

Pressure control, process & instrumentation

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What's new!

New range of brass & stainless steel safety valves



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Stainless steel closed free float steam trap



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Straight Y-type overflow valves



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Angle type stainless steel overflow valves



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Stainless steel thermostatic steam trap

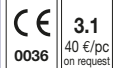


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Bronze



2014/68/EU Directive N°0036 - Risk category I / module A - CC499K body - EPDM tightness - Stainless steel strainer - Stainless steel seat up to 1"1/4, bronze seat above - For clean fluids - Downstream setting range: 1 to 8 bar - PS: 25 bar for threaded female & male union; PS: 16 bar for flanged PN16 - TS: -10°C/+95°C - Supplied with pressure gauge(s) - Not for gas of group 1.



681 / 682



Threaded female (BSP)

Ø	face to face (mm)	weight (kg)	code	price €
1/2"	85	1,20	246842	
3/4"	95	1,30	246843	
1"	105	2,40	246844	



Male union (BSP)

Ø	face to face (mm)	face to face with fittings (mm)	weight (kg)	code	price €
1/2"	80	142	1,20	246812	
3/4"	90	158	1,30	246813	
1"	100	180	2,40	246814	
1"1/4	105	193	2,60	246815	
1"1/2	130	226	5,50	246816	
2"	140	252	6,00	246817	



Flanged PN16

DN	face to face (mm)	weight (kg)	max. flow (m³/h)	code	price €
20	150	4,2	10	246823	
25	160	4,7	16	246824	
32	180	5,9	18	246825	
40	200	8,6	20	246826	
50	230	10,5	27	246827	
65*	290	20	60	246828	
80	310	22	68	246829	
100	350	40	102	246830	



* 4 hole flanges.

not on stock, on request.

2014/68/EU Directive N°0036 - Risk category II - CC499K body - FKM tightness - Brass inner parts - PS: 60 bar - TS: -10°C/+120°C - Downstream setting range: 0,5 to 15 bar with membrane; 5 to 30 & 10 to 50 bar with piston - Supplied with pressure gauge - For all compatible fluids.



HIGH PRESSURE 684 - High pressure (BSP)

Downstream pressure

Downstream pressure

Ø	face to face (mm)	weight (kg)	Downstream pressure				price €
			0,5 - 15 bar		5 - 30 bar	10 - 50 bar	
1/4"	68	1,2	246900		246920	246940	
3/8"	68	1,2	246901		246921	246941	
1/2"	68	1,2	246902		246922	246942	
3/4"	78	2,8	246903		246923	246943	
1"	102	15,3	246904		246924	246944	
1"1/2	136	9,4	246905		246925	246945	
2"	136	10,2	246906		246926	246946	



not on stock, on request.

Cast iron



2014/68/EU Directive N°0035 - Risk category II /Module D1 - Epoxy-coated cast iron body - Brass & bronze inner parts - NBR tightness - Flanged RF PN16 - PS: 16 bar - TS: -10°C/+80°C - Downstream pressure adjustable with screw - Supplied with pressure gauge - For water - WRAS certificate available up to DN100.



2420 - BFR - Coaxial

Downstream pressure

DN	Kv (m³/h)	face to face (mm)	weight (kg)	Downstream pressure		price €
				1 - 7 bar	4 - 12 bar	
50	64	190	12	2420050SE	2421050SE	
65*	89	210	14	2420065SE	2421065SE	
80	119	225	19	2420080SE	2421080SE	
100	222	255	26	2420100SE	2421100SE	
125	333	285	37	2420125	2421125	
150	470	315	50	2420150	2421150	
200	854	420	94	2420200	2421200SE	
250	1367	470	152	2420250	2421250SE	
300	1880	530	202	2420300	2421300SE	



* 4 hole flanges.

not on stock, on request.

■ Stainless steel

2014/68/EU Directive n°0035 - Risk category II / module D1 - CF8M body -
Supplied with stainless steel pressure gauge indicating the downstream pressure.

CE 0035 3.1
see p. 22



2430 - LPRV - Low pressure

FKM seat - PS: 10 bar - TS: -15°C/+80°C - For all compatible clean fluids.

Threaded (BSP) Downstream pressure

Ø	face to face (mm)	weight (kg)	0,2 - 1,5 bar code	price €
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	



2441 - PRV-W

EPDM seat - PS: 16 bar - TS: -15°C/+80°C - For potable water.

Threaded (BSP) Downstream pressure

Ø	face to face (mm)	weight (kg)	1 - 6 bar code	price €
1/2"	70	0,80	244101	
3/4"	85	1,00	244111	
1"	90	1,05	244121	



2440 - PRV

FKM seat - PS: 16 bar - TS: -15°C/+100°C - For all compatible clean fluids.

Threaded (BSP) Downstream pressure

Ø	face to face (mm)	weight (kg)	1 - 6 bar code	4 - 10 bar code	price €
1/2"	70	0,80	244001	244002	
3/4"	85	1,00	244011	244012	
1"	90	1,05	244021	244022	
1 1/2"	115	2,30	244031	244032	
2"	120	2,50	244041	244042	



Flanged PN16

Downstream pressure

DN	face to face (mm)	weight (kg)	1 - 6 bar code	4 - 10 bar code	price €
15	155	2	245001	245002	
20	155	3	245011	245012	
25	155	5	245021	245022	
40	192	8	245031	245032	
50	195	12	245041	245042	
65	210	16	245051	245052	
80	225	18	245061	245062	
100	250	25	245071	245072	



not on stock, on request.



2442 - PRV

FKM seat - PS: 16 bar - TS: -15°C/+100°C - For all compatible clean fluids.

Threaded (NPT) Downstream pressure

Ø	face to face (mm)	weight (kg)	1 - 6 bar code	price €
1/2"	70	0,80	244201	
3/4"	85	1,00	244211	
1"	90	1,05	244221	



F316 body - Supplied with upstream & downstream pressure gauges.

3.1
see p. 22

HIGH PRESSURE

PRU - 240 bar (NPT)

PFA gasket - Max. upstream pressure: 3500 psi / 240 bar -
TS: -40°C/+175°C - For gas.

Ø	downstream pressure	Kv (m³/h)	code	price €
1/4"	1 - 50 psi 0,07 - 3,4 bar	0,051	2420001	
1/4"	3 - 250 psi 0,2 - 17 bar	0,051	2420002	
1/4"	5 - 500 psi 0,35 - 34 bar	0,051	2420003	
1/2"	2 - 150 psi 0,15 - 10 bar	0,85	2420011	
1/2"	3 - 250 psi 0,2 - 17 bar	0,85	2420012	
1/2"	5 - 500 psi 0,35 - 34 bar	0,85	2420013	



PRU - 400 bar (NPT)

PEEK gasket for 1/4", PCTFE seat for 1/2" -
Max. upstream pressure: 6000 psi / 400 bar -
TS: -25°C/+75°C - For liquids.

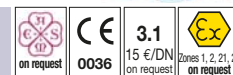
Ø	downstream pressure	Kv (m³/h)	code	price €
1/4"	0 - 2500 psi 0 - 170 bar	0,05	2420022	
1/2"	0 - 2500 psi 0 - 170 bar	0,17	2420032SE	



Threaded

2014/68/EU Directive N°0036 - Risk category IV / module H1 - Testing device - D type: all common fluids / F type: compressed air / G type: gas & liquids - Min. setting pressure: 0,3 bar - Standard settings 0,5 to 12 bar (every 0,5 bar): on stock - Mandatory certificate **5 €/pc additional will be invoiced.**

⚠ For settings above 12 bar please consult for price & delivery time.



COMPRESSED AIR

2800 - Brass - Free outlet **BSP**

CW614N body (stainless steel on request) - FKM seat - TS: -20°C/+200°C.



inlet Ø	ref.	max. setting pressure (bar)	code	price €
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	

NEW 2810 - Brass - Free outlet **BSP**

CW614N body - PTFE seat. TS: -20°C/+190°C.



inlet Ø	ref.	max. setting pressure (bar)	code	price €
3/8"	E10/S	100	28101	
1/2"	E10/S	100	28102	
3/4"	E10/S	100	28103	
1"	E14/S	100	28104	

NEW 281X - Stainless Steel - Free outlet **BSP**

2812 - F316 body - NBR seat - TS: -20°C/+190°C.

2813 - F316 body - FKM seat - TS: -20°C/+200°C.

2815 - F316 body - PTFE seat - TS: -196°C/+250°C.



inlet Ø	ref.	max. setting pressure (bar)	NBR code	FKM code	PTFE code	price €
1/4"	D7	60	28120	28130	28150	
3/8"	D10	60	28121	28131	28151	
1/2"	D10	60	28122	28132	28152	
3/4"	D14	30	28123	28133	28153	
1"	B20	60	28124	28134	28154	
1 1/4"	F25	30	28125	28135	28155	
1 1/2"	F32	14	28126	28136	28156	
2"	F40	30	28127	28137	28157	

LIQUIDS 2871 - Brass - Pipe outlet **BSP**

CW614N body - FKM seat - TS: -20°C/+200°C.



inlet Ø	outlet Ø	ref.	max. setting pressure (bar)	code	price €
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	60	28716	
2"	1 1/2"	G32	14	28717	

not on stock, on request.

STEAM 285X - Brass - Pipe outlet & lever **BSP**

Standard settings 0,5 to 15 bar (every 0,5 bar): on stock.

2851 - CN614N body - FKM+PTFE seat - TS: 165°C saturated steam.

2858 - CN614N body - KALREZ seat - TS: 200°C saturated steam.



inlet Ø	outlet Ø	ref.	max. setting pressure (bar)	2851 up to 6 bar code	2858 6,5 - 15 bar code	price €
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"	G20/L	60	28515	28585	
1 1/2"	1 1/2"	G25/L	60	28516	28586	
2"	2"	G40/L	14	28517	28587	

not on stock, on request.

PROCESS 2885 - Stainless steel - Pipe outlet **BSP**

FOOD

F316 body - PTFE seat (other seats on request) - EC 1935/2004 - TS: -196°C/+250°C.



inlet Ø	outlet Ø	ref.	max. setting pressure (bar)	code	price €
3/8"	3/4"	D10/C	60	28851	
1/2"	3/4"	D10/C	60	28852	
3/4"	1"	G10	30	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"	1 1/2"	G32	14	28857	

not on stock, on request.

NEW 286X - Stainless Steel - Pipe outlet & lever

Standard settings 0,5 to 15 bar (every 0,5 bar): on stock.

2863 - F316 body - PTFE seat - TS: 180°C saturated steam.

2868 - F316 body - KALREZ seat - TS: 200°C saturated steam.



inlet Ø	outlet Ø	ref.	max. setting pressure (bar)	2863 up to 10 bar code	2868 up to 15 bar code	price €
1/2"	1"	G10/L	30	28632	28682	
3/4"	1"	G14/L	60	28633	28683	
1"	1 1/4"	G20/L	60	28634	28684	
1 1/4"	1 1/4"	G20/L	60	28635	28685	
1 1/2"	1 1/2"	G25/L	60	28636	28686	
2"	2"	G40/L	14	28637	28687	

not on stock, on request.

NEW 2863 CL - Stainless Steel - Clamp

F316 body - outlet Ra 0,4.



inlet DN	Ø flange (mm)	outlet DN	Ø flange (mm)	ref.	code	price €
20	25	25	50,5	G10/L	2863CL1	
25	50,5	25	50,5	G10/L	2863CL2	
20	25	40	50,5	G14/L	2863CL3	
25	50,5	40	50,5	G14/L	2863CL4	
40	50,5	40	50,5	G20/L	2863CL5	
40	50,5	40	50,5	G25/L	2863CL6	
50	64	50	64	G40/L	2863CL7	

not on stock, on request.

Vacuum & pressure valve

S98 - Stainless steel **BSP**

Excluded from 2014/68/EU Directive (art. 4, §3) - F316L body - FKM seat - TS: -10°C/+150°C.



Ø	vacuum setting (bar)	pressure setting (bar)	code	price €
1"	-0,05	+0,34	28904005	

■ Flanged

2014/68/EU Directive N°0045 - Risk category IV / module B+D - Bureau Veritas marine & offshore approval - Full lift - Stainless steel trim - Hardened seat & superfinished disc - Closed bonnet - Watertight cap - Testing lever - For steam, gas & liquids - Min. setting pressure: 0,5 bar - Mandatory certificate 14 €/pc additional will be invoiced. ⚠ Additional delivery time for setting.



6301 - Cast iron - Flanged PN16

TÜV SV 96.894 approval - Flange connections: inlet RF PN16 / outlet RF PN10/16 - GG25 body - TS: -10°C/+200°C.



inlet DN	outlet DN	max. setting pressure (bar)	code	price €
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	

* 4 hole flanges.

■ not on stock, on request.

6301 S - Ductile iron - Flanged PN40

UDT certification - Flange connections: inlet RF PN40 / outlet PN10/16 - GGG40 body - TS: -10°C/+350°C.



inlet DN	outlet DN	max. setting pressure (bar)	code	price €
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	



WATER

6301 W - Cast iron - Flanged PN16

Same as 6301, except: EPDM tightness & TS: -10°C/+120°C.

inlet DN	outlet DN	max. setting pressure (bar)	code	price €
20	32	10	250420	
25	40	10	250425	
32	50	10	250432	
40	65	10	250440	
50	80	10	250450	
65	100	10	250465	



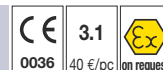
6302 - Carbon steel - Flanged PN40

TÜV SV 96.894 approval - Flange connections: inlet RF PN40 / outlet PN10/16 - 1.0619 carbon steel body - TS: -10°C/+300°C.

inlet DN	outlet DN	max. setting pressure (bar)	code	price €
20	32	40	250520	
25	40	40	250525	
32	50	40	250532	
40	65	32	250540	
50	80	32	250550	
65	100	32	250565	

Overflow valves

2014/68/EU Directive N°0036 - Risk category III - Products excluded from 2014/68/EU Directive risk category IV (not a safety device) - Pre-set pressure: 12 €/pc - Proportional opening - Adjustable pressure setting - Tight setting screw - PS: 20 bar.



■ Angle

617 N - Bronze - NBR seat **(BSP)**

CC499K body - TS: -30°C/+130°C.

Upstream pressure



inlet Ø	0,5 - 2,5 bar	2 - 12 bar	price €
3/8"	289201	289211	
1/2"	289202	289212	
3/4"	289203	289213	
1"	289204	289214	
1"1/4	289205	289215	
1"1/2	289206	289216	
2"	289207	289217	



617 P - Bronze - PTFE seat **(BSP)**

CC499K body - TS: -60°C/+225°C.

Upstream pressure

inlet Ø	0,5 - 2,5 bar	2 - 12 bar	12 - 20 bar	price €
3/8"	289251	289261	289271	
1/2"	289252	289262	289272	
3/4"	289253	289263	289273	
1"	289254	289264	289274	
1"1/4	289255	289265	289275	
1"1/2	289256	289266	289276	
2"	289257	289267	289277	

417 F - Stainless steel - FKM seat **(BSP)**

CF8M body (PTFE seat on request) - TS: -20°C/+200°C.

Upstream pressure



Ø	0,5 - 2,5 bar	2 - 12 bar	price €
3/8"	289301	289311	
1/2"	289302	289312	
3/4"	289303	289313	
1"	289304	289314	
1"1/4	289305	289315	
1"1/2	289306	289316	
2"	289307	289317	

NEW

417 P - Stainless steel - PTFE seat **(BSP)**

CF8M body - TS: -60°C/+225°C.

Upstream pressure



DN	0,5 - 2,5 bar	2 - 12 bar	12 - 20 bar	price €
3/8"	289351	289361	289371	
1/2"	289352	289362	289372	
3/4"	289353	289363	289373	
1"	289354	289364	289374	
1"1/4	289355	289365	289375	
1"1/2	289356	289366	289376	
2"	289357	289367	289377	

■ not on stock, on request.

NEW ■ Straight

617 YN - Bronze - NBR seat

CC499K body - TS: -30°C/+130°C.

Upstream pressure



Ø	0,5 - 2,5 bar		2 - 12 bar		price €
	code		code		
3/8"	289401		289411		
1/2"	289402		289412		
3/4"	289403		289413		
1"	289404		289414		
1 1/4"	289405		289415		

617 YP - Bronze - PTFE seat

CC499K body - TS: -30°C/+130°C.

Upstream pressure



Ø	0,5 - 2,5 bar		2 - 12 bar		price €
	code		code		
3/8"	289451		289461		
1/2"	289452		289462		
3/4"	289453		289463		
1"	289454		289464		
1 1/4"	289455		289465		

417 YF - Stainless Steel - FKM seat

CF8M body - TS: -20°C/+220°C.

Upstream pressure



Ø	0,5 - 2,5 bar		2 - 12 bar		price €
	code		code		
3/8"	289701		289711		
1/2"	289702		289712		
3/4"	289703		289713		
1"	289704		289714		

417 YP - Stainless Steel - PTFE seat

CF8M body - TS: -60°C/+225°C.

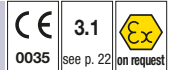
Upstream pressure



Ø	0,5 - 2,5 bar		2 - 12 bar		price €
	code		code		
3/8"	289751		289761		
1/2"	289752		289762		
3/4"	289753		289763		
1"	289754		289764		

not on stock,
on request.

2014/68/EU Directive N°0035 - Risk category II / module D1 - Pre-set pressure: 12 €/pc - CF8M body - FKM seat - For clean fluids - Supplied with a pressure gauge indicating the upstream pressure - Horizontal mounting.



■ Stainless steel

2480 / 2490 - BPV

PS: 16 bar - TS: -15°C/+100°C.



Threaded Upstream pressure

Ø	face to face (mm)	weight (kg)	1 - 5 bar		price €
			code	code	
1/2"	70	0,80	248001	248002	
3/4"	85	1,00	248011	248012	
1"	90	1,05	248021	248022	
1 1/4"	115	2,30	248031	248032	
2"	120	2,50	248041	248042	

2481 - LBPV - Low pressure

PS: 10 bar - TS: -15°C/+80°C.

Threaded Upstream pressure

Ø	face to face (mm)	weight (kg)	0,2 - 1,5 bar		price €
			code		
1/2"	70	0,80	248100		
3/4"	85	1,00	248110		
1"	90	1,05	248120		
1 1/2"	115	2,30	248130		
2"	120	2,50	248140		

Flanged PN16

Upstream pressure

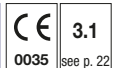


DN	face to face (mm)	weight (kg)	1 - 5 bar		price €
			code	code	
15	155	2	249001	249002	
20	155	3	249011	249012	
25	155	5	249021	249022	
40	190	8	249031	249032	
50	195	12	249041	249042	
65*	210	16	249051	249052	
80	225	18	249061	249062	
100	250	25	249071	249072	

* 4 hole flanges.

not on stock, on request.

2014/68/EU Directive N°0035 - Risk category II / module D1 - Flanged RF PN16 - Epoxy coated cast iron body - Brass & bronze inner parts - NBR tightness - For clear water - PS: 16 bar - TS: -10°C/+80°C - Upstream pressure adjustable with screw - Supplied with pressure gauge - Horizontal mounting preferred - Prohibited use for gas from group 1.



■ Cast iron

Upstream pressure range



DN	Kv (m³/h)	face to face (mm)	weight (kg)	0,3 - 4 bar		price €
				code	code	
50	64	190	12	2470050	2471050	
65*	89	210	14	2470065	2471065	
80	119	225	19	2470080	2471080	
100	222	255	26	2470100	2471100	
125	333	285	37	2470125	2471125	
150	470	315	50	2470150	2471150	
200	854	420	94	2470200	2471200	
250	1367	470	152	2470250	2471250	
300	1880	530	202	2470300	2471300	

* 4 hole flanges.

not on stock,
on request.

Excluded from 2014/68/EU Directive (art. 4, §3) - Not compatible with gases from group 1 - NBR membrane - Pressurizing valve - Setting pressure 2,5 bar - Peak pressure up to 21 bar - Horizontal or vertical mounting - TS: -15°C/+80°C.

4510 - AIT - Bronze

Bronze body - PS: 10 bar.



Ø	volume (cm³)	code	price €
1/2"	17	451002SE	
3/4"	30	451003SE	
1"	65	451004SE	
1 1/2"	250	451006SE	
2"	650	451007SE	

4515 - AIT - Stainless steel

CF8 body - PS: 12 bar.



Ø	volume (cm³)	code	price €
1/2"	17	451502	
3/4"	30	451503	
1"	65	451504	
1 1/2"	250	451506	
2"	650	451507	

4520 - AIF - Cast iron - Flanged PN16

GG25 body - With pressure gauge - PS: 12 bar.



DN	volume (cm³)	code	price €
80	2465	452008	
100	5535	452009	

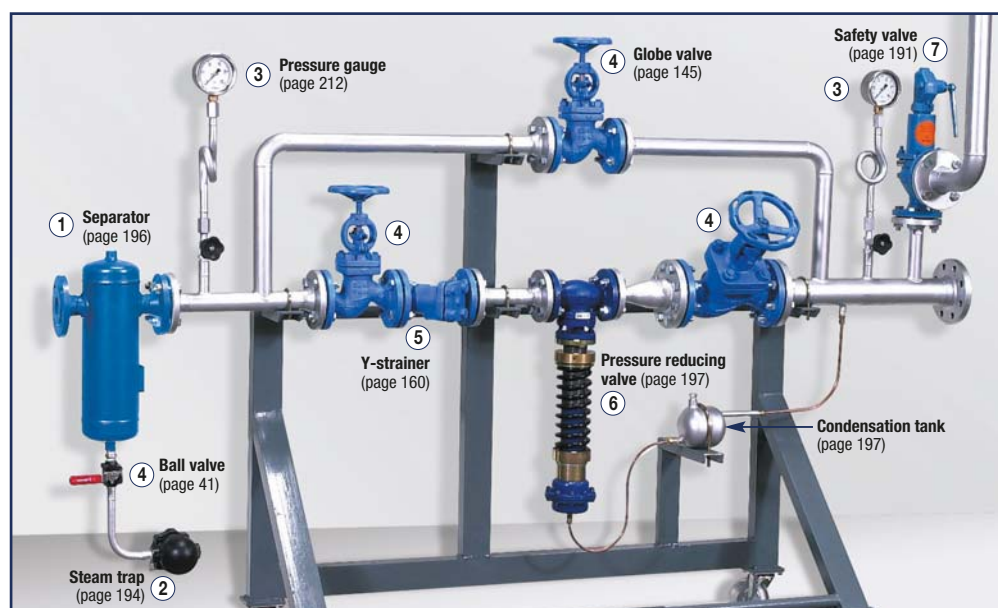
Spare pressure gauge for 4520

Stainless steel case - 1/8".

code	price €
981680	

Steam equipment

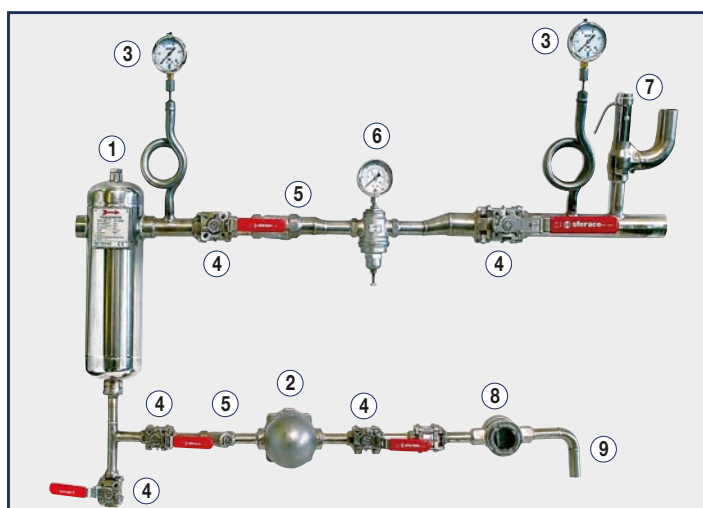
The pressure reducing station



- 1 The **Separator** drains continuously the condensate from the steam pipes upstream the pressure reducing station.
- 2 The **Steam Trap** eliminates the condensate drained by the separator.
- 3 The **Pressure Gauges**, mounted over coil siphons, measure the pressure upstream and downstream. They allow the right setting of the pressure reduction process.
- 4 The isolating valves (**Ball Valves** or **Globe Valves**) allow the isolation and the bypass of the pressure reducing valve.

Stainless steel pressure reducing station

- 1 Separator SPR 25 inox (page 196)
- 2 Steam trap SK 61 (page 194)
- 3 Pressure gauges (page 212)
- 4 Ball valves 747 XS (page 41)
- 5 Y-strainer 230 (page 160)
- 6 Pressure reducing valve PRV-S (page 197)
- 7 Safety valve 2863 (page 190)
- 8 Spring check valve 380 (page 154)
- 9 Sight glass SKT 9 (page 203)



- 5 The **Y-Strainers** protect the pressuredreducing valves and the steam traps from the damages produced by solid particles.
- 6 The **Pressure Reducing Valve** (PRV) allows regulating and stabilizing the downstream pressure of the steam.
- 7 The **Safety Valve** protects from hazardous situations due to overpressure.
- 8 The **Check Valve** prevents the backflow of the condensate.
- 9 The **Sight Glass** helps checking that the steam trap works properly.

STEAM Steam traps

3.1
see p. 22

■ Float

SK 51 - Ductile iron - PN16

Excluded from 2014/68/EU Directive (art. 4, §3) - GGG40.3 body - Stainless steel mechanism - PS: 16 bar - TS: +250°C - Built-in thermostatic air eliminator - Horizontal mounting on stock - Vertical mounting on request (25 €/pc).

Threaded

Ø	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
1/2"	122	151040	151041	151042	
3/4"	122	151050	151051	151052	
1"	145	151060	151061	151062	

Flanged RF PN16

DN	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
15	150	150915	150916	150917	
20	150	150920	150921	150922	
25	160	150925	150926	150927	

SK 55 - Ductile iron - PN16 - Tempered sight glass

2014/68/EU Directive n°0408 - Risk category I - GGG40.3 body - Stainless steel mechanism - Tempered borosilicate sight glass - PS: 16 bar - TS: +250°C - Built-in thermostatic air eliminator - Horizontal mounting on stock - Vertical mounting on request (25 €/pc).



Flanged RF PN16

DN	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
32	230	151840	151841	151842	
40	230	151850	151851	151852	
50	230	151860	151861	151862	

SK 70 - Carbon steel - PN25

Excluded from 2014/68/EU Directive (art. 4, §3) - A216WCB body - Stainless steel mechanism - PS: 25 bar - TS: +250°C - Built-in thermostatic air eliminator - Horizontal mounting on stock - Vertical mounting on request (25 €/pc).

Threaded

Ø	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
1/2"	122	151460SE	151461	151462	
3/4"	122	151465	151466	151467	
1"	145	151470SE	151471	151472	

Flanged RF PN25

DN	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
15	150	151480SE	151481	151482	
20	150	151485SE	151486	151487	
25	160	151490SE	151491	151492	

SK 61 - Stainless steel - PN25

Excluded from 2014/68/EU Directive (art. 4, §3) - CF8M body - Stainless steel mechanism - PS: 25 bar - TS: +250°C - Built-in air eliminator - Horizontal mounting on stock - Vertical mounting on request (25 €/pc).

Threaded

Ø	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
1/2"	122	151315	151316	151317	
3/4"	122	151320	151321	151322	
1"	145	151325	151326	151327	

Flanged RF PN25

DN	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
15	150	151332	151333	151334	
20	150	151340	151341	151342	
25	160	151350	151351	151352	

■ Closed free float

SFK 40 - Ductile iron - PN16

Excluded from 2014/68/EU Directive (art. 4, §3) - GGG40.3 body - Stainless steel mechanism - PS: 16 bar - TS: +220°C - Built-in filter & thermostatic air eliminator - Horizontal mounting.

Threaded

Ø	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
1/2"	120	150204	150208	150209	
3/4"	120	150214	150218	150219	
1"	120	150225	150228	150229	

Flanged PN16

DN	face to face (mm)	Δp 4,5 bar	Δp 10 bar	Δp 14 bar	price €
		code	code	code	
15	150	150244	150248	150249	
20	150	150254	150258	150259	
25	160	150264	150268	150269	



NEW

SFK 61 - Stainless steel - PN 25

Excluded from 2014/68/EU Directive (art.4§3) - CF8M body - Stainless steel mechanism - PS: 25 bar - TS: +220°C.

Threaded

Ø	face to face (mm)	Δp 4,5 bar code	Δp 10 bar code	Δp 14 bar code	price €
1/2"	120	150304	150308	150309	
3/4"	120	150314	150318	150319	
1"	120	150324	150328	150329	

Flanged PN16

DN	face to face (mm)	Δp 4,5 bar code	Δp 10 bar code	Δp 14 bar code	price €
15	150	150344	150348	150349	
20	150	150354	150358	150359	
25	160	150364	150368	150369	

Reversed open float

BT 16 - Ductile iron - PN16

Excluded from 2014/68/EU Directive (art. 4, §3) - GGG40.3 body - Stainless steel mechanism - PS: 16 bar - TS: +220°C - Built-in filter - Horizontal mounting.

Threaded

Ø	face to face (mm)	Δp 5,4 bar code	Δp 8,5 bar code	Δp 15,5 bar code	price €
1/2"	127	150504	150508	150512	
3/4"	127	150514	150518	150522	
1"	127	150524	150528	150532	



Option for float steam traps

MI SK - Float steam trap insulation jacket

Threaded

Ø	1/2"	3/4"	1"
code	181001	181002	181003
price €			

Flanged

DN	15	20	25	32	40	50
code	181004	181005	181006	181007	181008	181009
price €						



Thermostatic

TKK 2Y - Carbon steel

A105 body - Stainless steel mechanism - Built-in strainer - Thermostatic capsule in hastelloy and stainless steel - PS: 32 bar - Max. ΔP: 22 bar - TS: +250°C - Horizontal mounting.

Threaded

Ø	face to face (mm)	code	price €
1/2"	95	151504	
3/4"	95	151505	
1"	95	151506	



Flanged RF PN40

DN	face to face (mm)	code	price €
15	150	151615	
20	150	151620	
25	160	151625	



TKK 42 - Stainless steel

F304 body - Built-in strainer - PS: 32 bar - Max. ΔP: 21 bar - TS: +240°C.

Threaded

Ø	face to face (mm)	code	price €
1/4"	65	152202	
3/8"	65	152203	
1/2"	65	152204	
3/4"	65	152205	
1"	65	152206	



NEW

HTT 6 - Stainless steel

316L body - Clamp 304. Thermostatic capsule in Hastelloy. PS: 10 bar - TS: 165°C - Vertical mounting.

DN	face to face (mm)	code	price €
50,5	61	152306	



TKK 11 - Brass - Angle

CW617N body - Stainless steel mechanism - Built-in strainer - PS: 10 bar - TS: +200°C.

Threaded

Ø	code	price €
1/2"	152504	



TKK 61 - Brass - Straight

CW617N body - Stainless steel mechanism - Built-in strainer - PS: 10 bar - TS: +200°C.

Threaded

Ø	face to face (mm)	code	price €
1/2"	76	152604	



STEAM

Vacuum breakers

VK 70 - Brass - PN16

TS: +260°C - Air intake 1/8".

Ø	code	price €
1/2"	981405	



VK 71 - Stainless steel - PN25

TS: +400°C - Air intake 1/8".

Ø	code	price €
1/2"	981400	



■ Bi-metallic

TK 1 - Carbon steel

A105 body - Stainless steel mechanism - Built-in strainer and check valve - Possible adjustment of discharge capacity and condensate temperature - PS: 32 bar - Max. ΔP : 22 bar - TS: +250°C - Horizontal or vertical mounting.

Threaded

Ø	face to face (mm)	code	price €
1/2"	95	153604	
3/4"	95	153605	
1"	95	153606	

Flanged RF PN40

DN	face to face (mm)	code	price €
15	150	154015	
20	150	154020	
25	160	154025	

■ Thermodynamic

TDK 45 - Carbon steel

A105 body - Stainless steel mechanism - Built-in Y-strainer - Downstream max. back pressure: 80% of the upstream pressure - PS: 32 bar - TS: +400°C - Horizontal mounting.

Threaded

Ø	face to face (mm)	code	price €
1/2"	95	153004	
3/4"	95	153005	
1"	95	153006	

Flanged RF PN40

DN	face to face (mm)	code	price €
15	150	153115	
20	150	153120	
25	160	153125	

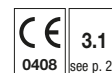
TDK 71 - Stainless steel

A743 body - Built-in Y-strainer - Downstream max. back pressure: 80% of the upstream pressure - PS: 42 bar - TS: +400°C - Horizontal mounting.

Threaded

Ø	face to face (mm)	code	price €
1/2"	78	153304	
3/4"	90	153305	
1"	95	153306	

STEAM Separators



SPR 25 - Threaded

Excluded from 2014/68/EU (art. 4, §3) - For steam & compressed air - F304 or carbon steel body - PS: 20 bar - TS: +250°C.

Ø	face to face (mm)	Ø event	Ø drainer	stainless steel code	price €	carbon steel code	price €
1/2"	120	1/2"	1/2"	1560002		1560102	
3/4"	150	1/2"	1/2"	1560003		1560103	
1"	160	1/2"	1/2"	1560004		1560104	

SPR 40 - Flanged PN40

2014/68/EU Directive N°0408 - Risk Category III / module H1 - For steam & compressed air - Carbon steel body - Steam, PS: 32 bar / TS: +250°C - Compressed air, PS: 40 bar / TS: +20°C.

DN	face to face (mm)	Risk category	volume (l)	Ø event	Ø drainer	code	price €
15	180	art. 4, §3	1,5	1/2"	1/2"	1560A015	
20	230	art. 4, §3	2,9	1"	1/2"	1560A020	
25	230	art. 4, §3	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	

STEAM Air vents

PF 20 - Cast iron

PS: 10 bar - TS: +120°C.

Ø	code	price €
3/4"	PF20	

HA 51 - Ductile iron

GGG40 body - Stainless steel mechanism - Horizontal mounting - Face to face: 122 mm - PS: 16 bar - TS: 250°C.

Ø	code	price €
1/2"	154604	
3/4"	154605	

HA 62 - Stainless steel

CF8M body - Stainless steel mechanism - PS: 14 bar - TS: -10°C/+200°C.

Ø	code	price €
3/4"	154810	

HA 52 - Ductile iron

GGG40 body - Stainless steel mechanism - Vertical mounting - PS: 14 bar - TS: -10°C/+200°C.

Ø	code	price €
3/4"	154805	

STEAM Pressure reducing valves

3.1
see p. 22



BDV 25 - Ductile iron

For steam, compressed air & other gas - GGG40.3 body PN25 - Stainless steel mechanism - Built-in strainer - Locking device - PS: 18 bar - TS: +200°C - Max. flow ratio: 10/1 - Horizontal mounting.

Threaded (BSP) Downstream pressure range

Ø	face to face (mm)	0,14 - 1,7 bar	1,4 - 4 bar	3,5 - 8,6 bar	price €
1/2"	83	158041A	158042A	158043A	
3/4"	96	158051A	158052A	158053A	
1"	108	158061A	158062A	158063A	



PRV-S - Stainless steel

CF8M body - FKM/PTFE tightness - PS: 9 bar - TS: +180°C - Supplied with Ø 63 dry pressure gauge indicating the downstream pressure.

Threaded (BSP) Downstream pressure range

Ø	face to face (mm)	weight (kg)	1 - 6 bar	4 - 9 bar	price €
1/2"	70	0,80	158101	158102	
3/4"	85	1,00	158111	158112	
1"	92	1,05	158121	158122	



Flanged PN16

Downstream pressure range

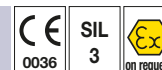
DN	face to face (mm)	weight (kg)	1 - 6 bar	4 - 9 bar	price €
15	155	2	158301	158302	
20	155	3	158311	158312	
25	155	5	158321	158322	

RD10 - Ductile Iron - Flanged RF PN16

2014/68/EU Directive N°0036 - Risk Category I - For steam, air, water & all compatible fluids - Flanged RF PN16 - EN 558 series 1 (DIN 3202 F1) - GGG40.3 body - F304 mechanism & bellow - EPDM membrane.

⚠ Not suitable for gas from group 1 - Saturated steam use: PS: 15 bar / TS: +200°C.

⚠ Sizing and actuating depend on actual working conditions (medium, temperature, pressure, flow). Please, consult for an appropriate offer.



DN	face to face (mm)	Kv (m³/h)	Downstream pressure range		
			AR265 0,4 - 1 bar	AR205 0,9 - 1,8 bar	AR150 1,7 - 3 bar
			code price €	code price €	code price €
15	130	5	159015009	159015018	159015030
20	150	6,5	159020009	159020018	159020030
25	160	11	159025009	159025018	159025030
32	180	14,5	159032009	159032018	159032030
40	200	30	159040009	159040018	159040030
50	230	40	159050009	159050018	159050030
65	290	58	159065009	159065018	159065030
80	310	78	159080009	159080018	159080030
100	350	128	159091009	159091018	159091030

DN	face to face (mm)	Kv (m³/h)	Downstream pressure range		
			AR120 2,8 - 5 bar	AR100 4,8 - 7 bar	AR085 7,8 - 15 bar
			code price €	code price €	code price €
15	130	5	159015050	159015070	159015140
20	150	6,5	159020050	159020070	159020140
25	160	11	159025050	159025070	159025140
32	180	14,5	159032050	159032070	159032140
40	200	30	159040050	159040070	159040140
50	230	40	159050050	159050070	
65	290	58	159065050	159065070	
80	310	78	159080050	159080070	
100	350	128	159091050		

Condensation tank

Supplied with 3/8"-1/4" connection for 10 mm pipes.

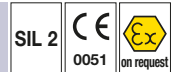
DN	code	price €
1/4"	159001	



Automatic solenoid valves

GAS

Excluded from 2014/68/EU Directive (art. 1, §1) - 2016/426 Regulation - For natural gas & lpg - Normally closed - Aluminium body - Closing time < 1 s - IP65 coil - PS: 360 mbar - TS: -20°C/+60°C.



EVP - 500 mbar - 360 mbar

Built-in filter cartridge 50 µm for DN65 to 100 - Construction acc. to EN 161.

DN	face to face (mm)	PS (mbar)	230V AC		24V AC		price €
			power VA	code	power VA	code	
BSP							
1/2"	70	500	30/9	092402C	27/7	092412C	
3/4"	70	500	30/9	092403C	27/7	092413C	
1"	70	500	55/16	092404C	45/11	092414C	
1"1/4	160	360	55/16	092405B	47/13	092415B	
1"1/2	160	360	55/16	092406B	47/13	092416B	
2"	160	360	55/16	092407B	47/13	092417B	
Flanged RF PN16							
50	230	360	55/16	092302M	47/13	092312M	
65*	290	360	290/75	092303M	185/50	092313M	
80	310	360	290/75	092304M	185/50	092314M	
100	350	360	270/70	092305M	130/40	092315M	

* 4 hole flanges.

EVPT - 360 mbar - Slow opening

Adjustable opening time: 0,5 to 30 s.

DN	face to face (mm)	230V AC		price €
		power VA	code	
BSP				
1/2"	70	54/18	092602M	
3/4"	70	54/18	092603M	
1"	70	54/18	092604B	

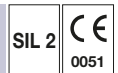
Spare coils for EVP solenoid valves

DN	230V AC code	24V AC code	24V DC code	price €
1/2"-3/4"	980967M	980968M	980970M	
1"	980881	980884	980886	
1 1/4"-2"	980882	980981	980982	
65-80	980949M	980954M	980964M	
100	980950M	980955M	980965M	

not on stock, on request.

GAS

2014/68/EU Directive N°0051 - 2016/426 Regulation - For methane, natural gas, lpg - Aluminium body - Closing time < 1 s - IP65 coil - PS: 6 bar - TS: -20°C/+60°C.



EV-6 - 6 bar

Normally closed - Construction acc. to EN 161.

DN	face to face		230V AC	
	(mm)	power VA	code	price €
BSP				
1/2"	70	30/9	092502M	
3/4"	70	30/9	092503M	
1"	70	30/9	092504M	
1"1/4	160	55/15	092505M	
1"1/2	160	55/15	092506M	
2"	160	55/15	092507M	
Flanged RF PN16				
65*	290	105/29	092508M	
80	310	105/29	092509M	
100	350	124/36	092510M	

* 4 hole flanges.

EVA-6 - 6 bar

Normally open.

Ø	face to face (mm)	230V AC	24V AC	24V DC	price €
		code	code	code	
BSP					
1/2"	70	092652	092662	092672	
3/4"	70	092653	092663	092673	
1"	70	092654	092664	092674	
1 1/4"	160	092655	092665	092675	
1 1/2"	160	092656	092666	092676	
2"	160	092657	092667	092677	

Solenoid valves with manual resetting

GAS

2014/68/EU Directive N°0497 - Risk category II / module D1 - 2016/426 Regulation - Construction acc. to EN 161 - Gas flow shut-off in case of lack of current - Manual reset - Normally closed - Aluminium body (except brass body for 1/2" to 1" for working pressure 6 bar) - TS: -20°C/+60°C - Built-in filter cartridge 50 µm for DN65 to 200 - IP 65 coil - Horizontal mounting solenoid coil on the top - Closing time < 1 s - Built-in short anti-disconnection device.



M14/RM / M16/RM - Gas (natural gas & lpg)

		Working pressure 500 mbar				Working pressure 6 bar					
DN	face to face (mm)	230V AC		24V AC		price €	230V AC		24V AC		price €
		power VA	code	power VA	code		power VA	code	power VA	code	
BSP											
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	092804B	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		
Flanged RF PN16											
50	230	9	092902M	8	092912M	9	092108M	8	092128M		
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	20	092134M		

* 4 hole flanges.

■ Pressure reducing valves with built-in filter

GAS

2014/68/EU Directive N°0497 - Risk category II / module D1 - 2016/426 Regulation - According to EN 88-2 - ATEX cat. II 2G/D for zones 1, 2, 21 & 22 - Aluminium body - Upstream built-in filter 50 µm - Built-in pressure connections.



FRG 2MC - 1 bar

For non aggressive gases - PS: 1 bar - TS: -15°C/+60°C.



DN	face to face (mm)	max. flow (Nm³/h)	downstream pressure setting range (mbar)										price €
			range	code	range	code	range	code	range	code	range	code	
BSP													
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	190-400	094047M	
1"1/2	160	136	13-23	094008M	20-36	094018M	55-100	094028M	90-190	094038M	190-400	094048M	
2"	160	212	13-23	094009M	20-36	094019M	55-100	094029M	90-190	094039M	190-400	094049M	
Flanged RF PN16													
65	290	358	13-27	094010M	22-58	094020M	50-130	094030M	110-200	094040M	200-600	094050M	
80	310	543	13-27	094011M	22-58	094021M	50-130	094031M	110-200	094041M	200-600	094051M	
100	350	848	15-27	094012M	27-55	094022M	50-130	094032M	130-200	094042M	200-600	094052M	

not on stock, on request.

FRG 2MCS - 5 bar

For non aggressive gases - Shut-off in case of upstream over-pressure or pressure drop - With air vent - PS: 5 bar - TS: -20°C/+60°C.



Ø	face to face (mm)	max. flow (Nm³/h)	downstream pressure setting range (mbar)	code	price €
1/2"	120	90	20-30	094104M	
3/4"	120	90	20-30	094105M	
1"	120	90	20-30	094106M	

■ Filters

GAS

2014/68/EU Directive N°0497 - Risk category II / module D1 - 2016/426 Regulation - According to EN 126 - Impurities filtering - 50 µm filtering for 1/2" to DN100, 10 µm above - Aluminium body - Upstream pressure connection - PS: 2 bar or 6 bar - TS: -40°C/+70°C.



FM - Gas filter



DN	face to face (mm)	PS 2 bar		PS 6 bar	
		code	price €	code	price €
BSP					
1/2"	120	095004M		095104M	
3/4"	120	095005M		095105M	
1"	120	095006M		095106M	
1"1/4	160	095007M		095107M	
1"1/2	160	095008M		095108M	
2"	160	095009M		095109M	
Flanged RF PN16					
50	160	095505M		095515M	
65*	290	095506M		095516M	
80	310	095507M		095517M	
100	350	095508M		095518M	
125	480	095509B		095519B	
150	480	095510B		095520B	
200	600	095511M		095521M	
300	737	095512M		095522M	

* 4 hole flanges.

not on stock, on request.

■ Accessories

PGRF - Pressure switch

Aluminium body - Transparent plastic cover IP54 - Setting knob - Switch-off power 250V AC / 6A - 1/4" BSP threaded - Includes electric connector T30 - PS: 690 mbar - TS: 0°C/+85°C.



type	max. Δp (mbar)	code	price €
5-150 mbar	≤ 5	436002N	
100-500 mbar	≤ 15	436003N	

CP - Stop punch

Solenoid shutt-off valve - 3A-240V shutt-off - IP67.



code	price €
098301	

COMPRESSED AIR Air treatment

Aluminium alloy body & bowl - Pressure range: 0,5-10 bar - Regulator accuracy: 0,2 bar - Standard filtration: 5 µm - Max. flow: 2080 l/min for 1/4", 2100 l/min for 3/8", 2600 l/min for 1/2". PS: 10 bar - TS: -10°C/+60°C (except for 1735: 0°C/+50°C).



1730 - Filter regulator NUF + Lubricator NUL

With pressure gauge & bracket.

Ø	code	price €
1/4"	173012	
3/8"	173013	
1/2"	173014	



1732 - Filter NUF + Regulator NUR + Lubricator NUL

With pressure gauge & bracket.

Ø	code	price €
1/4"	173212	
3/8"	173213	
1/2"	173214	



1731 - Filter regulator NUF

With pressure gauge & bracket.

Ø	code	price €
1/4"	173112	
3/8"	173113	
1/2"	173114	



1733 - Regulator NUR

With pressure gauge & bracket.

Ø	code	price €
1/4"	173302	
3/8"	173303	
1/2"	173304	



1734 - Filter NUF

Ø	code	price €
1/4"	172412	
3/8"	172413	
1/2"	172414	



1735 - Lubricator NUL

Ø	code	price €
1/4"	172612	
3/8"	172613	
1/2"	172614	

Aluminium body - Polycarbonate bowl - Bowl protection: reinforced fiberglass nylon - Standard filtration: 5 µm - Regulator accuracy: 0,2 bar - PS: 0,5 to 10 bar for 1/4", 0,5 to 12 bar from 3/4" to 1" - TS: 0°C/+50°C



1700 - Filter regulator UFR + Lubricator UL

With pressure gauge & bracket.

Ø	code	price €
3/4"	170005	
1"	170006	



1705 - Filter UF + Regulator UR + Lubricator UL

With pressure gauge & bracket.

Ø	code	price €
3/4"	170505	
1"	170506	



1720 - Filter regulator UFR

With pressure gauge & bracket.

Ø	code	price €
3/4"	172005	
1"	172006	



1721 - Filter UF 40 µm

With bracket.

Ø	code	price €
3/4"	172105	
1"	172106	



1725 - Regulator UR

With pressure gauge & bracket.

Ø	code	price €
3/4"	172505	
1"	172506	



1726 - Lubricator UL

With bracket.

Ø	code	price €
3/4"	172605	
1"	172606	



1760 - Filter regulator FR 500

40 µm filtration - With pressure gauge & bracket.

DN	code	price €
1/4"	176002	



1740 - Filter regulator FR 500 + Lubricator L 600

With pressure gauge & bracket.

DN	code	price €
1/4"	174002	



1762 - Regulator R200

With pressure gauge Ø 40 - PS: 0,5 to 8 bar.

Ø	code	price €
1/4"	176202	



1727 - Condensate automatic drain with float AD 940

Ø	code	price €
1/2"	172704	

For compressed air or nitrogen - Low sensitivity to upstream pressure variations - Regulator accuracy: ±0,5% - Supplied with pressure gauge & bracket - PS: 10 bar - TS: -5°C/+60°C.



1764 - Precision regulator UR-P

Ø	pressure gauge	code	price €
1/4"	0,1 - 4 bar	176402	
1/4"	0,05 - 2 bar	176412	

COMPRESSED AIR Filtration

Epoxy-coated aluminium body - Interior anti-corrosion treatment - Threaded connections - Clogging indicator pressure gauge - Automatic air vent with float - PS: 16 bar - TS: +5°C/+50°C.

S-AIR - Filter with cartridge



filtration		pre-filtration grade X3 3 µm	micronic filtration grade X1 1 µm	submicronic filtration grade XA 0,01 µm	active carbon filtration grade XAC 0,003 mg/m³	
air quality acc. to ISO 8573.1		Class 3	Class 2	Class 1	Class 1	
filtration medium		borosilicate microfibers			active carbon	
initial head loss		0,03 bar	0,05 bar	0,09 bar	0,1 bar	
Ø	flow at 7 bar (m³/h)	code	code	code	code	price €
1/2"	82	178X302	178X102	178XA02	178XAC02	
3/4"	127	178X303	178X103	178XA03	178XAC03	
1"	212	178X304	178X104	178XA04	178XAC04	
1 1/2"	549	-	178X106	178XA06	178XAC06	
2"	828	-	178X107	178XA07	178XAC07	
2 1/2"	1070	-	178X108	178XA08	178XAC08	

CAR - Cartridge for S-AIR



filtration		pre-filtration grade X3 3 µm	micronic filtration grade X1 1 µm	submicronic filtration grade XA 0,01 µm	active carbon filtration grade XAC 0,003 mg/m³	
Ø	flow at 7 bar (m³/h)	code	code	code	code	price €
1/2"	82	178E12X3	178E12X1	178E12XA	178E12XAC	
3/4"	127	178E18X3	178E18X1	178E18XA	178E18XAC	
1"	212	178E30X3	178E30X1	178E30XA	178E30XAC	
1 1/2"	549	-	178E80X1	178E80XA	178E80XAC	
2"	828	-	178E105X1	178E105XA	178E105XAC	
2"	1070	-	178E150X1	178E150XA	178E150XAC	

COMPRESSED AIR Drain valves

T-DRAIN - Programmable drain (BSP)

Built-in upstream filter - Opening frequency from 1 to 60 mn - Opening time: 2,4 or 6 s - Max. condensate flow: 40 l/h - Electric supply 230V AC - Supplied with connector - Upstream connection: 1/2" M - Downstream connection: 3/8" M & hose Ø10 - Test function - Horizontal or vertical mounting - PS: 16 bar - TS: +60°C.



max. flow (m³/h)			code	price €
compressor	dryer	filter		
3600	7200	36000	420050	

T20 - Temporised drain (BSP)

Electric supply 230V AC - 2 m wire - 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 - PS: 16 bar - TS: +90°C.



code	price €
421020	

LD100 - Compact capacitive drain (BSP)

Built-in tank with electronic float - Built-in filter - Electric supply 230V AC - Connector PG9 - Test function - Horizontal mounting - PS: 0,2-16 bar - TS: +60°C.



max. flow (m³/h)			upstream connection	downstream connection	code	price €
compressor	dryer	filter				
180	180	1800	1/2"-3/4"M	3/8"M	420010	

maintenance set	
code	price €
980250	

LOGI-DRAIN - Capacitive drain (BSP)

Built-in tank with electronic float - Built-in filter - Electric supplied LED - Drain LED - Dysfunction alarm - Electric supply 230V AC - Connector PG9 - Test function - Horizontal mounting only - PS: 0,2-16 bar - TS: +60°C.



max. flow (m³/h)			upstream connection	downstream connection	code	price €
compressor	dryer	filter				
378	756	3780	1/2"-3/4"M	3/8"M	420012	
450	900	4500	1/2"-3/4"M	3/8"M	420011	
900	1800	9000	1/2"-3/4"M	3/8"M	420020	
1800	3600	18000	1/2"-3/4"M	3/8"M	420022	
9500	19000	95000	1/2"-3/4"M	3/8"M	420023	

maintenance set	
code	price €
-	
980250	
980251	
980251	
980252	

not on stock, on request.

Sight glasses

2205 - NAC - Brass

Brass body - Brosilicate glass - FKM gasket - All positions - PS: 10 bar - TS: +5°C/+70°C.



Ø	face to face (mm)	code	price €
1/4"	70	220500SE	
3/8"	70	220501	
1/2"	80	220502	

2210 - C 156 - Brass - With fins

CB754S body - Unidirectional use - Polycarbonate dome - Plastic fins - For polycarbonate compatible clear fluids - PS: 6 bar - TS: +10°C/+70°C.



Ø	face to face (mm)	code	price €
1/2"	80	221004	

2211 - C 158 - Brass - With ball

CB754S body - Moplen ball - Tempered glass - One-way horizontal use only - PS: 16 bar - TS: +5°C/+80°C.



Ø	face to face (mm)	code	price €
1/2"	97	221104	
3/4"	100	221105	
1"	103	221106	



2215 - C 161 - Brass - Double glass with ball

CB754S body (1/2" to 1") - Bronze CC491K body (1"1/4 to 2") - Moplen ball - Double tempered glass - Horizontal mounting - PS: 16 bar - TS: +5°C/+80°C.



Ø	face to face (mm)	code	price €
1/2"	95	221504	
3/4"	100	221505	
1"	107	221506	
1"1/4	126	221507	
1"1/2	137	221508	
2"	170	221509	



2220 - SKT 6 - Cast iron - With flapper

GGG40 body - F304 flapper - Double tempered glass - PS: 16 bar - TS: -10°C/+180°C.



Ø	face to face (mm)	code	price €
1/2"	75	222004	
3/4"	90	222005	
1"	90	222006	
1"1/4	120	222007	
1"1/2	120	222008	
2"	140	222009	



2225 - C 164 - Cast iron - With steady baffles - Flanged PN16

GG25 body - Double tempered glass - PS: 16 bar - TS: +5°C/+180°C.



DN	face to face (mm)	code	price €
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.

STEAM

2230 - USV - Carbon steel - With steady baffles

A105 body & baffle - Double borosilicate glass - PS: 40 bar up to 3/4", 20 bar above - TS: -25°C/+300°C.



Ø	face to face (mm)	code	price €
1/2"	90	223004	
3/4"	90	223005	
1"	100	223006	

STEAM

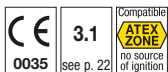


2235 - USV - Carbon steel - With steady baffles - Flanged PN40

A105 body - Double borosilicate glass - PS: 40 bar up to DN20, 20 bar above - TS: -25°C/+300°C.



DN	face to face (mm)	code	price €
15	130	2235015	
20	150	2235020	
25	160	2235025	
32	180	2235032	
40	200	2235040	

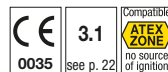


2240 - SKT 9 - Stainless steel - With flapper (BSP)

CF8M body & flapper - Double tempered glass -
One-way use only - Not for downward-flow -
PS: 16 bar - TS: -20°C/+180°C.



Ø	face to face (mm)	code	price €
1/2"	105	224004A	
3/4"	105	224005A	
1"	110	224006A	
1 1/4"	125	224007A	
1 1/2"	135	224008A	
2"	170	224009A	



2245 - SKB 2 - Stainless steel - With flapper - Flanged PN16

CF8M body & flapper - Double tempered glass -
One-way use only - Not for downward-flow -
PS: 16 bar - TS: -20°C/+180°C.



DN	face to face (mm)	code	price €
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.

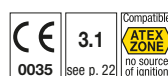


2238 - SKT 9 NPT - Stainless steel - With flapper (NPT)

CF8M body & flapper - Double tempered glass -
One-way use only - Not for downward-flow -
PS: 16 bar - TS: -20°C/+180°C.



Ø	face to face (mm)	code	price €
1/2"	105	223804	
3/4"	105	223805	
1"	110	223806	
1 1/2"	135	223808	
2"	170	223809	



2246 - SKB 2 ANSI - Stainless steel - With flapper - Flanged ANSI 150

CF8M body & flapper - Double tempered glass -
One-way use only - Not for downward-flow -
PS: 16 bar - TS: -20°C/+180°C.



DN	face to face (mm)	code	price €
15	130	2246015	
20	130	2246020	
25	170	2246025	
40	200	2246040	
50	220	2246050	
80	270	2246080	
100	320	2246100	
150	420	2246102	



2241 - NAW 2 - Stainless steel - With rotor (BSP)

CF8M body - Tempered glass dome - PP rotor -
PS: 16 bar - TS: -5°C/+80°C.

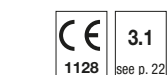
Ø	face to face (mm)	code	price €
1/4"	76	224100	
3/8"	76	224101	
1/2"	76	224102	
3/4"	89	224103	
1"	89	224104	



2242 - NAM - Stainless steel - With rotor (BSP)

CF8M body - Tempered glass pipe -
POM rotor - PS: 16 bar - TS: -5°C/+100°C.

Ø	face to face (mm)	code	price €
1/4"	73	224200	
3/8"	73	224201	
1/2"	106	224202	
3/4"	106	224203	
1"	106	224204	



2243 - FW12 - Stainless steel - With rotor (BSP)

CF8M body - Double tempered glass -
White ABS rotor - PS: 10 bar - TS: -10°C/+70°C -
Not suitable for gas from group 1.



Ø	face to face (mm)	code	price €
1/2"	100	224304	
3/4"	100	224305	
1"	109	224306	
1 1/4"	109	224307	
1 1/2"	150	224308	
2"	150	224309	



4SMSIC - Stainless steel (BW SMS BW)

F316L body - Silicone seat - PS: 10 bar -
TS: -30°C/+200°C - For food industry.

DN	face to face (mm)	code	price €
25	150	4SMSIC25	
38	158	4SMSIC38	
51	162	4SMSIC51	
63	162	4SMSIC63	
76	164	4SMSIC76	
104	170	4SMSIC104	

Clamp sight glass, see p.298



Level gauges



L 138 - Brass set

CW614N body - Silicone tightness - PS: 10 bar - TS: +90°C.

⚠ Does not include pipe.

Ø	pipe Ø	code	price €
3/8"	13	2310313	
1/2"	16	2310416	



L 146 - Level gauge

CW614N brass body - Plexiglass pipe - PS: 10 bar - TS: +90°C.

Ø	height (mm)	code	price €
1/4"	100	2309210	
3/8"	150	2309315	
1/2"	200	2309420	
1/2"	300	2309430	



L 135 - Brass set with valves

CW614N brass body - Needle valves - Silicone gaskets - PS: 10 bar - TS: +90°C - Pipe length: centre distance minus 15 mm.

⚠ Does not include pipe.

Ø	pipe Ø	code	price €
3/8"	13	2311313	
1/2"	13	2311413	
1/2"	16	2311416	
3/4"	20	2311520	



T 154 - Plexiglass pipe

1000 mm length - PS: 10 bar - TS: +90°C.

pipe Ø	code	price €
13	23181310	
16	23181610	
20	23182010	



151 - Fitting for L135 or T154

Ø	pipe Ø	code	price €
1/2"	13	2317413	
1/2"	16	2317416	
3/4"	18	2317518	
3/4"	20	2317520	



2319 - Brass U protection pipe

1000 mm length.

pipe Ø	code	price €
13	23191310	
16	23191610	
20	23192010	



2312 - Stainless steel set

F316 body - Needle valve & drainer cap - FKM & PTFE gaskets - Sleek pipe - PS: 16 bar - TS: -50°C/+200°C. - Pipe length: centre distance minus 28 mm for Ø14 and Ø16, center distance minus 70 mm for Ø24, center distance minus 36 mm for Ø20.

⚠ Does not include pipe.

Ø	pipe Ø	code	price €
3/8"	14	23125314N	
1/2"	14	23125414N	
1/2"	16	23125416N	
1/2"	24	23125424N	
1"	20	23125620N	

■ not on stock, on request.



2314 - Glass pipe

Pyrex® glass - 1500 mm length - PS: 10 bar - TS: +500°C.

pipe Ø	thickness (mm)	code	price €
13	2,2	23141315	
14	2,2	23141415	
15	2,5	23141515	
16	2,5	23141615	
20	2,5	23142015	
24	2,5	23142415	

Glass pipe cutting

code	price €
99DECTUB	

Special packaging

code	price €
EMBTUB	

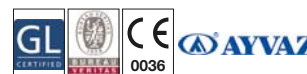


MG 33 - Stainless steel magnetic Flanged PN16

Stainless steel body & float - Aluminium scale - Plexiglas glass - Stainless steel bottom flanged drain cap - Min. fluid density: 1 +/- 5% - PS: 10 bar - TS: +160°C.

DN	length (mm)	code	price €
20	800	23201080	
20	1 000	23201100	
20	1 200	23201120	
20	1 500	23201150	
20	2 000	23201200	

■ not on stock, on request.



Bistable switch

To be mounted on lateral rail gauge.

code	price €
2328001	

Spare float

code	price €
981200	



2315 - NX - Carbon steel valves

Flanged PN40 - A105 body - Set of upper/lower valves & drainage valve - Plug valve - Graphite tightness - For level gauge box with Ø 16 pipes - PS: 40 bar - TS: -25°C/+425°C.

DN	code	price €
15	2315SUPINFBR15	
20	2315SUPINFBR20	
25	2315SUPINFBR25	

Spare Ø16 sleek pipes

for RBF & TMF level gauges (1 piece).
Mounting: 15€/level gauge (2 pieces).

length (mm)	code	price €
35	986052	
57,5	986053	
72	986054	
100	986055	

2320 - RBF - Reflex - Carbon steel

Carbon steel body - Borosilicate reflex glass type B (DIN 7081) - Width: 34 mm - Wired graphite glass gasket & support gasket - Connection to NX valves with Ø 16 sleek pipes - Length: 60 mm - PS: 40 bar - TS: +239°C.

size	INT. min. (mm)	C (mm)	D (mm)	V (mm)	code	price €
T3	285	165	178	141	2320REFLB1T3	
T4	310	190	203	166	2320REFLB1T4	
T5	340	220	233	196	2320REFLB1T5	
T6	370	250	263	226	2320REFLB1T6	
T7	400	280	293	256	2320REFLB1T7	
T8	440	320	333	296	2320REFLB1T8	
T9	460	340	353	313	2320REFLB1T9	

size	INT. min. (mm)	C (mm)	D (mm)	V (mm)	code	price €
2xT4	515	190	406	367	2320REFLA2T4	
2xT5	575	220	466	427	2320REFLA2T5	
2xT6	635	250	526	489	2320REFLA2T6	
2xT7	695	280	586	549	2320REFLA2T7	
2xT8	775	320	666	628	2320REFLA2T8	
2xT9	815	340	706	668	2320REFLA2T9	
3xT6	900	250	789	751	2320REFLA3T6	
3xT7	990	280	879	841	2320REFLA3T7	
3xT8	1110	320	999	961	2320REFLA3T8	
3xT9	1170	340	1059	1021	2320REFLA3T9	
4xT7	1285	280	1172	1134	2320REFLA4T7	
4xT8	1445	320	1332	1294	2320REFLA4T8	
4xT9	1525	340	1412	1374	2320REFLA4T9	
5xT7	1580	280	1465	1427	2320REFLA5T7	
5xT8	1780	320	1665	1627	2320REFLA5T8	
5xT9	1880	340	1765	1727	2320REFLA5T9	
6xT8	2115	320	1998	1960	2320REFLA6T8	
6xT9	2235	340	2118	2080	2320REFLA6T9	
7xT9	2590	340	2471	2433	2320REFLA7T9	

■ not on stock, on request. Approx. 5-6 weeks.

2330 - TMF - Transparent - Carbon steel

Carbon steel body - Borosilicate transparent glass type A (DIN 7081) - Width: 30 mm - Wired graphite glass gasket & support gasket - Connection to NX valves with Ø 16 pipes - Length: 35 mm - PS: 64 bar - TS: +243°C.

size	INT. min. (mm)	C (mm)	D (mm)	V (mm)	code	price €
T5	340	220	233	196	2330TRANA1T5	
T6	370	250	263	226	2330TRANA1T6	
T7	400	280	293	256	2330TRANA1T7	

2352 - Mica protection for transparent glass

Combined with transparent glasses - According to DIN 7081 - Width: 34 mm - Thickness: 0,15-0,20 mm.

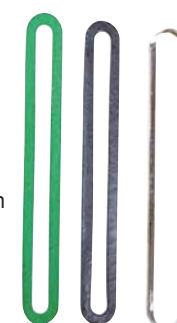
length (mm)	code	price €
115	2352901	
140	2352902	
165	2352903	
190	2352904	
220	2352905	
250	2352906	
280	2352907	
320	2352908	
340	2352909	



23509 - Borosilicate reflex glasses

According to DIN 7081 - Polyprismatic - Supplied with tightness gaskets - Fiber & graphite - Thickness: 17 mm - PS: 34 bar - TS (steam): +243°C.

length (mm)	34 mm width code	30 mm width code	price €
115	2350901F	2350911F	
140	2350902F	2350912F	
165	2350903F	2350913F	
190	2350904F	2350914F	
220	2350905F	2350915F	
250	2350906F	2350916F	
280	2350907F	2350917F	
320	2350908F	2350918F	
340	2350909F	2350919F	

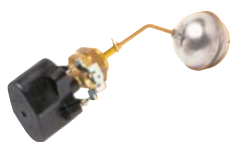


23519 - Borosilicate transparent glasses

According to DIN 7081 - Supplied with tightness gaskets - Fiber & graphite - Thickness: 17 mm - PS: 34 bar - TS (steam): +243°C.

length (mm)	34 mm width code	30 mm width code	price €
115	2351901F	2351911F	
140	2351902F	2351912F	
165	2351903F	2351913F	
190	2351904F	2351914F	
220	2351905F	2351915F	
250	2351906F	2351916F	
280	2351907F	2351917F	
320	2351908F	2351918F	
340	2351909F	2351919F	

Level switches



RL 2100 - Float

Brass body - Stainless steel float Ø 70 mm - 2 adjustable reversing switches - Breaking capacity: 250V - 1,5A - Wire outlet Ø 10 mm - PS: 6 bar - TS: +125°C.

DN	code	price €
1"	101805	



LR 201 - Stainless steel

F316 body & float - Min. liquid density: 0,6 - IP65 aluminium junction box - 1/2" BSP gland pack - Contact SPDT 230V AC/DC max. 1 A - PS: 10 bar - TS: -10°C/+120°C.

DN	code	price €
1/2"	290022	
3/4"	290023	



C4 - Stainless steel magnetic float

F316 body & float - 1 adjustable reversing switch - Breaking capacity: 250V - 1,5A - PS: 6 bar - TS: +135°C.

code	price €
101810	



LT 201 - Full stainless steel

F316 body & parts - Min. liquid density: 0,7 - IP65 aluminium junction box - 1/2" NPT gland pack - Contact SPDT 230V AC 3 A - 30V DC 3 A - Ø 40 mm float - PS: 30 bar - TS: -20°C/+150°C.

DN	code	price €
1"1/2	290106N	

Electromagnetic flowmeters



2014/68/EU Directive - Risk category I / module A - Flanged RF PN16 - Carbon steel body - Hard rubber coating - Hastelloy electrode - IP67 aluminium control box with LCD screen - Configurable M1000 amplifier - Conductivity >5 µS/cm - Possibility of bidirectional measurements - Min./max. alarm - Accuracy +/- 0,3% - Output signal 4-20mA - Power supply 92-275V AC - PS: 16 bar - TS: -20 °C/+60 °C.



M1000 - ModMAG® electromagnetic flowmeter

DN	32	40	50	65	80	100	125	150	200
code	M1000DIN32	M1000DIN40	M1000DIN50	M1000DIN65	M1000DIN80	M1000DIN100	M1000DIN125	M1000DIN150	M1000DIN200
price €									

M1000 DPT - ModMAG® electromagnetic flowmeter with offset control box

Offset control box with 5m wire.



DN	32	40	50	65	80	100	125	150	200
code	M1000DIN32DPT	M1000DIN40DPT	M1000DIN50DPT	M1000DIN65DPT	M1000DIN80DPT	M1000DIN100DPT	M1000DIN125DPT	M1000DIN150DPT	M1000DIN200DPT
price €									

 not on stock, on request.

Flow tables

DN	32	40	50	65	80	100	125	150	200
min. flow at 0,03 m/s	m³/h 0,087	0,138	0,21	0,36	0,54	0,84	1,33	1,9	3,43
	l/min 1,45	2,3	3,5	6	9	14	22,1	31,7	57,18
flow at 2,5 m/s	m³/h 7,26	11,28	17,7	29,88	45,24	70,68	110	159	283
	l/min 120	190	295	498	754	1178	1833	2650	4717
max. flow at 12 m/s	m³/h 34,74	54,3	84,84	143,34	217,14	339,3	530	763	1357

Spare earthing rings for M1000 electromagnetic flowmeter

2x 1.4301 stainless steel connecting ring + 2x earthing cables.



DN	32	40	50	65	80	100	125	150	200
code	ANNEAUT32	ANNEAUT40	ANNEAUT50	ANNEAUT65	ANNEAUT80	ANNEAUT100	ANNEAUT125	ANNEAUT150	ANNEAUT200
price €									

Flowmeters

2281 - DS - Acrylic with float & regulating valve

Acrylic plastic body - Stainless steel fittings - Nickel-plated magnetic float - Stainless steel needle valve - FKM gasket - Vertical position, upward-flow - Accuracy: +/- 5% - PS: 10 bar - TS: -10°C/+50°C.



Ø	fluid	flow	code	price €
1/8"	water	0,6-6 l/h	2280001	
1/4"	water	0,4-4 l/min	2281004SE	
1/4"	water	0,8-8 l/min	2281005SE	
1/4"	air	10-100 l/min	2281006SE	
1/4"	air	25-250 l/min	2281007SE	

Alarm contact for DS flowmeters

Adjustable on 10-80% of the range.

code	price €
986082	

2282 - P - Stainless steel with float

Stainless steel F316L body - Stainless steel float - Glass tube - FKM gasket -

l/min scale for liquid - Vertical position, upward-flow - Accuracy: +/- 2,5% - PS: 6 bar - TS: -5°C/+100°C.



Ø	flow (l/min)	L (mm)	code	price €
3/8"	0,1-1	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	

2285 - SF - With float, vertical & horizontal

Polycarbonate body - Stainless steel 316 ends, float & spring - FKM gaskets - For water - Vertical position, upward-flow / horizontal position, fluid direction: left to right - Accuracy: +/- 5% - PS: 12 bar - TS: -5°C/+60°C.



Ø	flow (l/min)	face to face (mm)	code	price €
1/2"	5-50	134	22852050	
3/4"	10-100	165,5	22853100F	
1"	15-150	165,5	22854150F	
1"1/4	20-200	175	22855200F	
1"1/2	25-250	175	22856250F	

Alarm contact for SF flowmeters

Ø	code	price €
1/2"	986080	
3/4"	986081	

2284 - MF200E - Magnetic

Stainless steel 316 body & float - IP65 -

l/h scale for liquid - Accuracy: +/- 2% -

Vertical position, upstream flow -

PS: 10 bar - TS: -40°C/+180°C.



Ø	flow (l/h)	code	price €
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	

2286 - BR250S - Magnetic - Flanged PN16

Stainless steel 316 body, float & spring - Aluminium case

IP66 - l/h scale for liquid - Accuracy: +/- 2,5% -

Supplied with alarm contact 250V AC - 5A & 30V DC -

Horizontal position, fluid direction: left to right -

PS: 16 bar - TS: -50°C/+200°C.



DN	flow (l/h)	face to face (mm)	code	price €
25	400-4000	250	228602504	
40	1000-10000	250	228604010	
50	2000-20000	250	228605020	
65	3000-30000	250	228606530	
80	4000-40000	250	228608040	
100	6000-60000	250	228610060	

Flow switch

FS 20 - Stainless steel

For liquids - Stainless steel 316 body - Micro switch contact SPDT 250V AC - 3A or 30V DC - 3A -

Electrical connection with connector DIN 43650 PG9

IP65 - PS: 70 bar - TS: -20°C/+150°C.



Ø	flow for activation	flow for de-activation	code	price €
1/2"	380-460	150-210	228701	
3/4"	550-610	140-240	228702	
1"	930-1010	750-780	228703	



Water meters

■ High flow - Woltman

Use: water distribution - Acc. to MID 2014/32/EU - Cast iron body - Flanged RF PN10/16 - Magnetic transmission - Axial helicoid - Tight dial - 1 pulse every 100l up to DN150, 1000l above - PS: 16 bar - Cold water: 0°C/+30°C - Hot water: +30°C/+90°C.



Cold water - MID R100

Hot water - MID R100

DN	length (mm)	nominal flow (m³/h)	max. flow (m³/h)	cold water code	price €	hot water code	price €
50	200	40	50	1738050		1739050	
65	200	63	78,7	1738065		1739065	
80	225	100	125	1738080		1739080	
100	250	160	200	1738100		1739100	
125	300	160	200	1738125		1739125	
150	300	250	312,5	1738150		1739150	
200	350	400	500	1738200		1739200	

Programmable static pulse head

code	price €
1749063	



M-Bus clip-on pulser

2 thread wire - 3 m length.

code	price €
1749064	



M-Bus micromaster

Primary address setting.

code	price €
1749016	

■ High flow - Woltman - Pulse transmitter



Use: water distribution - Cast iron body - Flanged RF PN10/16 - Interchangeable mechanism - Axial helicoid - Horizontal mounting or vertical mounting with vertical dial.

Cold water: pre-equipped for pulse transmitter 1 pulse every 100l for DN50 to DN125, 1000l above - Max. temperature: 50°C - MID100 acc. to EN ISO 4064 & MID M1001 2014/32/EU - Q3/Q1: horizontal dial H = 100; vertical dial V = 100 - IP68.

Hot water: pre-equipped for pulse transmitter 1 pulse every 10l or 1000l for DN50 to DN125, 100l or 10000l above - Max. temperature: 90°C - Non MID - Q3/Q1: horizontal dial H = 80; vertical dial V = 50.

Cold water - MID R100

Hot water

DN	length (mm)	Cold water				Hot water			
		Q4 (m³/h)	Q3 (m³/h)	code	price €	Q4 (m³/h)	Q3 (m³/h)	code	price €
50	200	50	40	2738050		31,25	25	2739050	
65	200	78,8	63	2738065		50	40	2739065	
80	225	125	100	2738080		78,75	63	2739080	
100	250	200	160	2738100		125	100	2739100	
125	250	200	160	2738125		200	160	2739125	
150	300	312,5	250	2738150		312	250	2739150	
200	350	500	400	2738200		500	400	2739200	

REED switch pulser

code	price €
9821017	



M-Bus pulser (for cold water)

code	price €
2749061	



Static pulser (for cold water)

code	price €
2749062	



■ Irrigation



Use: irrigation - Cast iron body - Flanged RF PN10/16 - Magnetic transmission - Tangential helicoid - Dry dial - Class A - Horizontal or vertical mounting - Pre-equipped or REED contact for pulse transmitter - TS: +0°C/+50°C.

Cold water - Class A

Cold water - Class A - Pulse transmitter

DN	length (mm)	nominal flow (m³/h)	max. flow (m³/h)	Cold water			Cold water - Pulse transmitter		
				code	code	price €	code	code	price €
50	200	35	70	1720050	-		1724050	-	
65	200	50	100	1720065	-		1724065	-	
80	225	75	150	1720080	-		1724080	-	
100	250	125	250	1720100	-		1724100	-	
125	250	175	350	-	1720125		-	1724125	
150	300	250	500	-	1720150		-	1724150	
200	350	450	900	-	1720200		-	1724200	

Pulse transmitter

code	price €
9811017	



Thermal energy meters, please consult



Thermometers

■ Bi-metallic - Stainless steel

Excluded from 2014/68/EU (art. 4, §3) - Class 2 - IP54 - For gases & liquids - Inside use only - Instrumentation glass - Stainless steel F304 case mechanism & fitting 1/2" - Duralium dial & needle - Plunger Ø 8 mm - Tight welded pipe - PS: 40 bar - TS: -30°C/+200°C.

1680 / 1681 - Radial - Ø 100

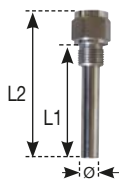


scale	plunger L (mm)	code	price €
-30°C/+50°C	77	1680001	
0/+120°C	77	1680002	
0/+160°C	77	1680003	
0/+200°C	77	1680004	
-30°C/+50°C	100	1681001	
0/+120°C	100	1681002	
0/+160°C	100	1681003	
0/+200°C	100	1681004	

1685 / 1686 - Axial - Ø 100



scale	plunger L (mm)	code	price €
-30°C/+50°C	77	1685001	
0/+120°C	77	1685002	
0/+160°C	77	1685003	
0/+200°C	77	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	price €
14	65	90	77	9880210	
14	86	110	100	9880211	

■ Vertical

Excluded from 2014/68/EU (art. 4, §3) - For non-corrosive gases & liquids - Brass fitting 1/2" - Aluminium case - Engraved scaled glass - All positions reading - Plunger Ø 10 mm - Solid glass prismatic capillary - PS: 16 bar - TS: -30°C/+300°C.



1670 / 1672 - Straight - 150 mm height

scale	plunger L (mm)	code	price €
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	price €
0°C/+120°C	63	1675001	
-30°C/+50°C	63	1675002	
0°C/+120°C	100	1677001	
-30°C/+50°C	100	1677002	



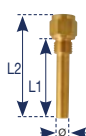
1671 / 1673 - Straight - 200 mm height

scale	plunger L (mm)	code	price €
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	price €
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	plunger L (mm)	code	price €
14	50	75	63	9880220	
14	86	110	100	9880221	

Pressure switches

ELT - Control pressure switch 

For all compatible fluids, except propane -
TS: -10°C/+120°C - Silver plated SPDT contacts -
Shut-off 0,2A-230V AC - IP40 - Room temperature:
-35°C/+60°C - According to EN 60947-1-5.

Ø	pressure setting	differential	code	price €
F 1/4"	-0,2 - 8 bar	0,6 - 3 bar	132001SE	
F 1/4"	5 - 16 bar	1 - 3,5 bar	132002SE	
M 1/4"	5 - 28 bar	2 - 10 bar	132003	

MDR - Process pressure switch 

Stainless steel 303 inner mechanism & fitting -
Stainless steel 316 Ti membrane - Aluminium
support - Polycarbonate housing - IP65 - 2 SPDT
contacts - Breaking capacity: resistive 10A@240VAC,
inductive 4A@240VAC, 0,1A@240VDC - PS: 10 bar -
TS: 0°C/+200°C - Ambient T: -20°C/+70°C -
Gland pack M20 electric connection.

Ø	pressure setting	differential	code	price €
1/4"	1 - 12 bar	0,5 - 0,8 bar	1320501	

Pressure gauges

■ ABS plastic case - Dry

Excluded from 2014/68/EU Directive (art. 4, §3) - Accuracy class according to EN837-1 - For non-viscous, non-crystallizing & non-aggressive fluids -
Black ABS case - Brass Bourdon tube and mechanism - Brass connection - Clear Plexiglas window - White ABS dial - Duralumin pointer - TS: 0°C/+60°C.

1640 - Axial - Ø 40

Class 2,5 - Connection 1/8".



scale (bar)	code	price €
0/4	1640004	
0/6	1640005	
0/10	1640006	
0/16	1640007	

1643 - Radial - Ø 63

Class 1,6 - Connection 1/4".



scale (bar)	range (psi)	code	price €
0/4	0/60	1643004	
0/6	0/90	1643005	
0/10	0/150	1643006	
0/16	0/230	1643007	
0/25	0/360	1643008	
0/40	0/600	1643009	

1644 - Radial - Ø 80

Class 1,6 - Connection 1/2".



scale (bar)	range (psi)	code	price €
0/4	0/60	1644004	
0/6	0/90	1644005	
0/10	0/150	1644006	
0/16	0/230	1644007	
0/25	0/360	1644008	
0/40	0/600	1644009	

1645 - Radial - Ø 100

Class 1,6 - Connection 1/2".



scale (bar)	code	price €
0/4	1645004	
0/6	1645005	
0/10	1645006	
0/16	1645007	
0/25	1645008	
0/40	1645009	

■ Carbon steel case - Brazed brass - Dry

Excluded from 2014/68/EU Directive (art. 4, §3) - Accuracy class according to EN837-1 - For non-viscous, non-crystallizing & non-aggressive fluids - Black painted steel case - Brass Bourdon tube and mechanism, tin welded - Brass connection - Flat instrument glass window - Duralumin dial - Steel pointer - TS: 0°C/+150°C (steam up to 100°C).

1619 - Radial - Ø 100

Class 1,6 - Connection 1/2".



scale (bar)	code	price €
-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 - Glycerine filled

Excluded from 2014/68/EU Directive (art. 4, §3) - Accuracy class according to EN837-1 - IP65 - For non-viscous, non-crystallizing & non-aggressive fluids - F304 stainless steel case - Brass Bourdon tube and mechanism, tin welded - Brass connection - Polycarbonate window - Duralumin dial - Steel pointer (duralumin pointer for Ø100) - TS: 0°C/+60°C.



1612 - Radial - Ø 50
Class 2,5 - Connection 1/4".

scale (bar)	code	price €
-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 - Connection 1/4".

scale (bar)	range (psi)	code	price €
-1/+1	-15/15	1613001	
0/1,6	0/23	1613002	
0/2,5	0/35	1613003	
0/4	0/60	1613004	
0/6	0/90	1613005	
0/10	0/150	1613006	
0/16	0/230	1613007	
0/25	0/360	1613008	
0/40	0/600	1613009	
0/60	0/900	1613010	
0/100	0/1500	1613011	
0/160	0/2300	1613012	
0/250	0/3500	1613013	
0/400	0/6000	1613014	
0/600	0/9000	1613015	



1615 - Radial - Ø 100
Class 1 - Connection 1/2".

scale (bar)	code	price €
-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	
0/250	1615013	
0/400	1615014	
0/600	1615015	



1622 - Axial - Ø 50
Class 2,5 - Connection 1/4".

scale (bar)	code	price €
-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 - Connection 1/4".

scale (bar)	range (psi)	code	price €
-1/+1	-15/15	1623001	
0/1,6	0/23	1623002	
0/2,5	0/35	1623003	
0/4	0/60	1623004	
0/6	0/90	1623005	
0/10	0/150	1623006	
0/16	0/230	1623007	
0/25	0/350	1623008	
0/40	0/600	1623009	
0/60	0/900	1623010	
0/100	0/1500	1623011	
0/160	0/2300	1623012	
0/250	0/3500	1623013	
0/400	0/6000	1623014	
0/600	0/9000	1623015	



1625 - Axial - Ø 100
Class 1 - Connection 1/2".

scale (bar)	code	price €
-1/+1	1625001	
0/1,6	1625002	
0/2,5	1625003	
0/4	1625004	
0/6	1625005	
0/10	1625006	
0/16	1625007	

■ Stainless steel case - Dry - Gas capsule

Excluded from 2014/68/EU Directive (art. 4, §3) - Accuracy class according to EN837-3 - IP31 - For dry & non-aggressive gases - F304 stainless steel case - Brass capsule and mechanism - Brass connection - Acrylic window for 1633 / Polycarbonate window for 1635 - Duralumin dial & pointer - TS: 0°C/+60°C.



1633 - Dry - Radial - Ø 63
Class 2,5 - Connection 1/4".

scale (mbar)	code	price €
0/60	1633001	
0/100	1633002	
0/250	1633003	
0/400	1633004	
0/600	1633005	



1635 - Dry - Radial - Ø 100
Class 1,6 - Connection 1/2".

scale (mbar)	code	price €
0/60	1635001	
0/100	1635002	
0/250	1635003	
0/400	1635004	
0/600	1635005	



Push-button valve
PS: 4 bar.

Ø	code	price €
1/4"	9880302	
1/2"	9880304	

■ Full stainless steel - Dry

Excluded from 2014/68/EU Directive (art. 4, §3) - Accuracy class according to EN837-1 - IP65 - For non-viscous & non-crystallizing aggressive fluids - F304 stainless steel case - F316 Bourdon tube and mechanism - F316 connection - Securit glass window - Aluminium dial & pointer - TS: 0°C/+100°C except fig. 1618 & 1628: 0°C/+60°C.

1616 - Dry - Radial - Ø 63

Class 1,6 - Connection 1/4".



scale (bar)	code	price €
-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 - Connection 1/2".



scale (bar)	code	price €
-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	

1618 - Glycerine - Radial - Ø 100

Class 1 - Connection 1/2" - Supplied filled.



scale (bar)	code	price €
-1/+1	1618001	
0/1,6	1618002	
0/2,5	1618003	
0/4	1618004	
0/6	1618005	
0/10	1618006	
0/16	1618007	
0/25	1618008	
0/40	1618009	
0/60	1618010	

1626 - Dry - Axial - Ø 63

Class 1,6 - Connection 1/4".



scale (bar)	code	price €
-1/+1	1626001	
0/1,6	1626002	
0/2,5	1626003	
0/4	1626004	
0/6	1626005	
0/10	1626006	
0/16	1626007	
0/25	1626008	
0/40	1626009	
0/60	1626010	

1628 - Glycerine - Axial - Ø 100

Class 1 - Connection 1/2" - Supplied filled.



scale (bar)	code	price €
-1/+1	1628001	
0/1,6	1628002	
0/2,5	1628003	
0/4	1628004	
0/6	1628005	
0/10	1628006	
0/16	1628007	
0/25	1628008	
0/40	1628009	
0/60	1628010	

■ Full stainless steel - Dry to be filled

STEAM

Accuracy class according to EN837-1 - For aggressive fluids - F304 stainless steel case - F316L bourdon tube & connection - IP65 - TS: max. 200°C.
 **Delivered without case filling.** Glycerine filling: 5 €/pc (minimum order 5 pcs).

2385 - Radial - Ø 100

Class 1 - Connection 1/2".



scale (bar)	code	price €	scale (bar)	code	price €	scale (bar)	code	price €	scale (bar)	code	price €
-1/+0,6	2385RV02D		0/0,6	2385RV08D		0/10	2385RV14D		0/160	2385RV20D	
-1/+1,5	2385RV03D		0/1	2385RV09D		0/16	2385RV15D		0/250	2385RV21D	
-1/+3	2385RV04D		0/1,6	2385RV10D		0/25	2385RV16D		0/400	2385RV23D	
-1/+5	2385RV05D		0/2,5	2385RV11D		0/40	2385RV17D		0/600	2385RV24D	
-1/+9	2385RV06D		0/4	2385RV12D		0/60	2385RV18D				
-1/+15	2385RV07D		0/6	2385RV13D		0/100	2385RV19D				

Pressure gauges with diaphragm seal

■ Full stainless steel - Mounted & tested - Threaded

Accuracy class according to EN837-1 - For aggressive, hot & corrosive fluids - F304 stainless steel case - F316L bourdon tube & connection - Securit glass window - Safety air vent - Direct mounting diaphragm seal - Wetted parts: membrane & F316L stainless steel lower part - F316L stainless steel upper part - KN59 filling oil - IP65 - PS: 100 bar - TS: max. 200°C (filled: 90°C).

2385/99-01 - Radial - Ø 100 - PS: 100 bar Class 1 - Connection 1/2".

scale (bar)	code	price €
0/1	2385RV09D10	
0/1,6	2385RV10D10	
0/2,5	2385RV11D10	
0/4	2385RV12D10	
0/6	2385RV13D10	
0/10	2385RV14D10	
0/16	2385RV15D10	
0/25	2385RV16D10	



2385/99-01 - Axial - Ø 100 - PS: 100 bar Class 1 - Connection 1/2".

scale (bar)	code	price €
0/1	2385RA09D10	
0/1,6	2385RA10D10	
0/2,5	2385RA11D10	
0/4	2385RA12D10	
0/6	2385RA13D10	
0/10	2385RA14D10	
0/16	2385RA15D10	
0/25	2385RA16D10	

■ Full stainless steel - Mounted & tested - Welded

Accuracy class according to EN837-1 - For corrosive & contaminated fluids, hot pressure - F304 stainless steel case - F316L bourdon tube & connection - Polycarbonate glass window - Safety air vent - Direct mounting diaphragm seal - Wetted parts: F316L stainless steel - KN59 filling oil - IP65 - TS: +10°C/+200°C.

2383/99-04 - Radial - Ø 63 - PS: 160 bar Class 1,6 - Connection 1/4".

scale (bar)	code	price €
0/1	2383RV09S342D	
0/1,6	2383RV10S342D	
0/2,5	2383RV11S342D	
0/4	2383RV12S342D	
0/6	2383RV13S342D	
0/10	2383RV14S342D	
0/16	2383RV15S342D	
0/25	2383RV16S342D	
0/40	2383RV17S342D	
0/60	2383RV18S342D	



2383/99-04 - Axial - Ø 63 - PS: 160 bar Class 1,6 - Connection 1/4".

scale (bar)	code	price €
0/1	2383RA09S342D	
0/1,6	2383RA10S342D	
0/2,5	2383RA11S342D	
0/4	2383RA12S342D	
0/6	2383RA13S342D	
0/10	2383RA14S342D	
0/16	2383RA15S342D	
0/25	2383RA16S342D	
0/40	2383RA17S342D	
0/60	2383RA18S342D	

Accuracy class according to EN837-1 - For corrosive & contaminated fluids, hot pressure - F304 stainless steel case - F316L bourdon tube & connection - Securit glass window - Safety air vent - Direct mounting diaphragm seal - Wetted parts: F316L stainless steel - KN59 filling oil - IP65 - TS: +10°C/+200°C.

2385/99-04 - Radial - Ø 100 - PS: 60 bar Class 1 - Connection 1/2".

scale (bar)	code	price €
0/1	2385RV09S343D	
0/1,6	2385RV10S343D	
0/2,5	2385RV11S343D	
0/4	2385RV12S343D	
0/6	2385RV13S343D	
0/10	2385RV14S343D	
0/16	2385RV15S343D	
0/25	2385RV16S343D	
0/40	2385RV17S343D	
0/60	2385RV18S343D	



2385/99-04 - Axial - Ø 100 - PS: 60 bar Class 1 - Connection 1/2".

scale (bar)	code	price €
0/1	2385RA09S343D	
0/1,6	2385RA10S343D	
0/2,5	2385RA11S343D	
0/4	2385RA12S343D	
0/6	2385RA13S343D	
0/10	2385RA14S343D	
0/16	2385RA15S343D	
0/25	2385RA16S343D	
0/40	2385RA17S343D	
0/60	2385RA18S343D	

Calibration certificate - 10 points (5 points downwards, 5 points upwards).

code	price €
CERTIF	

Accessories for pressure gauges

■ Brass decompression valves (BSP)

1305 - Female/female

PS: 16 bar - TS: +90°C.



Ø	length (mm)	code	price €
1/4"	46	1305002	
3/8"	50	1305003	
1/2"	56	1305004	

1306 - Male/female

PS: 16 bar - TS: +90°C.



Ø	length (mm)	code	price €
1/4"	46	1306002	
3/8"	50	1306003	
1/2"	56	1306004	

1307 - Male/female

PS: 16 bar - TS: +90°C.



Ø	length (mm)	code	price €
1/4"	60	1307002	
1/2"	68	1307004	

■ High pressure valves with stretcher nut (BSP)

1390 - Brass - Male/female

PS: 250 bar - TS: -10°C/+120°C.



Ø	length (mm)	full length (mm)	code	price €
1/2"	100	119	1390004	

1391 - Brass - Male/female with control flange

PS: 250 bar - TS: -10°C/+120°C.



Ø	length (mm)	full length (mm)	code	price €
1/2"	100	119	1391004	

1392 - Carbon steel - Male/female

DIN 16270 type A - PS: 400 bar - TS: -10°C/+200°C.



Ø	length (mm)	full length (mm)	code	price €
1/2"	100	119	1392004	

1393 - Stainless steel - Male/female

DIN 16270 type A - PS: 400 bar - TS: -20°C/+200°C.



Ø	length (mm)	full length (mm)	code	price €
1/2"	100	119	1393004	

■ Coil siphons (BSP)

Male/female - PN100

DIN 16282 type C - TS: +400°C (+300°C at 80 bar).



Ø	type	code	price €
1/2"	carbon steel	9817120	
1/2"	stainless steel	9817130	

Stainless steel -

Male/female - PN20



Ø	code	price €
1/4"	9880207	
1/2"	9880208	

Carbon steel -

Male/male - PN25



Ø	code	price €
1/4"	9880200	
1/2"	9880201	

Copper -
Male/female - PN25

Ø	code	price €
1/4"	9880202	
1/2"	9880204	

Carbon steel - U type -
Male/male - PN25

Ø	code	price €
1/4"	9880205	
1/2"	9880206	

Insulation

Insulation jackets

STEAM

Pyrogel XT Aspen Aerogels® hydrophobic insulation - Fiber glass fabric with silicone cover - Fabrics sewing by Kevlar® and stainless steel wires - Braided fiber glass ropes - Thermal resistance : 1,5 m².k/W - TS: up to 250°C.



MIFI - Y-strainer insulation jacket

DN	15	20	25	32	40	50	65	80	100
code	182015SE	182020SE	182025SE	182032SE	182040SE	182050SE	182065SE	182080SE	182081SE
price €									



MI SK - Float steam trap insulation jacket

Threaded

Ø	1/2"	3/4"	1"
code	181001	181002	181003
price €			



Flanged

DN	15	20	25	32	40	50
code	181004	181005	181006	181007	181008	181009
price €						

