
- 245 mm height under nozzle
- 75 mm height in low position

Farello

Chrome

Box

Price €

756099



High mixer with adjustable nozzle

- Ceramic cartridge Ø 40
- Body Ø 50
- Metal handle
- 230 mm height under nozzle

Mica

Chrome

Box

Price €

757099



High mixer

- Ceramic cartridge Ø 35
- Body Ø 50
- Metal handle
- 250 mm height under nozzle

Pulse

Chrome

Box

Price €

837099



High mixer

- Ceramic cartridge Ø 35
- Body Ø 42
- Metal handle
- 235 mm height under nozzle

Somerset

Chrome

Box

Price €

897099



High mixer

- 1/2 turn ceramic heads
- Brass crosspieces
- Free nozzle
- 182 mm height under nozzle

Arkéos

Chrome

Box

Price €

Blister Price €

755099

755095

Antique copper

755149

755145

Antique bronze

755189

755185



High mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- Free nozzle
- 220 mm height under nozzle

Spirit

Chrome

Box

Price €

Blister Price €

867099

867095



High mixer

- Cartridge Ø 40
- Body Ø 45
- Metal handle
- Free nozzle
- 164 mm height under nozzle

Bridge

Chrome

Box

Price €

Blister Price €

145099

145095



High mixer

- 1/4 turn ceramic heads
- Metal crosspieces
- Free nozzle
- 214 mm height under nozzle

Time

Chrome

Box

Price €

Blister Price €

115099

115095





High mixer

- Ceramic cartridge Ø 40
- Body Ø 55
- Metal handle
- 245 mm height under nozzle

Callisto	Box	Price €
Brushed metal	805179	



High mixer

- Ceramic cartridge Ø 35
- Body Ø 49,5
- Metal handle
- 236 mm height under nozzle

Swan	Box	Price €
Matt black	965089	
Brushed metal	965179	



High mixer

- Ceramic cartridge Ø 40
- Body Ø 50
- Metal handle
- 265 mm height under nozzle

Baryon	Box	Price €	Blister	Price €
Chrome	647099		647095	



High mixer

- Ceramic cartridge Ø 40
- Body Ø 48
- Metal handle
- 240 mm height under nozzle

Helix	Box	Price €
Chrome	705099	



High mixer

- 1/2 turn ceramic heads
- Brass crosspieces
- Free nozzle
- 175 mm height under nozzle



Eros +	Box	Price €	Blister	Price €
Chrome	835099		835095	
Terre de France	835119		835115	



High mixer

- 1/2 turn ceramic heads
- Brass crosspieces
- Free nozzle
- 185 mm height under nozzle

Adonis	Box	Price €	Blister	Price €
Chrome	875099		875095	
White	875019		875015	
Terre de France	875119		875115	
Antique bronze	875139		875135	



High mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- Free nozzle
- 179 mm height under nozzle

Tellus	Box	Price €	Blister	Price €
Chrome	717099		717095	
Terre de France			717115	
Beige granite			717155	



High mixer

- Checks heads
- ABS crosspieces
- Free nozzle
- 190 mm height under nozzle

Ru	Blister	Price €
Chrome	855195	





Mixer

- Cartridge Ø 40
- Body Ø 45
- Metal handle
- Free nozzle
- 160 mm height under nozzle



Cayuga

Chrome

Box	Price €
695099	

Mixer

- Cartridge Ø 40 with flow and temperature limiter
- Body Ø 45
- Metal handle
- Free nozzle
- 141 mm height under nozzle



Saturnos

Chrome

White

Terre de France

Antique bronze

Beige granite

Box	Price €	Blister	Price €
725099		725095	
725019		725015	
725119		725115	
725139		725135	
725159		725155	

Mixer with pull-out spray

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- ABS bi-jets pull-out with double clamp 1,20 m metal flexible spray
- Free nozzle
- 131 mm height under nozzle



Saturnos

Chrome

Terre de France

Box	Price €	Blister	Price €
726099		726095	
726119		726115	

Mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- Cast free nozzle
- 140 mm height under nozzle



Linéa

Chrome

Terre de France

Antique bronze

Beige granite

Box	Price €	Blister	Price €
735099		735095	
735119		735115	
735139		735135	
735159		735155	

Mixer

- Cartridge Ø 40
- Body Ø 45
- Metal handle
- Free nozzle
- 141 mm height under nozzle



Orcus

Chrome

Box	Price €	Blister	Price €
845099		845095	



Mixer

- Ceramic cartridge Ø 40
- Body Ø 48
- Metal handle
- 127,5 mm height under nozzle

Sawyer

Brushed metal

Box	Price €
765179	

Mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- Free and adjustable nozzle



Swedge

Chrome

Box	Price €	Blister	Price €
135099		135095	





Mixer

- Ceramic cartridge Ø 40
- Body Ø 49
- Metal handle



Baryon

	Box	Price €	Blister	Price €
Chrome	645099		645095	

Mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- Free nozzle
- 117 mm height under nozzle



Bourbon

	Box	Price €	Blister	Price €
Chrome	185099		185095	
Antique tin	185199		185195	
Antique bronze	185139		185135	

Mixer

- Cartridge Ø 35
- Body Ø 40
- Metal handle
- Free nozzle
- 131 mm height under nozzle



Chester

	Box	Price €
Chrome	175099	

Mixer with pull-out spray

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- ABS bi-jets pull-out with double clamp 1,20 m metal flexible spray
- 115 mm height under nozzle



Léto

	Box	Price €	Blister	Price €
Chrome	856009		856005	
Terre de France	856119		856115	

Mixer

- Cartridge Ø 40
- Body Ø 50
- Metal handle
- Free nozzle
- 131 mm height under nozzle



Téthys

	Box	Price €	Blister	Price €
Chrome	775099		775095	
White	775019		775015	
Terre de France	775119		775115	

Mixer

- Cartridge Ø 35
- Body Ø 45
- Metal handle
- Free nozzle
- 115 mm height under nozzle



Léto

	Box	Price €	Blister	Price €
Chrome	855099		855006	
White			855015	
Terre de France			855115	
Antique bronze	855139		855135	





Standard range



Shower & bath/shower mixers are delivered with roses & offset fitting, centre distance 150 ± 20 mm. Basin mixers are equipped with 2 stainless steel braided flexible hoses & automatic drainage 33/42. Bath/shower & bath/shower single hole mixers are equipped with automatic changeover. Sink mixers are equipped with 2 stainless steel braided flexible hoses.



Sink mixer

- Checks head
- ABS crosspieces

Sold by multiple of 12 pieces

Box

Price €

Chrome

855199



Sink mixer

- Cartridge $\varnothing 35$
- Body $\varnothing 40$

Sold by multiple of 12 pieces

Box

Price €

Chrome

785000





Basin mixer

- Checks head
- ABS crosspieces

Sold by multiple of 12 pieces

Chrome

Box Price €

852099



Shower mixer

- Checks head
- ABS crosspieces
- 150 ± 15 mm centre distance

Sold by multiple of 12 pieces

Chrome

Box Price €

854099



Bath / shower mixer

- Checks head
- ABS crosspieces
- 150 ± 15 mm centre distance

Sold by multiple of 12 pieces

Chrome

Box Price €

851099



Basin mixer

- Cartridge Ø 35
- Body Ø 40
- ABS drainage

Sold by multiple of 12 pieces

Chrome

Box Price €

782000



Shower mixer

- Cartridge Ø 35
- Body Ø 40
- 150 ± 15 mm centre distance

Sold by multiple of 12 pieces

Chrome

Box Price €

784000



Bath / shower mixer

- Cartridge Ø 35
- Body Ø 40
- 150 ± 15 mm centre distance

Sold by multiple of 12 pieces

Chrome

Box Price €

781000



Shower thermostatic mixer

- 1/4 turn heads
- Scalding protection
- 150 ± 15 mm centre distance

Sold by multiple of 12 pieces

Chrome

Box Price €

884009



Bath / shower thermostatic mixer

- 1/2 turn ceramic heads
- Thermostatic cartridge with scalding protection
- 150 ± 15 mm centre distance

Sold by multiple of 8 pieces

Chrome

Box Price €

881009



Bidet mixer

- Adjustable aerator
- 96 mm projection

Chrome

Box Price €

857009





Shower mixer
Ceramic cartridge.
Adjustable centre distance
55 - 155 mm.
Includes 2 caps and 2 fittings
M 1/2 offset 12 mm.

blister	price €
701051	



Bath / shower mixer
Ceramic cartridge.
Adjustable centre distance
55 - 155 mm.
Includes 2 caps & 2 fittings
M 1/2 offset 12 mm.

blister	price €
702051	



Thermostatic shower mixer
Centre distance 120 - 140 mm.
1/2 turn ceramic head.
Ecostop function.
Scalding protection.

blister	price €
884305	



Gooseneck
1/2 - 150 mm
1/2 - 200 mm
1/2 - 250 mm
3/4 - 150 mm
3/4 - 200 mm
3/4 - 250 mm

blister	price €
061411	
061421	
061431	
061511	
061521	
061531	



Underneath pourer nozzle
1/2 - 150 mm
1/2 - 200 mm
3/4 - 200 mm
3/4 - 250 mm

blister	price €
062411	
062421	
062521	
062531	



Above pourer nozzle
1/2 - 200 mm
3/4 - 200 mm

blister	price €
063421	
063521	



Universal nozzle & neck adaptor
Includes fiber gasket

Male - Male	1/2 - 18/100	604181
	1/2 - 19/100	604191
	1/2 - 20/100	604101
	1/2 - 21/100	604111
	1/2 - 22/100	604121
	1/2 - 23/100	604131
	1/2 - 24/100	604141
	1/2 - 20/125	604201
	1/2 - 21/150	604311
Male - Female	1/2 - 22/100	607121

blister	price €
604181	
604191	
604101	
604111	
604121	
604131	
604141	
604201	
604311	
607121	



Free nuts (sold by 2)
FF 1/2.

blister	price €
700151	



Wall crosspiece with rose
MM 1/2 - 3/4.
Length 113 mm.

blister	price €
700161	



Offset fittings 5 mm
(sold by 2)
MF 1/2.

blister	price €
700171	



Shower mixer
Adjustable centre distance
55 - 155 mm. Includes 2 caps
& 2 fittings
M 1/2 offset 12 mm
& 2 fittings F 1/2.

blister	price €
700051	



Shower / bath nozzle with changeover
Fitting F 1/2. Flexible hose
outlet M 1/2.

blister	price €
700131	



Basin tap
With aerator.
Connection M 1/2.

blister	price €
838095	



Bidet valve

blister	price €
703001	



Mixer foot
Height 47 mm.

blister	price €
700351	



Hole covers (sold by 2)
Ø 45 mm.

blister	price €
700362	



Universal ceramic 1/2 turn head with ABS crosspiece

Ø	blister	price €
3/8	700251	
1/2	700261	
17/150	700271	
18/150	700281	
19/150	700291	
20/150	700301	
21/150	700311	
22/150	700321	



1/2 turn ceramic head
Crosspiece 20 cogs.

blister	price €
891630	



Check head
Crosspiece 20 cogs.



blister	price €
891640	



Crosspieces (sold by 2)
20 cogs for mixer.
Includes 5 plastic adaptors
(10x12 black, 8x18 red, square
of 7 green, 8x12 blu, 8x20 yellow)

blister	price €
891610	



Distance fittings 70 mm
(sold by 2)
MF 3/4.

blister	price €
891550	




Offset fittings
(sold by 2)
MM 1/2 - 3/4.
Brass nickel plated.

blister	price €
891580	




Roses
(sold by 2)
3/4.


blister	price €
891590	

 **Offset fittings 40 mm**
(sold by 2)
M 1/2. Nut F 1/2.


blister	price €
700182	

 **Offset fittings 40 mm**
(sold by 2)
MM 1/2 - 3/4.


blister	price €
700192	

 **Double elbow fittings & roses**
(sold by set of 2)
Offset 32 mm. M 1/2.
Nut 1/2.

blister	price €
700202	

 **Double elbow fittings & roses**
(sold by set of 2)
Offset 32 mm. M 1/2 - 3/4.


blister	price €
700212	

 **Ball joint aerator**
F 22/100 or M 24/100.
Rain shower or foam jet.

blister	price €
069221	

 **Aerator** 
F 22/100
M 24/100
M 28/100


blister	price €
064911	
064921	
064931	

 **Aerator**
With built-in flow limiter.

flow	blister	price €
F 22/100	61	064811
F 22/100	81	064821
M 24/100	61	064831
M 24/100	81	064841

 **Aerator** 
With anti-calcareous filter.

blister	price €
064951	
064961	
064971	


 **Cartridge for aerator**

blister	price €
064941	
064901	


 **Universal pull-out spray for sink mixers**
ABS hose - 2 jets.

blister	price €
051305	
051313	

Chrome
 Terre de France

 **Universal flexible hoses for sink mixer**
Nylon - Length 120 cm - F 15/21 - M 22/100.


blister	price €
051330	

 **Universal flexible hoses for sink mixer**
Metal - Chrome - Double clamp - Length 120 cm - F 15/21 - M 22/100.

blister	price €
051301	

 **Angle type fitting**
M 1/2. Nut 1/2.

blister	price €
700221	


 **Standard shafts**
(sold by 2)
Height 70 mm. MM 1/2 - 3/4.

blister	price €
700232	

 **Deluxe shafts** (sold by 2)
Height 70 mm.
MM 1/2 - 3/4.

blister	price €
891500	
891510	

chrome plated
white

 **Offset shafts 22 mm**
(sold by 2)
MM 1/2 - 3/4.
Height 100 mm.

blister	price €
700242	

 **Anti-splash jet nozzle 15 cm**
Suction connection.


blister	price €
065111	
065311	

white rubber
chrome plated metal

 **Anti-splash jet nozzle 15 cm**
Threaded F 22/100.
With aerator.


blister	price €
065211	
065221	

white plastic
chrome plated metal

 **Anti-splash jet nozzle 15 cm**
Threaded F 22/100. Adjustable head.
Rain shower or foam jet.


blister	price €
066221	

chrome plated metal

 **Cap with chain 30 cm**

blister	price €
064501	
064521	
064541	
064561	
064581	

36 to 40 mm
40 to 44 mm
43 to 47 mm
47 to 52 mm
53 to 57 mm

 **Chain 50 cm & ring**

blister	price €
064621	

Universal drainage "Push-up"

 **Universal drainage "Push-up"**
With chrome plated brass extension M1".
L: 200 mm - Ø 30 mm.
For sink without overflow.
Ø 30 mm to Ø 40 mm.

blister	price €
051401	

 **Universal drainage "Push-up"**
With chrome plated brass extension M1".
L: 200 mm - Ø 30 mm.
For sink with overflow.
Ø 30 mm to Ø 40 mm.

blister	price €
051411	

Universal display*

Metal. Includes shower / bath nuts.
H 46 x W 46 x L 100 cm or H 46 x W 46 x L 133 cm.

	code	price €
L 100 cm	890301	
L 133 cm	890302	



Display* LAGGI

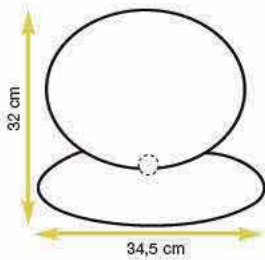
Veneered wood. Epoxy painted metal.
Up to 20 faucets on display.
4 removable shelves.

code	price €
920113	



Shelves* Sierman

Lacquered shelves on epoxy painted metal support.
To be installed on handrail with safety system.



Bathroom display

code	price €
920111	



Kitchen display

code	price €
920115	

Signs

To be installed on support.
50 x 20 cm.



code	price €
000064	



code	price €
000065	

* Sold without faucets

GENERAL CONDITIONS OF SALE

1. CONCLUSION OF THE SALE

Any order to our Company for products, from whatever source, implies unreserved acceptance of these general conditions of sale. These conditions override any other general conditions of sale, whatever their terms and cancel any contrary clause that may figure on contracts, documents or correspondence from the purchaser.

It is understood that, should any clause that figures on the purchaser's contracts, documents or correspondence and which opposes the application of these general conditions of sale be contrary to the dispositions of these general conditions of sale, it will be considered null and void by our Company.

2. ACCEPTANCE OF ORDERS

Orders are processed following agreement on the price, delivery conditions and packaging units.

3. PRICES

The prices for the products are set by the price list in force on the day the order is shipped; these are trade prices and are subject to the dispositions of article 2. They are set in the light of current economic conditions and our Company reserves the right to modify them at any time without notice should these conditions fluctuate.

4. PAYMENT CONDITIONS

4.1. Time limit

Our invoices are dated on the day of shipment. They are payable at 30 days at the end of the month by bank transfer.

4.2. Advanced payment

0,3% by month of advanced payment.

4.3. Penalties for late payment

Should there be any delay in a total or partial payment, our Company reserves the right to apply a penalty for late payment of an amount equivalent to the result of the application of a rate that is three times the legal rate, calculated at monthly rests following a formal warning sent to the purchaser.

All costs of whatever nature, relating to a payment that is late or in default, will be the responsibility of the purchaser.

Any compensation or deductions made unilaterally by the purchaser will be deemed to be late payments and will trigger the application of the sanctions set out above.

5. DELIVERY

5.1. Delivery conditions

See spreadsheet below.

5.2. Transfer of risk

Should goods be collected or delivered C.O.D. they will travel at the purchaser's risks and perils.

Should carriage be included in the price, our Company, together with its service providers, will assume the risk during transport on condition that the purchaser checks the number and condition of the packages in the presence of the transporter and notes any reservations on the delivery document, which it must sign and have countersigned by the transporter or its agent and confirm these reservations by registered letter within 2 days.

Without prejudice to the dispositions to be taken with regard to the transporter, any complaints on apparent faults or on the non-conformity of the goods delivered must be formulated by registered letter with acknowledgement of receipt within 48 hours of reception of the goods.

Once this period has elapsed, no claim concerning such faults will be entertained.

5.3. Late delivery

Whatever the date agreed upon for delivery, no indemnity can be claimed for late delivery, unless there is a stipulation to the contrary that has been agreed to by us.

Should the order require assembly, specific work or any other individual requirement, delivery is subject to a feasibility study and delivery time may be increased.

In any case, delivery within the delivery time or the release of the goods can be made only if the purchaser is up to date with his payment obligations to our Company.

We reserve the right to carry out delivery of all or part of the order at a time. Should delivery be partial, each part will be deemed to be a complete commercial operation. Payment will be required in proportion to the quantity delivered.

5.4. Returns

5.4.1. No return of goods will be accepted if a complaint has not previously been made to us and accepted by us.

5.4.2. Should we agree, the goods must be returned within 15 days from the date of our agreement in their original packaging or packaging that is identical to the original one. If the claim is justified, the goods returned will be replaced or a credit not issued at our choice.

The purchaser is solely responsible for any damage to goods resulting from their warehousing under abnormal conditions or conditions that are incompatible with their nature.

5.4.3. Deduction

Returns under these conditions will give rise to a deduction of a minimum of 30% for taking back into stock if goods can be sold as they are. If not, the goods will have to be examined to establish the amount of additional deduction for reconditioning and renovation of the products.

6. RESERVATION OF OWNERSHIP

Our Company reserves the ownership of the goods delivered until their cost has been entered in our Company's accounts.

During the period of reserved ownership, as the risks are transferred at the time of delivery, the purchaser as a consignee must insure the goods against all the risks of damage or responsibility.

The purchaser, who is authorised to sell on the goods delivered in the normal pursuit of its activity, is required to inform our Company immediately of the seizure on behalf of third parties of goods that have been delivered with reservation of ownership.

Should there be failure to pay a fraction or all of any of the instalments agreed for the cost, and eight days after failure in part or in whole to answer a formal warning by registered letter, the sale may be cancelled as of right if our Company sees fit without prejudice to any damages and interest claimed from the purchaser. The goods must be made immediately available to our Company, unless our Company requires their return at the purchaser's expense. Taking back the goods does not mean a cancellation of the sales contract. Sums already paid by the purchaser will be retained as initial damages and interest and without prejudice to any other damages.

These dispositions do not prevent the transfer to the purchaser of the risk of loss or deterioration of the products sold or any damage they may cause, as set out in article 5.1 above.

7. FORCE MAJEURE

Our Company will be discharged from its obligations by any event that is beyond its control which prevents or delays the delivery of the products and which is assimilated contractually to force majeure. This will cover in particular events that occur in-house or with our sub-contractors such as: lock-outs, strikes, fire, epidemics, embargoes, accidents, especially to tooling, breakage of machines, interruption or delay in transport, the impossibility of obtaining procurement, defects in raw materials or any other event beyond our control that leads to staff being partially or totally laid-off in our Company or those of our suppliers or sub-contractors.

8. GUARANTEE

For use considered to be normal, our guarantee will be limited to the replacement of parts acknowledged to be faulty within one year of delivery or more depending on the extensions to guarantees applying to certain ranges of products, without our being liable for any claim for compensation for damages and interest.

The costs of disassembly, carriage both ways and reassembly are excluded from the guarantee.

9. REPLACEMENT PARTS

When a product that we have supplied is stopped by our Company or the purchaser, our Company is not responsible for carrying out any need for after sales service which will have to be the subject of special agreement.

10. RECOMMENDATIONS

Any advice or counsel, technical indications or proposals that we may give or make do not imply any guarantee on our part. It is not our responsibility to assess the specifications or descriptions supplied. It is the customer's responsibility to check that the equipment is suitable for operation in real conditions of use.

11. INSURANCE

Our Company is insured as follows:

Third party insurance after delivery:

- €3,000,000 per year for all types of damage

- €1,000,000 per year for non-consecutive intangible damage.

12. ATTRIBUTION OF JURISDICTION – APPLICABLE LAW

12.1. It is expressly agreed that exclusive competence will be attributed for all disputes between the parties during their commercial relations to the French courts and in particular to the Commercial Court of Vienne, wherever the place of delivery, the method of payment accepted or even for claims under guarantee or where there are several defendants.

12.2. Relations with the purchaser will be governed by French law.

Should these conditions be translated into a foreign language, the text written in French will be the only one to have authentic value.

Country	Free delivery on orders over	Freight charge otherwise	Fixed admin. charge	Country	Free delivery on orders over	Freight charge otherwise	Fixed admin. charge	Country	Free delivery on orders over	Freight charge otherwise	Fixed admin. charge
Andorra	500 €	70 €	50 €	Germany	400 €	40 €		Portugal	500 €	70 €	
Austria	500 €	70 €		Greece	1 000 €	100 €		Republic of Macedonia	1 000 €	100 €	50 €
Belgium	400 €	40 €		Hungary	500 €	70 €		Romania	500 €	100 €	
Bosnia & Herzegovina	1 000 €	100 €	50 €	Ireland	500 €	70 €		Serbia	1 000 €	100 €	50 €
Bulgaria	500 €	100 €		Latvia	1 000 €	100 €		Slovakia	500 €	70 €	
Croatia	500 €*	100 €		Lithuania	1 000 €	100 €		Slovenia	500 €	70 €	
Czech Republic	500 €	70 €		Luxembourg	400 €	40 €		Spain	400 €	40 €	
Denmark	500 €	70 €		Netherlands	400 €	40 €		Sweden	1 000 €	100 €	
Estonia	1 000 €	100 €		Norway	1 000 €	100 €	50 €	Switzerland	500 €	100 €	50 €
Finland	1 000 €	100 €		Poland	500 €	70 €		UK	500 €	70 €	

* as of 01/07/2013



www.thermador-international.fr

107 rue du Ruisseau - Parc de Chesnes
38070 Saint-Quentin-Fallavier - FRANCE

Tel. +33 474 94 86 50 - Fax +33 474 94 86 59

e-mail: info@thermador-international.fr

VAT: FR 92487897449

Working hours : 8h15-11h50 - 13h00-17h00

