

Drinking water catalogue

Valves, automation, pressure control, meters, pipes and fittings approved or marked for drinking water — for water networks, buildings and water equipment.



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Page numbers refer to this PDF. The sections keep the page numbers of the INO source catalogues, so cross-references inside them stay valid. Prices, stock, certificates and full datasheets on request. This is the compact edition with the key pages of each section — the full catalogue is available on request.



Overview

Valves, pressure control, metering, pipes and fittings for drinking water on three pages.

INO

DRINKING WATER

ABOUT DRINKING WATER

A selection of valves, fittings and controls for drinking water: water networks and pumping stations, building installations, water treatment and beverage or filtration equipment. The items carry drinking water approvals such as ACS, DVGW, KTW, PZH or NSF, or are made of materials on the 4MS composition list for metallic materials in contact with drinking water. Approvals differ per size and version — we confirm them and supply certificates with the offer.

APPROVALS

ACS · DVGW · KTW
· NSF

MATERIALS

Brass · bronze ·
iron · PE · PVC-U

USE

Networks ·
buildings ·
equipment

IN THIS OVERVIEW

01	Valves	7 families
02	Pressure control, metering & automation	3 families
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WHY ORDER THROUGH INO

- **Local partner in Riga.**
Warehouse and office at Klijānu iela 8 — pick-up, delivery across Latvia, Lithuania and Estonia.
- **Technical selection.**
Send us a code, photo or nameplate — we find the right part or a compatible equivalent.
- **Approvals checked for you.**
We confirm the drinking water approval per item and size and send the certificates with the offer.
- **Assembly on request.**
Pre-assembled modules, valve panels and on-site installation.

01 Valves

Shut-off, control and protection valves for drinking water. Also: taps and bibcocks, needle and globe valves, expansion joints with ACS EPDM liner.



Ball valves for drinking water

Brass ball valves made of materials on the 4MS composition list — full bore, PN25–40.



ACS ball valves for actuation

ACS-certified nickel-plated brass ball valves with ISO 5211 top for actuators and limit switches.



Butterfly valves

Wafer and lug butterfly valves with EPDM seat marked for drinking water, DN32–600.



Resilient seated gate valves

Ductile iron gate valves with ACS epoxy coating for water networks — manual or electric.



Check valves

Ball, swing and nozzle check valves for drinking water mains and pumping stations.



Y-strainers

Ductile iron and brass strainers with stainless steel screen.



Float & air release valves

Float valves for tanks and air release valves for water mains.

02 Pressure control, metering & automation

Also available: thermostatic mixing valves, water heater safety groups, hammer arresters, circulators for domestic hot water, wireless (LoRaWAN) shut-off valves.



Pressure reducing valves

Brass, lead-free bronze and ductile iron PRVs — ACS versions, with built-in filter and gauge.



Water meters

Cold and hot water meters, also with M-Bus or pulse output.



ACS solenoid valves

2/2-way brass solenoid valves with ACS/KTW EPDM membrane for drinking water.

03 Pipes & fittings

Including push-in fittings for water filters, dispensers and beverage machines. Also available: galvanised malleable iron fittings (DVGW), multilayer pipe systems, manifolds, flexible hoses, repair clamps and tapping bridges (ACS & PZH).



PE & PER pipes

Blue-stripe PE and PER pipes for drinking water distribution and sanitary installations.



Brass compression fittings

Brass fittings for copper and PE pipes in drinking water installations.



PVC-U valves & fittings

PVC-U ball valves and fittings marked for drinking water, solvent-cement ends.



Camozzi Series 7000 Beverage & Water

GRIPfit push-in fittings in low-lead brass (CW510L) — NSF, potable water and food contact certified. Tubes Ø4–8 mm.



Automation, pressure control & metering

ACS solenoid valves, wireless shut-off valves, pressure reducing valves, thermostatic mixing valves and water meters.

Solenoid valves



■ Brass solenoid valves

Excluded from 2014/68/EU Directive (article 4, §3) - 2/2 way - CW625N brass body - Stainless steel inner parts - EPDM membrane - T22 PG9 connector - Room temp.: -10°C/+80°C - PS: 25 bar - TS: -10°C/+120°C.



NEW ESM 117 W - Bistable

Opening & closing by current reversal.



Ø	bore (mm)	Kv (m³/h)	24V DC	12V DC
			code	code
1/4"	10	1,5	088850	088840N
3/8"	12	2,2	088851	088841N
1/2"	12	2,5	088852	088842N
3/4"	18	5,5	088853	088843N
1"	25	10,2	088854	088844N
1 1/4"	30	15	088855	088845N

2014/68/EU Directive - Risk category I - 2014/35/EU Directive - 2/2 way - CW617N brass body - Stainless steel inner parts - NBR membrane / EPDM KTW for ACS valves - Coil insulation class F - T30 connector (except ESM85) - Max. room temp.: +60°C (except for VSO 84: +80°C) - PS: 10 bar - TS: -5°C/+80°C (except for ESM 85: +5°C/+80°C), TS for ACS valves: +110°C.



ESM 85 - Servo-assisted

Normally closed (opening under tension) - T22 connector - Min. ΔP: 0,3 bar.



Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	24V DC
			code	code	code
3/8"	10	1,86	085001	085011	085051
1/2"	12	2,2	085002	085012	085052
3/4"	20	5,7	085003	085013	085053
1"	25	9,6	085004	085014	085054SE

ESM 86 - Servo-assisted

Normally closed (opening under tension) - Min. ΔP: 0,3 bar.



Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	12V DC	24V DC	ACS certified	
								230V 50Hz	24V 50Hz
			code	code	code	code	code	code	code
								code	code
3/8"	10	1,86	086001	086011	086031	086041	086051	-	-
1/2"	12	2,1	086002	086012	086032	086042	086052	086502	086512
3/4"	20	5,7	086003	086013	086033	086043	086053	086503	086513
1"	25	9,6	086004	086014	086034	086044	086054	086504	086514
1 1/4"	32	22	086005	086015	086035	086045	086055	-	-
1 1/2"	39	27	086006	086016	086036	086046N	086056	-	-
2"	51	35	086007	086017	086037	086047N	086057	-	-
2 1/2"	65	63	086008	086018	086038N	086048N	086058	-	-
3"	75	83	086009	086019	086039N	086049N	086059	-	-

ESM 87 - Servo-assisted

Normally open (closing under tension) - Min. ΔP: 0,3 bar.



Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	12V DC	24V DC	ACS certified	
								230V 50Hz	24V 50Hz
			code	code	code	code	code	code	code
								code	code
3/8"	10	1,86	087001	087011	087031N	087041N	087051	-	-
1/2"	12	2,1	087002	087012	087032N	087042N	087052	087502	087512
3/4"	20	5,7	087003	087013	087033N	087043	087053	087503	087513
1"	25	9,6	087004	087014	087034N	087044N	087054	087504	087514
1 1/4"	32	22	087005	087015	087035N	087045N	087055	-	-
1 1/2"	39	27	087006	087016	087036N	087046N	087056	-	-
2"	51	35	087007	087017	087037N	087047N	087057	-	-
2 1/2"	65	63	087008	087018N	087038N	087048N	087058N	-	-
3"	75	83	087009	087019N	087039N	087049N	087059N	-	-

VSO 84 - Direct acting

Normally closed (opening under tension) - NoΔP required - Horizontal mounting, coil on the top.



Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	12V DC	24V DC	ACS certified	
								230V 50Hz	24V 50Hz
			code	code	code	code	code	code	code
								code	code
3/8"	12	2,2	084001	084011	084031N	084041N	084051	-	-
1/2"	12	2,2	084002	084012	084032	084042	084052	-	-
3/4"	20	5,5	084003	084013	084033	084043	084053	084503	084513
1"	25	7,5	084004	084014	084034	084044	084054	084504	084514
1 1/4"	36	17,5	084005	084015	084035N	084045N	084055	-	-
1 1/2"	39	19,0	084006	084016	084036N	084046N	084056	-	-
2"	51	32,4	084007	084017	084037N	084047N	084057	-	-

⚠ Please check max. ΔP on datasheet.

Electric actuated valves

Compact electric actuated ball valves

Ball valves equipped with compact actuator - 90° operating angle - Plastic enclosure - Steel reducing gears - Position indicator - 2 thread wiring - 1,5 m wire - Full bore - Room temp.: -10°C/+55°C - PS: 10 bar up to 1", 6 bar above - TS: 0°C/+90°C. **Use of gas prohibited.**



Lyva 2 NC - Brass ball valve - Normally closed 
CW617N body - F304 ball - PTFE seats - Stem tightness: EPDM.

Ø	power	code
1/2"	24V AC/DC	89221C0232
3/4"	24V AC/DC	89221C0233
1"	24V AC/DC	89221C0234
1"1/4	24V AC/DC	89221C0332
1"1/2	24V AC/DC	89221C0333
2"	24V AC/DC	89221C0334

Ø	power	code
1/2"	230V AC	89221C0252
3/4"	230V AC	89221C0253
1"	230V AC	89221C0254
1"1/4	230V AC	89221C0352
1"1/2	230V AC	89221C0353
2"	230V AC	89221C0354



Lyva 2 NO - Brass ball valve - Normally open 
CW617N body - F304 ball - PTFE seats - Stem tightness: EPDM.

Ø	power	code
1/2"	24V AC/DC	89222C0232
3/4"	24V AC/DC	89222C0233
1"	24V AC/DC	89222C0234

Ø	power	code
1/2"	230V AC	89222C0252
3/4"	230V AC	89222C0253
1"	230V AC	89222C0254



Lyva 3 NC - Stainless steel ball valve - Normally closed 
CF8M body & ball - PTFE seats - Stem tightness: EPDM.

Ø	power	code
1/4"	24V AC/DC	89321C0132
3/8"	24V AC/DC	89321C0133
1/2"	24V AC/DC	89321C0232
3/4"	24V AC/DC	89321C0233
1"	24V AC/DC	89321C0234
1"1/4	24V AC/DC	89321C0332
1"1/2	24V AC/DC	89321C0333
2"	24V AC/DC	89321C0334

Ø	power	code
1/4"	230V AC	89321C0152
3/8"	230V AC	89321C0153
1/2"	230V AC	89321C0252
3/4"	230V AC	89321C0253
1"	230V AC	89321C0254
1"1/4	230V AC	89321C0352
1"1/2	230V AC	89321C0353
2"	230V AC	89321C0354



Lyva 3 NC - Stainless steel ball valve - Normally closed with manual override 
CF8M body & ball - PTFE seats - Stem tightness: EPDM.

Ø	power	code
1/2"	24V AC/DC	89321C0262
3/4"	24V AC/DC	89321C0263
1"	24V AC/DC	89321C0264



Lyva 3 NO - Stainless steel ball valve - Normally open 
CF8M body & ball - PTFE seats - Stem tightness: EPDM.

Ø	power	code
1/4"	24V AC/DC	89322C0132
3/8"	24V AC/DC	89322C0133
1/2"	24V AC/DC	89322C0232
3/4"	24V AC/DC	89322C0233
1"	24V AC/DC	89322C0234

not in stock, on request.

Ø	power	code
1/4"	230V AC	89322C0152
3/8"	230V AC	89322C0153
1/2"	230V AC	89322C0252
3/4"	230V AC	89322C0253
1"	230V AC	89322C0254

not in stock, on request.

Same as above except: wireless actuator - 2x FR6 1.5V lithium batteries (3000 mAh) - Long-life standing (> 5 years) - Long-range remote open/close control & monitoring through LoRaWAN™ protocol (868 MHz) - With manual override.



NEW Lyva FW - Stainless steel ball valve - Wireless

CF8M body & ball - PTFE seats - Stem tightness: EPDM.

Ø	power	code
1/2"	1,5V	89321C0232FW
3/4"	1,5V	89321C0233FW
1"	1,5V	89321C0234FW



Pressure reducing valves

■ Stainless steel low pressure

Excluded from 2014/68/EU Directive (article 4, §3) - Stainless steel body - Supplied without pressure gauge.

3.1
see p. 23

NEW 2460 - DRV - Low pressure - NBR + PTFE membrane (BSP)

CF8M body - FKM tightness - TS: -20°C/+60°C.



Inlet	outlet	Downstream pressure	face to face (mm)	code
1/2"	3/4"	5 - 60 mbar	80	246001
1/2"	3/4"	25 - 200 mbar	90	246002
1/2"	3/4"	40 - 400 mbar	80	246003
1/2"	3/4"	100 - 600 mbar	90	246004

not in stock,
on request.

NEW 2461 - Low pressure - EPDM membrane (BSP)

F316L body & inner parts - TS 1/2": -40°C/+175°C - TS 3/4" & 1": -20°C/+80°C.

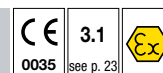


DN	Kv (m³/h)	Downstream pressure	
		5 - 45 mbar	10 - 400 mbar
		code	code
1/2"	1,4	246101	246102
3/4"	1,4	246111	246112
1"	1,4	246121	246122

not in stock,
on request.



2014/68/EU Directive n°0035 - Risk category II / module D1 - CF8M body - Supplied with stainless steel pressure gauge indicating the downstream pressure - FKM seat - PS: 10 bar - TS: -15°C/+80°C - For all compatible clean fluids.



2430 - LPRV - Low pressure (BSP)

Downstream pressure



Ø	face to face (mm)	weight (kg)	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



■ Stainless steel

Excluded from 2014/68/EU Directive (article 4, §3) - 1.4408 stainless steel body - EPDM seat - PS: 16 bar - TS: +5°C/+85°C - Downstream pressure port: G 1/4 (pressure gauge not included) - Built-in stainless steel filter 160µm.



NEW 9040 - Drinking water - With built-in filter (BSP)

Downstream pressure



DN	KV m³/h	face to face (mm)	weight (kg)	0,5 - 3 bar	1,5 - 7 bar	3 - 12 bar
				code	code	code
1/2"	3,4	80	0,8	246680	246880	246780
3/4"	4,4	90	0,9	246681	246881	246781
1"	9,3	100	1,7	246682	246882	246782
1 1/4"	10,5	105	1,9	246683	246883	246783
1 1/2"	19,5	130	3,9	246684	246884	246784
2"	20,5	140	4,5	246685	246885	246785

not in stock,
on request.



2014/68/EU Directive n°0035 - Risk category II / module D1 - CF8M body - Supplied with stainless steel pressure gauge indicating the downstream pressure - EPDM seat - PS: 16 bar - TS: -15°C/+80°C - For potable water.



2441 - PRV-W - Drinking water (BSP)

Downstream pressure



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



Thermostatic mixing valves

Standard

Max. pressure: 5 bar - Max. temperature: +90°C - TS: +30°C/+65°C -
Built-in anti-scalding safety device -
Flow rate (at 1 bar): 1,5 Kv (m³/h).



Ø	code
3/4"	MTB20

Under basin

Nickel-plated - Max. pressure: 5 bar - Max. temperature: +80°C -
TS: +34°C/+40°C - Built-in anti-scalding safety device -
Flow rate (at 1 bar): 1,5 Kv (m³/h).



Ø	code
1/2"	MT100

High pressure

Max. pressure: 10 bar - Max. temperature: +65°C & +95°C - TS: +25°C/+45°C & 35°C/+65°C -
Adjustable temperature - Built-in anti-scalding safety device.



Female

Ø	flow (m³/h, Δp 1)	temperature range	code
1/2"	1,5	25 - 45°C	MTL152545
1/2"	1,6	35 - 65°C	MTL153565
3/4"	1,5	25 - 45°C	MTL202545
3/4"	1,6	35 - 65°C	MTL203560
1"	4,2	25 - 45°C	MTL262545
1"	3,5	35 - 65°C	MTL263565

Male

Ø	flow (m³/h, Δp 1)	temperature range	code
1/2"	1,3	25 - 45°C	MTL152545M
1/2"	1,3	35 - 65°C	MTL153565M
3/4"	1,5	25 - 45°C	MTL202545M
3/4"	1,5	35 - 65°C	MTL203560M
1"	1,6	25 - 45°C	MTL262545M
1"	1,6	35 - 65°C	MTL263565M

High flow

Nickel-plated brass & dezincification resistant alloy body - Male union connections -
Max. pressure: 5 bar - Max. temperature: +85°C - TS: +30°C/+50°C -
Pre-set temperature: +45°C - Built-in anti-scalding safety device -
Flow rate (at 1 bar): 2,2 Kv (m³/h).



Ø	code
3/4"	MTY49A20

while stocks last

Solar

Nickel-plated brass & dezincification resistant alloy body - Male union connections -
Max. pressure: 10 bar - Max. temperature: +110°C - TS: +30°C/+65°C -
Adjustable setting temperature - Built-in anti-scalding safety device -
Flow rate (at 1 bar): 1,8 Kv (m³/h).



Ø	code
3/4"	MTP04A20

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
	45 - 65°C			JRG342055
4,000	20 - 30°C	1"	1"1/2	JRG342625
	30 - 45°C			JRG342640
	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
	45 - 65°C			JRG343355
12,200	20 - 30°C	1"1/2	2"1/4	JRG344025
	30 - 45°C			JRG344040
	45 - 65°C			JRG344055
16,200	20 - 30°C	2"	2"3/4	JRG345025
	30 - 45°C			JRG345040
	45 - 65°C			JRG345055

3 fitting set (supplied 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

Flanged (supplied with gaskets)

flow (m³/h, Δp 1)	temperature range	DN	code
28,800	20 - 30°C	65	JRG34B6525
	30 - 45°C		JRG34B6540
	36 - 53°C		JRG34B6548
	45 - 65°C		JRG34B6555

flow (m³/h, Δp 1)	temperature range	DN	code
45,000	20 - 30°C	80	JRG34B8025
	30 - 45°C		JRG34B8040
	36 - 53°C		JRG34B8048
	45 - 65°C		JRG34B8055

Water meters

■ High flow - Woltman



Use: water distribution - Acc. to MID 2014/32/EU - Cast iron body - Flanged RF PN10/16 (PN16 for DN200) - Magnetic transmission - Axial helicoid - Dry 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)	Q3 (m³/h)	Q2 (l/m³)	cold water code	hot water code
50	200	40	640	1738050	1739050
65	200	63	1008	1738065	1739065
80	225	100	1600	1738080	1739080
100	250	160	2560	1738100	1739100
125	300	160	2560	1738125	1739125
150	300	250	4000	1738150	1739150
200	350	400	6400	1738200	1739200

Programmable static pulse head*

code
1749063

M-Bus clip-on pulser*

code
1749064

M-Bus micromaster

Primary address setting.

code
1749016

* When used with the appropriate app, no M-Bus micromaster is required.

■ High flow - Woltman - Pulse transmitter



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

Cold water: pre-equipped for pulse transmitter 1 pulse every 100l for DN50 to DN100, 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 for DN50 to DN125, 100l 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		
		Q3 (m³/h)	Q2 (l/m³)	code	Q3 (m³/h)	Q2 (l/m³)	code
50	200	40	640	2738050	40	500	2739050
65	200	63	1008	2738065	63	800	2739065
80	225	100	1600	2738080	100	1260	2739080
100	250	160	2560	2738100	160	2000	2739100
125	250	160	2560	2738125	160	3200	2739125
150	300	250	4000	2738150	250	5000	2739150
200	350	400	6400	2738200	400	8000	2739200

REED switch pulser

code
9821017

M-Bus pulser (for cold water)

code
2749061

Static pulser (for cold water)

code
2749062

M-Bus micromaster

Primary address setting.

code
1749016

NEW ■ Irrigation



Use: irrigation - Cast iron body - Flanged RF PN10/16 - Interchangeable removable magnetic transmission - Tangential helicoid - Dry dial - MID R40 - Horizontal or vertical mounting - PS: 16 bar - TS: +0°C/+30°C.



Cold water - R40

DN	length (mm)	Q3 (m³/h)	Q2 (l/m³)	code
50	200	40	1128	2720050
65	200	63	2016	2720065
80	225	100	3200	2720080
100	250	160	5120	2720100
125	250	160	5120	2720125
150	300	250	8000	2720150
200	350	400	12800	2720200

REED switch pulser

code
9821017

Thermal energy meters, please consult





Valves for drinking water

ACS and 4MS brass ball valves, EPDM butterfly valves, resilient seated gate valves and check valves.

Brass ball valves



ISO pad



2014/68/EU Directive - Risk category I / module A - ACS certified up to 2" - Nickel-plated CW617N brass body - PTFE seats - Stem tightness: NBR + FKM - Full bore - PS: 16 bar - TS: -10°C/+100°C.

⚠ Delivered bare shaft for direct mounting automation.



502 XS - 2 way brass ball valve (BSP)

DN	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
PS (bar)	16	16	16	16	16	16	16	16	16
code	270002	270003	270004	270005	270006	270007	270038	270039	270040



2014/68/EU Directive N°1115 - Risk category II / module A2 - ACS certified - Nickel-plated CW617N brass body - PTFE seats - Stem tightness: FKM - PS: 16 bar - TS: -10°C/+100°C.

⚠ Delivered bare shaft for direct mounting automation.



2 way

500 HC - 2 way brass ball valve with stem extension (BSP)

DN	1/2"	3/4"	1"	1"1/4	1"1/2	2"
PS (bar)	16	16	16	16	16	16
code	270102	270103	270104	270105	270106	270107

3 way



513 XS - L-port (BSP)

Reduced bore.

514 XS - T-port (BSP)

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
PS (bar)	16	16	16	16	16	16	16	16
513 code	275010	275011	275012	275013	275014	275015	275016	275017
514 code	275030	275031	275032	275033	275034	275035	275036	275037

Manual valves with limit switch box

Manual ball valves equipped with SF012 limit switch box IP67 - SPDT 250V-5A (see features of the limit switch box page 243).

2 way

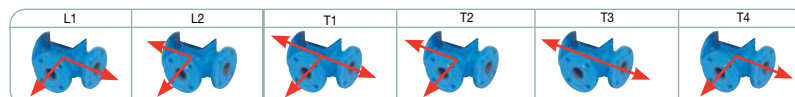


502 - Brass (BSP)

CW617N body - PTFE seats - Full bore - PS: 16 bar - TS: -10°C/+100°C.

Ø	code
1/2"	2700020462012
3/4"	2700030462012
1"	2700040462012
1"1/4	2700050462012
1"1/2	2700060462012
2"	2700070462012
2"1/2	2700380462012
3"	2700390462012
4"	2700400462012

3 way



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

513 XS - L-port (BSP)

CW617N body - PTFE seats - Reduced bore - PS: 16 bar - TS: -10°C/+100°C.

Ø	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 XS - T-port (BSP)

CW617N body - PTFE seats - Reduced bore - PS: 16 bar - TS: -10°C/+100°C.

Ø	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



PN25/20



Excluded from 2014/68/EU Directive (article 4, §3) - CW617N brass body - PTFE gland pack & seats - Chrome-plated brass ball up to 3/4", stainless steel ball above - Standard bore - Anti-blowout stem - Tracking: "15S" marked on body - TS: -10°C/+120°C.
⚠ Complies with the 4MS Composition List & accepted metallic materials for potable drinking water.



■ Female/female

515 - Red steel lever

516 - Red butterfly handle



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2
PS (bar)	25	25	25	20	20	16	10
pack	10	10	16	12	8	1	1
515 code	515004	515005	515006	515007	515008	515009	515010
pack	15	12	16				
516 code	516004	516005	516006	-	-	-	-

■ Male/female

562 - Red steel lever

563 - Red butterfly handle



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
PS (bar)	25	25	25	20	20	16
pack	10	10	16	12	8	1
562 code	562004	562005	562006	562007	562008	562009
pack	15	12	16			
563 code	563004	563005	563006	-	-	-

■ Male/male

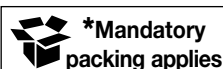
572 - Red steel lever

573 - Red butterfly handle



Ø	1/2"	3/4"	1"	1"1/4	1"1/2	2"
PS (bar)	25	25	25	20	20	16
pack	10	10	16	12	8	1
572 code	572004	572005	572006	572007	572008	572009
pack	15	15	12			
573 code	573004	573005	573006	-	-	-

PN30/20



Excluded from 2014/68/EU Directive (article 4, §3) - Nickel-plated CW617N brass body - PTFE gland pack & seats - Chrome-plated brass ball - **Full bore** - Anti-blowout stem - Tracking: "80S" marked on body - TS: -10°C/+120°C.



■ Female/female

580 - Red steel lever

508 - Blue steel lever

586 - Red butterfly handle

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"
PS (bar)	30	30	30	30	30	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	-	-	-	-	-	-

Concentric butterfly valves



Ductile iron - EN-GJS-400-15 (GGG40)

Risk category III / module H - EN-GJS-400-15 (GGG40) body - Epoxy coated - ISO pad - PS: 16 bar up to DN300, 10 bar above -
⚠ Supplied with lever up to DN300, supplied with gearbox above.

3.1
see p. 23

Face to face according to EN 558 series 20 / ISO pad according to ISO 5211

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
face to face "E"	33	43	46	46	52	56	56	60	68	78	78	102	114	127	154
ISO pad	F07	F07	F07	F07	F07	F07	F07	F10	F10	F10	F10	F14	F14	F14	F16
square drive	9	9	9	9	11	14	14	17	22	22	22	27	27	36	36

■ Seat EPDM - TS: -10°C/+110°C

1170 - Wafer - Disc EN-GJS-400-15 (GGG40) epoxy coated

Between flanges PN10/16 & ANSI 150. Also JIS 10K up to DN300.



DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
code	1170040	1170050	1170065	1170080	1170100	1170125	1170150	1170200	1170250	1170300	1170350	1170400	1170450	1170500	1170600

1175 - Lug - Disc EN-GJS-400-15 (GGG40) epoxy coated

Between flanges PN10/16 up to DN150, PN10 or 16 above.



DN	40	50	65	80	100	125	150	200	250	300	350	400
PS (bar)	16	16	16	16	16	16	16	10/16*	10/16*	10/16*	10	10
PN10 code	-	-	-	-	-	-	-	1175200	1175250	1175300	1175350	1175400
PN16 code	1175040	1175050	1175065	1175080	1175100	1175125	1175150	1175201	1175251	1175301	1175351	1175401

* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

■ Seat High temperature EPDM - TS: -20°C/+130°C

1173 - Wafer - Disc CF8M

Between flanges PN10/16 & ANSI 150. Also JIS 10K up to DN300.

DN	32-40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
PS (bar)	16	16	16	16	16	16	16	16	16	16	10	10	10	10	10
code	1173040	1173050	1173065	1173080	1173100	1173125	1173150	1173200	1173250	1173300	1173350	1173400	1173450	1173500	1173600

1176 - Lug - Disc CF8M

Between flanges PN10/16 up to DN150, PN10 or 16 above.

DN	40	50	65	80	100	125	150	200	250	300	350
PS (bar)	16	16	16	16	16	16	16	10/16*	10/16*	10/16*	10
PN10 code	-	-	-	-	-	-	-	1176200	1176250	1176300	1176350
PN16 code	1176040	1176050	1176065	1176080	1176100	1176125	1176150	1176201	1176251	1176301	1176351

* PS: 10 bar for PN10 valves, 16 bar for PN16 valves.

■ Seat NBR - TS: -10°C/+90°C

1174 - Wafer - Disc Aluminium bronze

Between flanges PN10/16 & ANSI 150 & JIS10K.

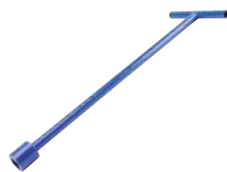
DN	32-40	50	65	80	100	125	150	200
PS (bar)	16	16	16	16	16	16	16	16
code	1174040	1174050	1174065	1174080	1174100	1174125	1174150	1174200

1177 - Wafer - Disc CF8M

Between flanges PN10/16 & ANSI 150 & JIS10K.

DN	32-40	50	65	80	100	125	150	200
PS (bar)	16	16	16	16	16	16	16	16
code	1177040	1177050	1177065	1177080	1177100	1177125	1177150	1177200

Gate valves



Tee keys (for 35mm square drive nut).

DN	50-300	50-300
length	1m	1,8m
code	9802080	9802081



Spare stem extensions

To be connected on a square drive nut.

DN	50 to 300	350-400
1 m code	9802020	9802029
1,25 m code	9802031	9802040
1,50 m code	9802042	9802051



Spare telescopic stem extension

To be connected on a square drive nut.

DN	40 to 300
1,3 m to 1,8 m code	9802060
2 m to 2,5 m code	9802070

Actuated gate valves

SECTORIEL

Resilient seated gate valves

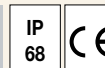
NEW

Excluded from 2014/68/EU Directive (article 4, §3) - Construction acc. to EN 1074-2 - Flanged RF PN10/16 up to DN150, PN10 or PN16 above - EN 558 Series 14 (DIN 3002 F4) - EN-GJS-500-7 (GGG50) body - Stainless steel stem - Full bore - Epoxy coated - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - TS: -20°C/+70°C.



181K - Ductile iron - EPDM wedge - With Noah actuator

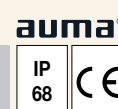
Direct mounting on F10 ISO pad - On/off multi-turn **Noah actuator** - IP68 - Aluminium enclosure - Room temperature range: -20°C/+70°C - Heating resistance 20W - Torque limiter - Manual safety gear - S2 duty service: 15 min (230V) / 30 min (400V).
⚠ ΔP max.: 10 bar.



DN	flanges	actuator	230V code	3~400V code
50	PN10/16	MS	410107023950K	410107023960K
65	PN10/16	MS	410108023950K	410108023960K
80	PN10/16	MS	410109023950K	410109023960K
100	PN10/16	MS	410110023950K	410110023960K
125	PN10/16	MS	410111023950K	410111023960K
150	PN10/16	MS	410112023950K	410112023960K
200	PN10	MS	-	410113023960K
200	PN16	MS	-	410114023960K

181K - Ductile iron - EPDM wedge - With Auma actuator

Direct mounting on F10 ISO pad - On/off multi-turn **Auma actuator** - Actuator information see page 250.
⚠ ΔP max.: 10 bar.



DN	flanges	actuator	3~400V code
50	PN10/16	SA07	410107027026K
65	PN10/16	SA07	410108027026K
80	PN10/16	SA07	410109027026K
100	PN10/16	SA07	410110027026K
125	PN10/16	SA07	410111027026K
150	PN10/16	SA07	410112027026K
200	PN10	SA10	410113027036K
200	PN16	SA10	410114027036K

181K - Ductile iron - EPDM wedge - With Regada actuator

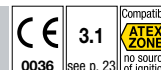
Direct mounting on F10 ISO pad - On/off multi-turn **Regada actuator** - Actuator information see page 249.
⚠ ΔP max.: 10 bar.



DN	flanges	actuator	230V code	3~400V code
50	PN10/16	SO2	410107027101K	410107027103K
65	PN10/16	SO2	410108027101K	410108027103K
80	PN10/16	SO2	410109027101K	410109027103K
100	PN10/16	SO2	410110027101K	410110027103K
125	PN10/16	SO2	410111027102K	410111027104K
150	PN10/16	SO2	410112027102K	410112027104K

Wafer spring - All positions

2014/23/EU Directive N°0036 - Risk category II / module A2 - EN 558 series 49 - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+200°C.



390 - Stainless steel - S-First

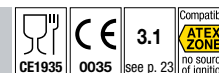
Between flanges PN10/16/25/40 & ANSI 150 & 300



DN	15	20	25	32	40	50	65	80	100
face to face	16	19	21	27	31	40	46	50	60
code	390015	390020	390025	390032	390040	390050	390065	390080	390100

FOOD

2014/68/EU Directive N°0035 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+400°C. ⚠ **Steam up to 14 bar max.**



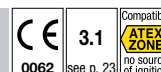
386 - Stainless steel

Between flanges PN10/16/25/40.



DN	15	20	25	32	40	50	65	80	100
face to face	16	19	22	28	31,5	40	46	49	60
code	386015	386020	386025	386032	386040	386050	386065	386080	386100

2014/68/EU Directive N°0062 - Risk category II / module H - CF8M body - F316 disc - Metal-metal tightness - PS: 40 bar - TS: -20°C/+400°C. ⚠ **Steam up to 14 bar max.**



386 - Stainless steel

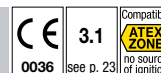
Between flanges PN40.



DN	125	150	200
face to face	90	106	140
code	386125	386150	386200

Swing

2014/68/EU Directive N°0036 - Risk category II / module A2 - CF8M body & plate - Metal-metal tightness - PS: 16 bar - TS: -25°C/+180°C - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**



320 - Stainless steel



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 2014/68/EU Directive (article 4, §3) - Flanged RF PN16 - EN 558 series 48 (DIN 3202 F6) - EN-GJL-250 (GG25) body & plate - PS: 16 bar - ⚠ **Not suitable for pulsatory pace - Max. speed 3m/sec.**

3.1
see p. 23

360 - Cast iron - Metal seat

TS: -10°C/+120°C.

362 - Cast iron - EPDM seat

TS: -10°C/+80°C.



DN	40	50	65	80	100	125	150	200	250	300
face to face	180	200	240	260	300	350	400	500	600	700
360 code	360040	360050	360065	360080	360100	360125	360150	360200	360250	360300
362 code	362040	362050	362065	362080	362100	362125	362150	362200	362250	362300

Excluded from 2014/68/EU Directive (art. 4, §3) - Flanged RF PN10/16 - EN 558 series 48 (DIN 3202 F6) - EN-GJS-500-7 (GGG50) body - EPDM coated ductile iron plate - Full bore - With draining cap - PS: 10 bar for PN10 valves, 16 bar for PN16 valves - FFS: -10°C/+80°C.



357 - EPDM swing plate



DN	50	65	80	100	125	150	200	250	300
face to face	200	240	260	300	350	400	500	600	700
PN10 code	-	-	-	-	-	-	357200	357250	357300
PN16 code	357050	357065	357080	357100	357125	357150	357201	357251	357301



Pipes & fittings

Camozzi push-in fittings for water equipment, PE pipe system, galvanised malleable fittings, repair clamps and distribution manifolds.

D Camozzi Series 7000 — Beverage & Water filtration

GRIPfit push-in fittings for drinking water, water filters, dispensers, coffee and beverage machines. Easy connection and disconnection; made from low-lead brass and bio-sourced composite, certified for potable water and food contact.



MATERIAL

Low-lead brass CW510L, bio-sourced composite

TUBES

Ø 4, 6, 8 mm

THREADS

G1/8, G1/4, G3/8 (ISO 228 BSPP)

CERTIFICATIONS

**NSF · potable water · food contact ·
REACH · RoHS**

Straight, elbow, tee and adapter versions. Datasheets, certificates and prices on request — INO also supplies matching tubes and the Camozzi X-series stainless fittings.

Polyethylene piping system



Brass fittings for PE pipes

Material: brass CW617N - Agreement: DIN 8076-1 - Excluded from 2014/68/EU directive (article 1, §2.b) - PS: 16 bar up to Ø 63, 10 bar above - TS: +4°C/+40°C - Male conical bearing - NBR o-ring.



Male



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	811075	811090

Female



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	810075	810090

Equal socket



Ø	20	25	32	40	50	63	75	90
code	813020	813025	813032	813040	813050	813063	813075	813090

Reduced male



Ø	25-1/2"	32-3/4"	40-1"	50-1"1/4	63x1"1/2
code	862425	862532	862640	862750	862863

Elbow 90° male



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 90° female



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

Elbow 90° socket



Ø	20	25	32	40	50	63	75
code	816020	816025	816032	816040	816050	816063	866075

Equal tee



Ø	20	25	32	40	50	63	75	90
code	814020	814025	814032	814040	814050	814063	814075	814090

Tee female/male



Ø	20-1/2"M-3/8"F	25-1/2"M-3/8"F	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-1"1/2F	75-2"1/2M-2"F	90-3"M-2"1/2F
code	815420	815524	815525	815632	815740	815850	815963	865075	865090

Fitting with free nut & flat gasket



Ø	20-3/4"	25-3/4"	25-1"	32-1"
code	806520	806525	806625	806632

Long socket for repairing



Ø	25	32	40	50
code	807025	807032	807040	807050

Ball valve w/ free nut

After water meter



Ø	25-3/4"	25-1"	32-3/4"	32-1"
code	490254	490264	490354	490364



Wall connection female

Ø	20-1/2"	25-1/2"	25-3/4"
code	819420	819425	819525

Ball valve w/ free nut & drain outlet

After water meter



Ø	25-3/4"
code	491254

Malleable cast iron fittings



Malleable cast iron threaded fittings - S-First



Manufacturing acc. to EN 10242 - Use: cold water, hot water, heating, fire network, sprinklers, hydrocarbons, compressed air, steam - Material acc. to EN 1562: malleable cast iron EN-GJMB-350-10, A design - Coating: black or hot-dipped galvanised - Galvanised coating for drinking water compatibility - BSP thread acc. to ISO 7-1 - PS: 1/8" to 3/4", 25 bar up to 120°C, 20 bar above; 1" and above, 20 bar up to 120°C, 16 bar above - TS: -20°C/+300°C.



1 - 90° long sweep bend male/female



Ø	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	1	1	1	1	1	1
black code	001008N	001012N	001015N	001020N	001026N	-	001040N	001050N	-	-	-
galv. code	001008G	001012G	001015G	001020G	001026G	001033G	001040G	001050G	001066G	001080G	001102G

2 - 90° long sweep bend female/female



Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	1	1	1	1	1	1
black code	002015N	002020N	002026N	-	-	-	-	-	-
galv. code	002015G	002020G	002026G	002033G	002040G	002050G	002066G	002080G	002102G

3 - 90° long sweep bend male/male



Ø	1"	1"1/2"
pack	10	1
galv. code	003026G	003040G

94 - 90° equal elbow male/male



Ø	1/2"	3/4"
pack	1	1
black code	094015N	094020N

40 - 45° long sweep bend male/female



Ø	2"	2"1/2"	3"
pack	1	1	1
black code	-	-	040080N
galv. code	040050G	040066G	-

41 - 45° long sweep bend female/female



Ø	1"1/2"	2"1/2"
pack	1	1
galv. code	041040G	041066G

90 - 90° equal elbow female/female



Ø	3/8"	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"	2"1/2"	3"	4"
pack	10	10	10	10	1	1	1	1	1	1
black code	090012N	090015N	090020N	090026N	090033N	090040N	090050N	-	-	-
galv. code	090012G	090015G	090020G	090026G	090033G	090040G	090050G	090066G	090080G	090102G

92 - 90° equal elbow male/female



Ø	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	1	1	1	1	1	1
black code	092008N	092012N	092015N	092020N	092026N	092033N	092040N	092050N	092066N	092080N	-
galv. code	092008G	092012G	092015G	092020G	092026G	092033G	092040G	092050G	092066G	092080G	092102G

96 - 90° union elbow conical bearing female/female



Ø	1/2"	3/4"	1"	1"1/4"	1"1/2"	2"
pack	10	10	10	1	1	1
black code	096015N	096020N	096026N	096033N	096040N	096050N
galv. code	096015G	096020G	096026G	096033G	096040G	096050G

Water supply & distribution network fittings



Repair clamps

Excluded from 2014/68/EU Directive (article 1, §2.b) - F304 stainless steel band - Steel bolts - PS: see tables - TS: -10°C/+60°C for EPDM gasket & 0°C/+85°C for NBR gasket - Potable water certification (ACS & PZH), except for 1405 - Suitable for rigid pipes such as cast iron, steel, PVC, low density PE.

⚠ Do not use on high density PE pipes.



1401 - M type - 1 bolt - Stainless steel clamp - EPDM gasket - Length 80 mm

min. ext. pipe Ø	21	26	29	33	38	42	48	50	55	60	65	69	71	76
max. ext. pipe Ø	25	30	33	37	42	45	51	54	60	64	69	73	76	82
PS code	1401021	1401026	1401029	1401033	1401038	1401042	1401048	1401050	1401055	1401060	1401065	1401069	1401071	1401076

min. ext. pipe Ø	82	87	94	99	105	112	120	126	131	139	156	167
max. ext. pipe Ø	87	93	100	104	111	118	126	131	136	145	162	173
PS code	15	15	15	15	13	13	13	10	10	10	8	8
code	1401082	1401087	1401094	1401099	1401105	1401112	1401120	1401126	1401131	1401139	1401156	1401167



1407 - AB type - 3 bolts - Stainless steel clamp - EPDM gasket - Length 200 mm

min. ext. pipe Ø	60	68	77	88	98	108	114	126	138	140	150
max. ext. pipe Ø	68	76	88	97	107	113	125	138	150	153	162
PS code	30	29	28	26	25	23	22,5	21,5	19,5	19	18
code	1407060	1407068	1407077	1407088	1407098	1407108	1407114	1407126	1407138	1407140	1407150



1403 - AB type - 3 bolts - Ductile iron clamp - EPDM gasket - Length 200 mm

min. ext. pipe Ø	48	56	60	68	78	88	98	108	114	126	138	140	150	162
max. ext. pipe Ø	56	64	68	78	88	98	108	118	126	138	150	153	162	174
PS code	16	16	16	16	16	16	16	16	16	16	16	16	16	16
code	1403048	1403056	1403060	1403068	1403078	1403088	1403098	1403108	1403114	1403126	1403138	1403140	1403150	1403162

min. ext. pipe Ø	168	174	186	198	210	222	234	243	273
max. ext. pipe Ø	182	186	198	210	223	234	246	255	285
PS code	16	16	16	16	16	10	10	10	10
code	1403168	1403174	1403186	1403198	1403210	1403222	1403234	1403243	1403273



1405 - AB type - 3 bolts - Ductile iron clamp - NBR gasket - Length 200 mm

min. ext. pipe Ø	48	56	60	68	78	88	98	108	114	126	138	140	150	162
max. ext. pipe Ø	56	64	68	78	88	98	108	118	126	138	150	153	162	174
PS code	16	16	16	16	16	16	16	16	16	16	16	16	16	16
code	1405048	1405056	1405060	1405068	1405078	1405088	1405098	1405108	1405114	1405126	1405138	1405140	1405150	1405162

min. ext. pipe Ø	168	174	186	198	210	222	234	243	273
max. ext. pipe Ø	182	186	198	210	223	234	246	255	285
PS code	16	16	16	16	16	10	10	10	10
code	1405168	1405174	1405186	1405198	1405210	1405222	1405234	1405243	1405273



1408 - AB type - 4 bolts - Ductile iron clamp - EPDM gasket - Length 300 mm

min. ext. pipe Ø	48	56	60	68	78	88	98	108	114	126	138	140	150	162
max. ext. pipe Ø	56	64	68	78	88	98	108	118	126	138	150	153	162	174
PS code	16	16	16	16	16	16	16	16	16	16	16	16	16	16
code	1408048	1408056	1408060	1408068	1408078	1408088	1408098	1408108	1408114	1408126	1408138	1408140	1408150	1408162

min. ext. pipe Ø	168	174	186	198	210	222	234	243	273
max. ext. pipe Ø	182	186	198	210	223	234	246	255	285
PS code	16	16	16	16	10	10	10	10	10
code	1408168	1408174	1408186	1408198	1408210	1408222	1408234	1408243	1408273



1406 - D type (double shell) - 3 x 2 bolts - Ductile iron clamp - EPDM gasket - Length 200 mm

min. ext. pipe Ø	88	114	138	160	182	202	217	240	262	273	296	324	346	365	387	410	428	450	470	492
max. ext. pipe Ø	110	137	160	182	202	224	240	262	284	296	319	346	368	387	410	432	450	474	492	516
PS code	16	16	16	16	16	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
code	1406088	1406114	1406138	1406160	1406182	1406202	1406217	1406240	1406262	1406273	1406296	1406324	1406346	1406365	1406387	1406410	1406428	1406450	1406470	1406492



1409 - D type (double shell) - 4 x 2 bolts - Ductile iron clamp - EPDM gasket - Length 300 mm

min. ext. pipe Ø	88	114	138	160	182	202	217	240	262	273	296	324	346	365	387	410	428	450	470	492
max. ext. pipe Ø	110	137	160	182	202	224	240	262	284	296	319	346	368	387	410	432	450	474	492	516
PS code	16	16	16	16	16	10	10	10	10	10	10	10	7	7	7	7	7	7	7	7
code	1409088	1409114	1409138	1409160	1409182	1409202	1409217	1409240	1409262	1409273	1409296	1409324	1409346	1409365	1409387	1409410	1409428	1409450	1409470	1409492





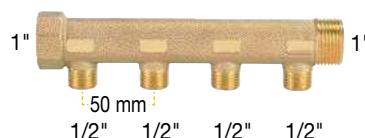
Flat bearing manifolds

■ Modular manifolds

**Male/female - 3/4" - Ø body 24 mm for 2 to 6 outlets - Ø body 26 mm for 7 outlets**

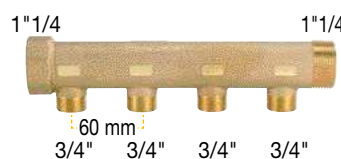
Ø outlet 1/2" - Center distance 50 mm.

outlets	2	3	4	5	6	7
code	ECOMPF42	ECOMPF43	ECOMPF44	ECOMPF45	ECOMPF46	CCOMPF47

**Male/female - 1" - Ø body 30 mm**

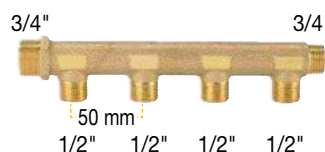
Ø outlet 1/2" - Center distance 50 mm.

outlets	2	3	4	5	6	7
code	CCOMP102	CCOMP103	CCOMP104	CCOMP105	CCOMP106	CCOMP107

**Male/female - 1"1/4 - Ø body 39 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 19 mm for 1 outlet - Ø body 23 mm for 2 to 9 outlets**

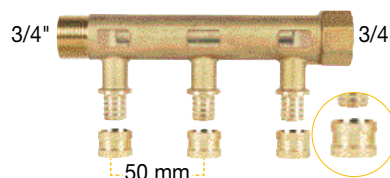
Ø vertical outlet 1/2" - Center distance 50 mm.

outlets	1	2	3	4	5	6	7	8	9
code	CCOMP41	CCOMP42	CCOMP43	CCOMP44	CCOMP45	CCOMP46	CCOMP47	CCOMP48	CCOMP49

■ Modular manifolds with built-in fittings

With radial press fittings - 3/4" - Ø body 26 mm

Center distance 50 mm.



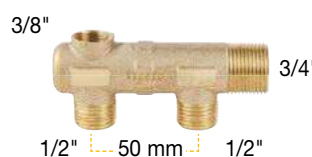
For PER pipe 10 x 12						For PER pipe 13 x 16				
outlets	2	3	4	5	6	2	3	4	5	6
code	GCOL4212	GCOL4312	GCOL4412	GCOL4512	GCOL4612	GCOL4216	GCOL4316	GCOL4416	GCOL4516	GCOL4616

**With sliding fittings - 3/4" - Ø body 26 mm**

Center distance 50 mm.

For PER pipe 10 x 12						For PER pipe 13 x 16				
outlets	2	3	4	5	6	2	3	4	5	6
code	RCOL4212	RCOL4312	RCOL4412	RCOL4512	RCOL4612	RCOL4216	RCOL4316	RCOL4416	RCOL4516	RCOL4616

■ Single manifolds with draining outlet

**3/8" - Ø body 25 mm for 2 to 5 outlets - Ø body 28 mm for 6 to 7 outlets**

Ø outlet 1/2" - Center distance 50 mm.

outlets	2	3	4	5	6	7
code	SIMPP42	SIMPP43	SIMPP44	SIMPP45	SIMPP46	SIMPP47

**1" - Ø body 30 mm for 2 to 4 outlets - Ø body 32 mm for 5 to 6 outlets**

Ø outlet 1/2" - Center distance 50 mm.

outlets	3	4	5	6
code	SIMPP103	SIMPP104	SIMPP105	SIMPP106

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