

Plumbing

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What's new!

Pressure reducing valves



p. 420

Thermostatic mixing valves



p. 421

Sanitary expansion tanks

Standard

Food quality & safety butyl membrane -
Legionellosis prevention system - Stainless steel fitting -
Max. pressure: 8 bar - Max. temperature: +99°C.

VAREM



Volume (l)	water heater tank volume (l)	Ø connection	pre-set (bar)	code
5	75	3/4" M	3	VEX05
8	100	3/4" M	3	VEX08
12	150	3/4" M	3	VEX11
* 12	150	3/4" M	3	VEX11FM
* 18	200	3/4" M	3	VEX18
* 25	300	3/4" M	3	VEX25



High capacity

Food quality & safety butyl removable membrane -
Stainless steel connection -
Max. pressure: 10 bar - Max. temperature: +99°C.

VAREM



Volume (l)	height (cm)	Ø connection	pre-set (bar)	code
60	693	1"	2	VEX060
100	760	1"	2	VEX100
200	1080	1"1/2	2	VEX200
300	1180	1"1/2	2	VEX300



Vexbal connection set

For 5 l to 12 l tanks - Includes wall bracket, flexible hose 50 cm & tee.

code
ZKVEX



Square for expansion tank

(up to 25 l)
Threaded 3/4"

code
ZSEQ



Expansion tank fitting

3/4" MMF

code
ZTMMFN

Hammer arresters

With membrane

Max. pressure: 10 bar
Test pressure: 10 bar
Pre-set: 3,5 bar
Max. temperature: +99°C
Butyl membrane - Stainless steel 304 body.



Volume (l)	Ø connection	code
0,16	1/2" M	Z160
0,5	1/2" M	Z050
2	1/2" M	Z200



With spring

Brass body

Ø	female code	male code
1/2"	ABR15	ABR15M
3/4"	ABR20	ABR20M
1"	ABR26	ABR26M
1"1/4	ABR33	ABR33M
1"1/2	ABR40	ABR40M
2"	ABR50	ABR50M

Sanitary safety valves

■ With built-in check valve

Standard



Ø	pack	pre-set (bar)	code
1/2"	20	7	GTH15



With lever

Ø	pack	pre-set (bar)	code
1/2"	25	8,5	GTH15L

To be ordered by multiple of 25 pieces.

■ Brass



Ø	pack	pre-set (bar)	code
1/2"	10	6	23160V
1/2"	10	7	23170V
1/2"	10	8	23180V
1/2"	10	10	23110V
3/4"	10	6	23260V
3/4"	10	7	23270V
3/4"	10	8	23280V
3/4"	10	10	23210V

Pre-set
2,5 to 5 bar,
see page 395



■ Bronze

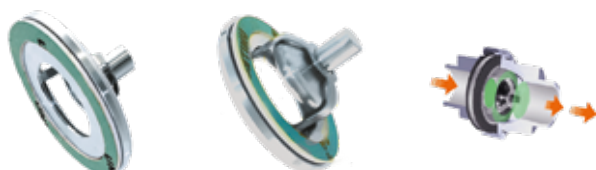


Ø	pre-set (bar)	code
1/2"	7	S15GS07
1/2"	10	S15GS10
3/4"	7	S20GS07
3/4"	10	S20GS10
1"	7	S26GS07
1"	10	S26GS10
1"1/4	7	S33GS07
1"1/2	7	S40GS07
2"	7	S50GS07

Check valve

Thermostop

For flat bearing fitting - Carbon steel or stainless steel construction - Compact - Easy to install - Horizontal or vertical mounting - Full bore - No turbulence - No headloss - Opening at 20 mbar - Max. temperature: +130°C.



Ø	for fitting	carbon steel code	stainless steel code
1/2"	1"	CT15SL	CT15SLI
3/4"	1"1/4	CT20SL	CT20SLI
1"	1"1/2	CT26SL	CT26SLI
1"1/4	2"	CT33SL	CT33SLI
1"1/4	2"1/2	CT40SL	CT40SLI

Boiler accessories

Electric insulation fitting

3 piece fitting - Direct mounting on water heater.



Ø	code
1/2" MF	ZRICE15
3/4" M 1/2" F	ZRICE2015MF
3/4" MF	ZRICE
1" MF	ZRICE26
1/2" FF	ZRICE15F
3/4" FF	ZRICE20F
1" FF	ZRICE26F
1" 1/4 FF	ZRICE33F
1" 1/2 FF	ZRICE40F
2" FF	ZRICE50F



Free flow 2 handle mixers

For water heater max. 50 l - Includes 2 chrome-plated pipes.

code
MEL



Siphon for safety device

code
ZES26

Sanitary hot water production & storage tanks, see pages 406 & 407



Sanitary circulators, see page 391



Standard - Brass

Nickel-plated CW617N brass - With manometer 1/4" outlet - Pre-set pressure: 3 bar - Max. upstream pressure: 15 bar - Downstream adjustable pressure: 1 to 4 bar.



Ø	pack*	code
1/2"	4/44	RPI15
3/4"	4/44	RPI20

* Mandatory packing: 4pcs.

Heavy duty - Brass

Nickel-plated CW617N brass - With manometer 1/4" outlets - Pre-set pressure: 3 bar - Max. upstream pressure: 25 bar - Downstream adjustable pressure: 1 to 6 bar - ACS up to 1".



Female

Ø	pack	face to face (mm)	code
1/2"	34	77	RPI15H
3/4"	34	85	RPI20H
1"	18	91	RPI26H
1 1/4"	9	118	RPI33H
1 1/2"	9	126	RPI40H
2"	8	142	RPI50H



Male union fittings

Ø	pack	face to face with fittings (mm)	code
1/2"	34	123	RPI15HM
3/4"	24	135	RPI20HM
1"	18	156	RPI26HM

NEW

Lead free bronze

Stainless steel seat - Built-in filter - Downstream adjustable pressure: 1,7 to 7 bar - Max. upstream pressure: 16 bar - TS: +5°C/+85°C - With manometer outlets - Includes fittings MM 1/2" to 2" - Replaceable cartridge.



Ø	face to face with fittings (mm)	code
1/2"	136	R90015
3/4"	152	R90020
1"	170	R90026
1 1/4"	191	R90033
1 1/2"	220	R90040
2"	254	R90050

NEW

Cast iron

Polyamide coating - Corrosion & cavitation resistant - Flanged PN16 - Downstream adjustable pressure: 1,7 to 7 bar - Max. upstream pressure: 16 bar - Includes manometer.



Ø	face to face (mm)	code
50	230	R38250
65	290	R38265

Heavy duty - Bronze

Stainless steel seat - Built-in filter - Downstream adjustable pressure: 1 to 8 bar.



Male union fittings

Max. upstream pressure: 40 bar - With manometer outlets.

Ø	face to face with fittings (mm)	code
1/2"	135	R68115
3/4"	160	R68120
1"	178	R68126
1 1/4"	226	R68133
1 1/2"	226	R68140
2"	260	R68150



Flanged PN16

Max. upstream pressure: 16 bar - Includes manometers.

DN	face to face (mm)	code
50	230	246827
65	290	246828
80	310	246829

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

NEW 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
	36 - 53°C			JRG342048
	45 - 65°C			JRG342055
4,000	20 - 30°C	1"	1"1/2	JRG342625
	30 - 45°C			JRG342640
	36 - 53°C			JRG342648
	45 - 65°C			JRG342655

flow (m³/h, Δp 1)	temperature range	Ø fitting (R)	threaded body (G)	code
8,000	20 - 30°C	1"1/4	2"	JRG343325
	30 - 45°C			JRG343340
	36 - 53°C			JRG343348
	45 - 65°C			JRG343355
12,200	20 - 30°C	1"1/2	2"1/4	JRG344025
	30 - 45°C			JRG344040
	36 - 53°C			JRG344048
	45 - 65°C			JRG344055
16,200	20 - 30°C	2"	2"3/4	JRG345025
	30 - 45°C			JRG345040
	36 - 53°C			JRG345048
	45 - 65°C			JRG345055

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

■ Toilet pipes & bellows

Extensible

PVC bellow with weaved spiral (carbon steel thread) -
Inlet: soft PVC universal fitting adaptable for Ø 80 to 105 mm -
Outlet: PVC male end for Ø 90 to 100 mm; with glue -
Extension: straight 250/540 mm, elbow 350/650 mm.

	pack	code
straight	15	PIPEXT
elbow	12	PIPEC650

Extensible with rim fitting

PVC bellow with weaved spiral (carbon steel thread) -
Inlet: soft PVC universal fitting adaptable for Ø 80 to 105 mm -
Outlet: rim fitting for Ø 90 to 100 mm; without glue -
Extension 250/540 mm.

pack	code
15	PIPEXTJ

Soft

PVC bellow with reinforced fitting: naked internal face - Inlet: soft PVC universal fitting adaptable for Ø 80 to 105 mm -
Outlet: PVC male end for Ø 90 to 100 mm -
Temperature: -10°C to +60°C.

length (mm)	pack	code
400	15	PIP400
540	15	PIP540

Elbow

PVC & PP - Outlet Ø 100 -
Toilet outlet Ø 85 to 107 mm.

length (mm)	Ø	pack	code
120	F	12	PIPF120
120	M	12	PIPM120
350	M	12	PIPM350

length (mm)	Ø	pack	code
120	F	12	PIFP120
120	M	12	PIPM120
350	M	12	PIPM350

Straight

PVC & PP - Outlet Ø 100 -
Toilet outlet Ø 85 to 107 mm.

length (mm)	Ø	pack	code
160	M	12	PIPM160

length (mm)	Ø	pack	code
160	F	12	PIPF160

Coil

Reinforced ABS bellow - Sleak interior Ø 25 & 32 mm -
Max. temperature: +60°C.

Ø	coil length (m)	code
25 x 32	20	GTL32020
32 x 40	20	GTL40020

Free nut end fitting

Ø	pack	code
32 x 1"1/4	10	ET114
40 x 1"1/4	10	ET40114
40 x 1"1/2	10	ET112

Female end fitting

Ø	pack	code
32 x 32	10	E32FL
40 x 32	10	E4032FL
40 x 40	10	E40FL

Male end fitting

Ø	pack	code
32 x 32	10	E32ML
40 x 32	10	E4032ML
40 x 40	10	E40ML

■ PVC bellows for siphon

Weaved spiral (conical end) bellow

Direct mounting on standard siphons -
Extension 300/600 mm.

Ø	code
32 x 32	RECM32
40 x 40	RECM40

Weaved spiral (flat end) bellow

Extension 300/600 mm.

Ø	free nut	code
32	1"1/4	REC32
40	1"1/2	REC40

Siphon mounted bellow

Ø	free nut	length (mm)	code
25 x 32	1"1/4	750	GTL32 0750
32 x 40	1"1/2	750	GTL40 0750

■ Extensible LATOREX bellows

Extensible bellow

Extension 300/600 mm -
Perfect tightness.

Ø	pack	code
40	50	LAT40

Union fitting

Ø	pack	code
1"1/4	10	LATE114
1"1/2	10	LATE112

Male fitting

Ø	pack	code
32	10	LAT32ML
40	10	LAT40ML

Toilet macerators, see page 470





■ Valves for washing machines & toilet flush tanks



Sanitary valve with gland pack

Ø	pack	code
3/8"	10	1341003



Sanitary valve for copper pipe

Ø	pack	code
1/2" - 3/8"	2	640043
1/2" - Ø 10	1	640410



Sanitary valve set

Ø	pack	code
1/2" - 3/4" - 10	1	1336045



Washing machine valve - Standard

Ø	pack	code
1/2" - 3/4"	10/100	1325004



Washing machine valve - Self-drilling

Ø	pack	code
10 to 14 - 3/4"	1/10/50	1330005



Washing machine valve - Vertical double outlet

Ø	pack	code
1/2" - 3/4" - 3/4"	1/10	1328004



Wall valve connection - 1/2"

Ø	pack	code
14 - 1/2"	10	1312004



Screw driving ball valve

Male/male with flat bearings



Ø	pack	code
3/8"	10	688033
3/8" - 1/2"	10	688043
1/2"	10	688044



Sanitary valve - Straight

Ø	pack	code
3/8" - 3/8"	10/200	679003



Sanitary valve - Angle

Ø	pack	code
3/8" - 3/8"	10/200	689003



Washing machine ball valve

Ø	pack	code
1/2" - 3/4"	10/200	685045



Washing machine ball valve with rose

Ø	pack	code
1/2" - 3/4"	10/200	684045



Washing machine valve - Y double outlet

Ø	pack	code
1/2" - 1/2"	1/10	1334004



Wall valve connection - 1/2" with nut

Ø	pack	code
12 - 1/2"	10	1311412
14 - 1/2"	10	1311414

■ Washing machine bellows

Alimentation set

Max. pressure: 20 bar -
Temperature range: 0°C/+25°C - Ø 10 mm.



Elbow outlet
FF 3/4"

length (mm)	code
1500	1371001
2000	1371002
2500	1371003



Straight outlet
FM 3/4"

length (mm)	code
2000	1371004



Straight outlet
FF 3/4"

length (mm)	code
1500	1373001
2000	1373002
2500	1373003



Drainage set

Temperature range: 0°C/+60°C.

Ø 19x24 mm -
Removable crock
& rubber end.

length (mm)	code
1500	1372001
2000	1372002
2500	1372003



Ø 19x28 mm -
Extensible -
Elbow outlet.

length (mm)	code
600-2000	1374001



Ø 19x28 mm -
Extensible -
Straight outlet.

length (mm)	code
600-2000	1375001

■ Washing machine siphons

PVC pipe - ABS body & elbow - Polypropylene cap - NBR gasket - Pipe Ø 40 mm -
Temperature: 0°C to +90°C.

Horizontal male

pack	code
25	1370001



Funnel

pack	code
100	1370003



Vertical male

pack	code
30	1370002

Water meters

■ Single jet



Use: water distribution - Acc. to MID 2014/32/EU - M-Bus transmission protocol - Pre-equipped for radio or wired M-Bus - Brass body - Magnetic transmission - Dry dial - Max. pressure: 16 bar - Cold water: 0°C/+30°C - Hot water: +30°C/+90°C.



Cold water - MID R100

Hot water - MID R100

bore	Ø	length (mm)	nominal flow (m³/h)	max. flow (m³/h)	cold water code	hot water code
15	3/4"	110	2,5	3,1	1701015	1702015
20	1"	130	4	5	1701020	1702020

M-Bus clip-on pulser

Wireless.

code
1749001



Receiving antenna

code
1749007



M-Bus clip-on pulser

2 thread wire - 3 m length.

code
1749004



M-Bus micromaster

Primary address setting.

code
1749016

■ Single jet - Pulse transmitter



Use: water distribution - Acc. to MID 2014/32/EU - Brass body - Magnetic transmission - Dry dial - Max. pressure: 16 bar - Cold water: 0°C/+30°C - Hot water: +30°C/+90°C - REED contact for pulse transmitter types (please advise the required number of pulses at the order).



Cold water - MID R100

Hot water - MID R100

bore	Ø	length (mm)	nominal flow (m³/h)	max. flow (m³/h)	cold water 1x11 code	hot water 1x11 code
15	3/4"	110	2,5	3,1	1714015	1727015
20	1"	130	4	5	1714020	1727020

Pulse transmitter

code
9811018

maddalena®



Use: water distribution - Acc. to EN ISO 4064 & MID MI001 2014/32/EU - Pre-equipped for pulse transmitter (1 pulse per 10l) - Brass body - Dry dial - Max. pressure: 16 bar - Cold water: max. 50°C - Hot water: max. 90°C - Q3/Q1: Horizontal = R160; Vertical = R63 - Vertical or horizontal mounting.



Cold water - MID R160

Hot water - MID R160

bore	Ø	length (mm)	nominal flow (m³/h)	cold water code	hot water code
15	3/4"	110	2,5	2703015	2704015
20	1"	130	4	2703020	2704020

REED switch pulser

1 pulse per 10l.

code
2749030

maddalena®

Use: water distribution - Acc. to EN ISO 4064 & MID MI001 2014/32/EU - Pre-equipped for pulse transmitter (1 pulse per 10l) - Brass body - Dry dial - Max. pressure: 16 bar - Cold water: max. 50°C - Hot water: max. 90°C - Q3/Q1: Horizontal = R160; Vertical = R100 - Vertical or horizontal mounting.



Cold water - MID R160

Hot water - MID R160

bore	Ø	length (mm)	Q3 (m³/h)	cold water code	hot water code
15	3/4"	110	2,5	2740015	2743015
20	1"	130	4	2740020	2743020
25	1 1/4"	160	6,3	2740025	2743025



REED switch pulser

1 pulse per 10l.

code
2749031



Woltmann & irrigation water meters, see page 212



Multi jet - Remote reading



NEW

Use: water distribution - Acc. to MID 2014/32/EU - M-Bus transmission protocol - Pre-equipped for wireless M-Bus, wired M-Bus or static pulses - Brass body - Magnetic transmission - Dry dial - 50 m scope - IP68 - Cold water: 0°C/+30°C - Hot water: +30°C/+90°C.



Cold water - MID R100

Hot water - MID R100

bore	Ø	length (mm)	nominal flow (m³/h)	max. flow (m³/h)	cold water code	hot water code
15	3/4"	170	2,5	3,1	1770015	1707115
20	1"	190	4	5	1770020	1707120
25	1"1/4	260	6,3	7,8	1770025	1707125
30	1"1/2	260	10	12,5	1770030	1707130
40	2"	300	16	20	1770040	1707140
50	2"1/2	300	25	31,2	1770050	1707150

Programmable static pulse head

For smartphone NFC function.



code
1749060



M-Bus clip-on pulser

2 thread wire - 3 m length.

code
1749061



M-Bus micromaster

Primary address setting.

code
1749016

maddalena

Use: water distribution - Acc. to EN ISO 4064 & MID MI001 2014/32/EU - Pre-equipped for pulse transmitter (1 pulse per 1l, 10l or 100l) - Brass body - Tempered glass - Dry dial - Protected rolls - Max. pressure: 16 bar - Cold water: max. 50°C - Q3/Q1: Horizontal = 160 - Horizontal mounting only.



Cold water - MID R160



bore	Ø	length (mm)	Q3 (m³/h)	1=1l code	1=10l code	1=100l code
15	3/4"	170	2,5	2771015	2771016	2771017
20	1"	190	4	2771020	2771021	2771022
25	1"1/4	260	6,3	2771025	2771026	2771027
32	1"1/2	260	10	2771032	2771033	2771034
40	2"	300	16	2771040	2771041	2771042
50	2"1/2	300	25	2771050	2771051	2771052

REED switch pulser

1 pulse per 1l, 10l or 100l.



code
2749034



Static inductive bidirectional pulser

1 pulse per 1l or 100l.

code
2749035

Accessories



Remote digital display

Up to 4 water meters.

code
1749021



Remote digital display with reset

code
2749023

Free nut with sealing hole & gasket (sold by single piece)



Ø F	1/2"	3/4"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	2"3/8*
Ø M	3/8"	1/2"	3/4"	3/4"	1"	1"1/4	1"1/2	2"	2"
bore	-	15	15	20	25	30	40	50	50
pack	10	10	10	10	1	1	1	1	1
code	9811093	9811054	9811094	9811065	9811076	9811087	9811098	9811099	9811199

* sold by 2 pcs. For thermal energy meter, bore 50.



* composite

Positive displacement - Remote reading - Static pulse

Use: water distribution - Acc. to EN ISO 4064 & MID M1001 2014/32/EU - M-Bus transmission protocol - Pre-equipped for radio or wired M-Bus - Brass or composite body - Positive displacement rotary piston - Dry dial - Max. pressure: 16 bar - Cold water: max. 50°C - Q3/Q1: Ø15 to 32 = R400; Ø40 = R315 (approved R800) - Horizontal or vertical mounting.



Cold water - MID R400

bore	Ø	length (mm)	Q3 (m³/h)	code
* 15	3/4"	110	2,5	2775115
15	3/4"	110	2,5	2775215
15	3/4"	170	2,5	2775015
20	1"	190	4	2775020
25	1 1/4"	260	6,3	2775025
32	1 1/2"	260	10	2775032
40	2"	300	16	2775040

Wireless M-Bus module radio

868 MHz.

bore	code
15-20	2749025
25-32-40	2749125



Remote receiver set

USB or Bluetooth connections.

code
2749024A

Arrow mobile radio software

code
2749014

Static inductive bidirectional pulser

1 pulse per 1l (bores 15 to 32),
1 pulse per 10l (bore 40).

bore	code
15-20	2749036
25-32-40	2749136



Wired M-Bus pulser

1 pulse per 1l (bores 15 to 32),
1 pulse per 10l (bore 40).

bore	code
15-20	2749033
25-32-40	2749133

M-Bus micromaster

Primary address setting.

code
1749016

Thermal energy meters

Single jet - Mechanical design

Domestic use - Acc. to EN1434 - Class 3 & MID 2014/32/EU - M-Bus transmission protocol - Bidirectional inductive transmission - microCLIMA electronic calculator - PT1000 temperature probes - 1,5 m external probe wire - Replaceable battery (10 year service) - All positions - Max. temperature: 90°C - Inlet or outlet circuit installation - Pre-equipped for external power supply - Probes mounting tee included.



	bore	Qp	length (mm)	heating code	cooling & heating code
Standard *	15	1,5	110	2730915	-
	15	1,5	110	2730015	2731015
	20	2,5	130	2730020	2731020
2 pulse outlets *	15	1,5	110	2730916	-
	15	1,5	110	2730016	2731016
	20	2,5	130	2730021	2731021
M-Bus *	15	1,5	110	2730917	-
	15	1,5	110	2730017	2731017
	20	2,5	130	2730022	2731022

* non detachable housing.

Single jet - Ultrasonic design

Commercial use - Acc. to EN1434 - Class 2 & MID 2014/32/EU - M-Bus transmission protocol - Reverse flow & air detection - microCLIMA electronic calculator - PT1000 temperature probes - 1,5 m wire - Replaceable battery (10 year service) - All positions - Max. temperature: 90°C (130°C on request) - Inlet or outlet circuit installation - Probes mounting tee included.



	bore	Qp	length (mm)	heating code	cooling & heating code
Standard	15	1,5	110	2751015	2761015
	20	2,5	130	2751020	2761020
	20GD	3,5	130	2751120	2761120
	25	3,5	150	2751025	2761025
	25GD	6	150	2751125	2761125
	25GD	6	260	2751225	2761225
	40	10	200	2751040	2761040
	40	10	300	2751140	2761140
2 pulse outlets	15	1,5	110	2751016	2761016
	20	2,5	130	2751021	2761021
	20GD	3,5	130	2751121	2761121
	25	3,5	150	2751026	2761026
	25GD	6	150	2751126	2761126
	25GD	6	260	2751226	2761226
	40	10	200	2751046	2761046
	40	10	300	2751146	2761146
M-Bus	15	1,5	110	2751017	2761017
	20	2,5	130	2751022	2761022
	20GD	3,5	130	2751122	2761122
	25	3,5	150	2751027	2761027
	25GD	6	150	2751127	2761127
	25GD	6	260	2751227	2761227
	40	10	200	2751047	2761047
	40	10	300	2751147	2761147



Optical head

Programming modification & meter reading.

code
2749070

Multi jet

Collective use - Acc. to EN1434 - Class 3 & MID 2014/32/EU - M-Bus transmission protocol - Meter + calculator + probes + tees or fittings - Multi jet meter - microCLIMA electronic calculator - PT500 temperature probes - 3 m wire - Replaceable batteries (10 year service) - Horizontal mounting - Max. temperature: 90°C - Pre-equipped for external power supply.



	bore	tee	Qn	length (mm)	heating code	cooling & heating code
2 pulse outlets	15	1/2"	1,5	165	2744015	2745015
	20	3/4"	2,5	190	2744020	2745020
	25	1"	3,5	260	2744025	2745025
	25GD	1"	6	260	2744125	2745125
	32	1"1/4	6	260	2744032	2745032
	40	1"1/2	10	300	2744040	2745040
M-Bus with 3 pulse inlets	50	2"	15	300	2744050	2745050
	15	1/2"	1,5	165	2744016	2745016
	20	3/4"	2,5	190	2744021	2745021
	25	1"	3,5	260	2744026	2745026
	25GD	1"	6	260	2744126	2745126
	32	1"1/4	6	260	2744033	2745033
	40	1"1/2	10	300	2744041	2745041
	50	2"	15	300	2744051	2745051



Optical head

Programming modification & meter reading.

code
2749070

High flow - Woltman

Collective use - Acc. to EN1434 - Class 3 & MID 2014/32/EU - M-Bus transmission protocol - Meter + calculator + probes + fittings - Woltman meter - microCLIMA electronic calculator - PT500 temperature probes - 3 m wire - Replaceable batteries (10 year service) - All positions - Max. temperature: 130°C - Pre-equipped for external power supply.



	DN	Qn	length (mm)	heating code	cooling & heating code
2 pulse outlets	50	15	200	2746050	2747050
	65	25	200	2746065	2747065
	80	32	225	2746080	2747080
	100	60	250	2746100	2747100
	125	100	250	2746125	2747125
	150	150	300	2746150	2747150
M-Bus with 3 pulse inlets	200	250	350	2746200	2747200
	50	15	200	2746051	2747051
	65	25	200	2746066	2747066
	80	32	225	2746081	2747081
	100	60	250	2746101	2747101
	125	100	250	2746126	2747126
	150	150	300	2746151	2747151
	200	250	350	2746201	2747201



Optical head

Programming modification & meter reading.

code
2749070

Accessories



Valve with probe holder outlet

Ø	1/2"	3/4"	1"
code	9811004	9811005	9811006

Domestic water filtration



■ Solo & Duo BX filtration sets



Solo A - I

Anti-impurity. 3 pieces - 3/4" -
Includes: 1 filter Senior Single 3P - AFP - BX - AS,
1 cartridge RL 10 BX 50 µ, 1 wall support with screws,
1 key, 2 nipples MM 3/4", 1 spare gasket - Food quality
& safety - Max. pressure: 4 bar - Optimal flow: 1600 l/h -
Working temperature: +20°C.

code
491141



Duo

3 pieces - 3/4". Includes:
1 filter Duplex 3/4" with proportional system, 1 cartridge RL
10 BX 50 µ, 1 polyphosphates cartridge HA 10 BX, 1 wall
support with screws, 1 key, 2 nipples MM 3/4", 2 spare
gaskets - Food quality & safety - Max. pressure: 4 bar -
Optimal flow: 1400 l/h - Mounting on cold water inlet only.

code
491151



Solo A - C

Anti-calcareous - 3 pieces - 3/4" -
Includes: 1 filter 3 pieces 3/4"
with proportional system, 1 polyphosphates cartridge
HA 10 BX, 1 wall support with screws, 1 key, 2 nipples
MM 3/4", 1 spare gasket - Food quality & safety -
Max. pressure: 4 bar - Optimal flow: 1400 l/h -
Mounting on cold water inlet only.

code
491646



■ Spare BX cartridges

RL 10 BX - 50 µ

Food use -
Max. temperature: +40°C -
Optimal flow: 1600 l/h.

code
493822

HA 10 BX

Contains polyphosphate
to eliminate calcareous deposit.

code
493834

■ Casing for BX cartridges

Food quality & safety - Max. temperature: +45°C at 2 bar -
Working pressure: 4 bar at +20°C - Brass female inserts.



Senior Single 3P - AFO - BX

3 pieces - 3/4" -
For 10" BX cartridges.

code
491140

Senior Single 3P - BFO - BX

3 pieces - 1" -
For 10" BX cartridges.

code
491145



Senior Duplex 3P - AFO - BX

3 pieces - 3/4" -
For 10" BX cartridges.

code
491150



Senior Triplex 3P - AFO - BX

3 pieces - 3/4" -
For 10" BX cartridges.

code
491170



Master Single 3P - BFO - BX

3 pieces - 1" -
For 20" BX cartridges.

code
491155



Master Duplex 3P - AFO - BX

3 pieces - 3/4" -
For 20" BX cartridges.

code
491160

■ BX cartridges

Water & aggressive liquids filtration - Polypropylene fiber on polypropylene support - Max. temperature: +40°C - Does not fit on 1 1/2 & 2" brass heads.



FA 10 BX - 1 to 3 µ
FA 10 BX - 5 µ
FA 10 BX - 10 µ
FA 10 BX - 25 µ
Set 3 FA 10 BX - 25 µ
FA 10 BX - 50 µ
FA 10 BX - 100 µ
FA 20 BX - 5 µ
FA 20 BX - 25 µ
FA 20 BX - 50 µ
FA 20 BX - 100 µ

height	optimal flow (l/h)	code
10"	1 000	493812
		493813
		493814
		493815
		493461
		493816
		493817
20"	2 000	493818
		493819
		493820
		493821

Food use - ACS agreement - Water filtration - Washable - Polyester net on polypropylene support - Max. temperature: +40°C.



RL 10 BX - 50 µ
RL 20 BX - 50 µ

height	optimal flow (l/h)	code
10"	2 500	493822
20"	4 000	493823

Food use - ACS agreement - Water & aggressive liquids filtration - Washable - Polypropylene pleated fabric on polypropylene support - Max. temperature: +40°C.



RS 10 BX - 50 µ
RS 20 BX - 50 µ

height	optimal flow (l/h)	code
10"	2 500	493826
20"	4 000	493827

Container filled with polyphosphate - Cold water (max. +20°C) - Do not fit on 1 1/2 & 2" brass heads.



HA 10 BX
HA 20 BX

height	optimal flow (l/h)	code
10"	1 500	493834
20"	2 800	493835

Set 2 FA 10 BX + 1 HA 10 BX

code
493451

Food use - Water & aggressive liquids filtration - Washable - Stainless steel 304 pleated fabric on polypropylene support - Max. temperature: +40°C.



SA 10C BX - 50 µ
SA 20C BX - 50 µ

height	optimal flow (l/h)	code
10"	3 000	493830
20"	4 500	493831

Food use - Drinkable water filtration - Ceramic cartridge - Very thin filtration & bacteria / micro-organisms elimination - Working temperature: +35°C.



AB 10 BX - 0,45 µ

height	optimal flow (l/h)	code
10"	300	493798

Food use - Water with chemical products filtration - Activated carbon & polyester fiber.



CA 10 BX - 25 µ
CA 20 BX - 25 µ

height	optimal flow (l/h)	code
10"	600	493836
20"	1 200	493837

■ Polyphosphate doses for calcareous water filtration

Dosal

Uses 3 to 5 g polyphosphate per m³ - Fittings F 3/4" - M 3/4" - 150 g polyphosphate - Max. pressure: 4 bar at +20°C - Mounting on cold water inlet.



code
491630

Dosadrop Mignon L 3P

Mounting on cold water inlet (+20°C) - Anti-calcareous - Proportional dosing - Food use - Max. pressure: 4 bar - Fitting F 1/2".



code
491637

HA - M - SX

Cartridge for Dosadrop Mignon L 3P



code
493799

Polyphosphate

25 kg
 1,5 kg



code
494250
494015

pH test

code
494010

■ Filters accessories



L key For Mignon 3 P
U key For 2 P & 3 P filters

code
494300
494317



By-pass 3/4" for Duplex, Biplax & Duo

code
494350

Brass nipples with o-ring
 (sold by 2)



MM 3/4"
 MM 1"

code
938080
938081

Triplex filter wall support
 Screws included



code
494332

Single filter wall support
 Screws included

Duplex filter wall support
 Screws included



code
494325
494330



Biplex SX filtration set

Includes: 1 filter Senior Duplex 3/4" with proportional system, 1 cartridge FA 10 SX 25 µ, 1 cartridge HA 10 SX, 1 wall support with screws, 1 key - Food quality & safety - Max. pressure: 4 bar - Optimal flow: 1400 l/h - Mounting on cold water inlet only (max. +20°C).

Biplex SX 3/4"

code
491161

Casing for SX cartridges

Food quality & safety - Max. temperature: +45°C at 2 bar - Max. pressure: 4 bar at +20°C - Brass female inserts.



Mignon Single S - 3P - MFO

3 pieces - 1/2" -
For 5" SX cartridges.

code
491101



Junior Single 3P - AFO - SX

3 pieces - 3/4" -
For 7" SX cartridges.

code
491113



Senior HOT 3P - AFP - SX

3 pieces - 3/4" -
Special hot water up to 80°C -
For FA 10 HOT & CPP 110 cartridges.

code
491121



Senior Single 3P - AFO - SX

3 pieces - 3/4" -
For 10" SX cartridges.

code
491120



Senior Single 3P - BFO - SX

3 pieces - 1" -
For 10" SX cartridges.

code
491125



Senior Duplex 3P - AFO - SX

3 pieces - 3/4" -
For 10" SX cartridges.

code
491135

Senior Triplex 3P - AFO - SX

3 pieces - 3/4" -
For 10" SX cartridges.

code
491180

SX cartridges

Water & aggressive liquids filtration - Polypropylene.

Max. temperature: +40°C

FA Mignon SX - 5 µ

FA Mignon SX - 25 µ

FA 7 SX - 5 µ

FA 7 SX - 25 µ

FA 10 SX - 1 to 3 µ

FA 10 SX - 5 µ

FA 10 SX - 10 µ

FA 10 SX - 25 µ

*Set 3 FA 10 SX - 25 µ

height	optimal flow (l/h)	code
5"	500	493800
5"	500	493801
7"	1 400	493802
7"	1 400	493803
10"	2 000	493902
10"	2 000	493804
10"	2 000	493839
10"	2 000	493805
10"	2 000	493460

Max. temperature: +80°C

FA 10 HOT SX - 25 µ

height	optimal flow (l/h)	code
10"	2 000	493951

Potable water filtration & reversed osmosis systems pre-filtration - ACS agreement - Polypropylene - Max. temperature: +80°C.

CPP 110 SX - 1 µ

CPP 110 SX - 5 µ

CPP 110 SX - 25 µ

height	optimal flow (l/h)	code
10"	2 000	493760
10"	2 000	493761
10"	2 000	493763

Set 2 FA 10 SX + 1 HA SX

code
493450



Food use - Water with chemical products filtration - Activated carbon & polyester fiber.

CA 10 SX - 25 µ

height	optimal flow (l/h)	code
10"	600	493806



Food use - ACS agreement - Washable - Pleated polyester fabric - Especially used for swimming pools - Usable for air filtration - Max. temperature: +40°C.

TS 10 SX - 50 µ

height	optimal flow (l/h)	code
10"	2 500	493807



Food use - ACS agreement - Washable - Polyester net - Max. temperature: +40°C.

RL 10 SX - 50 µ

height	optimal flow (l/h)	code
10"	2 500	493808



Container filled with polyphosphate - For 10" filters - Cold water (max. +20°C).

HA 10 SX

height	optimal flow (l/h)	code
10"	1 500	493811

Hydra manual self-cleaning filters



Upstream cleaning by draining valve opening - Stainless steel 316 RAH cartridge (90 µ filtration) - Min. pressure: 1 bar; max. pressure: 8 bar - Max. temperature: 45°C - Includes bracket & key.

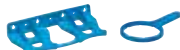


Hydra 3/4"
Hydra 1"
Hydra 1 1/4"
Hydra 1 1/2"

max. flow (l/h)	recommended flow (l/h)	code
5 000	2 500	491801
6 000	4 000	491802
8 000	6 000	491803
10 000	8 000	491804



Anti-calcareous - 3/4" manual self-cleaning filter with stainless steel 316 RAH cartridge (90 µ filtration), 3/4" polyphosphate HA 10 SX cartridge, bracket & key.



Hydra Duo 3/4" HA

max. flow (l/h)	code
2 500	491810



Activated carbon - 3/4" manual self-cleaning filter with stainless steel 316 RAH cartridge (90 µ filtration), 3/4" activated carbon LA 10 SX cartridge, bracket & key.



Hydra Duo 3/4" LA

max. flow (l/h)	code
2 500	491811



For Hydra filters self-cleaning automation - Includes 230V digital programmer, 24V outlet in housing supplied with 1,8 m cable, normalised plug, 1 m cable for coil connection, bronze solenoid valve with 1/2" connection, 24V coil - 2h to 99h backwash programming, 5 to 99s backwash duration - Max. pressure: 8 bar.

Automatism set

code
494345



Cartridge
RAH 90 µ
RSH 50 µ
HA 10 SX
LA 10 SX
Set FA 10 SX 25µ + CB

code
494000
494005JE
493811
493739
493465

Domestic water filtration



Manual self-cleaning filters

Straight fitting - FF 1 1/4 or MM 1" - Discharge valve - Max. pressure: 16 bar.



Smile 1 1/4"

code
491535



Reinforced polyamide head & fittings - Easy opening quick fitting - 89 µ stainless steel cartridge - 360° rotation head - Max flow: 14 m³/h - Max. temperature: 40°C - Max. pressure: 16 bar.

Pico 3/4"
Pico 1"
Pico 1 1/4"

code
491510
491520
491530



Reinforced polyamide head & fittings - Easy opening quick fitting - 89 µ stainless steel cartridge - Backwash cartridge cleaning command - 360° rotation head - Max flow: 14 m³/h - Max. temperature: 40°C - Max. pressure: 16 bar.

Dido 3/4"
Dido 1"
Dido 1 1/4"
Dido 1 1/2"
Dido 2"

code
491410
491420
491430
491440
491450

Liquids filtration

Complete filters - Smart line - Domestic use

Max. temperature: +50°C - Max. pressure: 8 bar - Includes 1 filter 25 µ or filled CTN cartridge, bracket & key.



SL 240 3/4"
SL 240 1"

flow (l/h) for Δp = 0,2 bar	code
3 000	506010JE
3 500	506011



SL 240 TE-CTN 3/4"
SL 240 TE-CTN 1"

flow (l/h) for Δp = 0,2 bar	code
500	506015JE
500	506016JE

Complete filters - Domestic use

Max. temperature: +50°C - Max. pressure: 10 bar - Includes 1 filter 25 µ - NW 25/32: includes union fitting & key.



NW 18 3/4"

flow (l/h) for Δp = 0,2 bar	code
3 500	506018JE



NW 25 3/4"
NW 25 1"

flow (l/h) for Δp = 0,2 bar	code
5 500	506025
5 500	506026



NW 32 1 1/4"

flow (l/h) for Δp = 0,2 bar	code
6 500	506032

Double function filters - Domestic use

25 µ mechanical filtration & water treatment with refillable cartridge (activated carbon or polyphosphates) - Use filter sleeves for NW 25 - Includes empty CTN cartridge, 2 fittings 3/4" & 2 fittings 1".



TIO 1"

code
506027



Same as NW 25 DUO, except supplied with CTN refillable empty cartridge.

NW 25 DUO-CTN

code
506091



**CTN cartridge
filled with activated carbon**
Empty CTN cartridge

code
493960
493961



Activated carbon
3,4 l - For 60 m³ water.

code
506700

Complete filters - Industry

Protection of the installations with filtration of water suspension solid particles - Concentration of the biggest particles in the bottom end thanks to the centrifugal propeller - Easy replacement of the filter sleeve - High constant flow - Low loss factor: 0,2 bar - Max. temperature: +50°C - Pressure use: 10 bar - Includes 25 µ filter sleeve, 2 glycerine filled manometers & drain cock valve.



NW 280 1"
NW 340 1 1/4"
NW 400 1 1/2"

flow (l/h) for Δp = 0,2 bar	code
7 500	506190
8 500	506191
12 000	506192



NW 500 2"

flow (l/h) for Δp = 0,2 bar	code
18 000	506151



NW 650 2 1/2"
NW 800 3"

flow (l/h) for Δp = 0,2 bar	code
25 000	506163
32 000	506176

Filters with water treatment device



NW 32 TE 1 1/4"
1 700 l, supplied empty.

code
506085



NW 500 TE 2"
4 850 l, supplied empty.

code
506187

NW 25 TE-CTN 1"
Supplied with CTN empty cartridge.

code
506081

Wall brackets



Single

For NW 18/25/32 & TIO.

code
506597



Single

For NW 280/340/400.
For NW 500/650/800.

code
506595
506596



Double

For NW 25/32.

code
506599

Filter sleeves (sold by 5)



Filtration	For NW 18	For NW 25, TIO & SL240	For NW 32	For NW 500/650/800 & NW 50/62/75	For NW 280	For NW 340	For NW 400
	code	code	code	code	code	code	code
1 µ	-	506108	506109	506119	506200	506210	506220
5 µ	506096	506100	506110	506120	506201	506211	506221
10 µ	506097	506101	506111	506121	506202	506212	506222
25 µ	506098	506102	506112	506122	506203	506213	506223
50 µ	506095	506104	506114	506124	506204	506214	506224
100 µ	506099	506103	506113	506123	506205	506215	506225
150 µ nylon	-	506105	506115	506125	506206	506216	506226
300 µ nylon	-	506107	506118	506300	506207	506217	506227

UV filters

UV 25 or 40 Watts lamp set - Max. flow: 2000 l/h - Max. pressure: 10 bar - Max. water temperature: +50°C - 2 3/4" fittings for inlet & 2 1" fittings for outlet. ⚠ Mandatory: the lamp has to be changed once a year.



Mono-UV 25 W
Mono-UV 40 W

code
498210
498209



Trio-UV 25 W
Trio-UV 40 W

Includes CTN cartridge filled with activated carbon - Filtration, purification & sterilisation.

code
498212
498213



Duo-UV

Includes 1 filter NW25 (25 µ).

code
498211



25 W lamp set
40 W lamp set
Quartz housing

code
937748
937749
937753



5° rotation to take out & replace the UV lamp

Domestic water filtration & disinfection

UV devices



Domestic water & rain water filtration & disinfection - Electronic control panel with digital display, control lamp & sound alarm - Easy installation - Pressure: 4 bar at 20°C - 230V (50 Hz or 60 Hz) - Connections FF 3/4" - Wall support. ⚠ Mandatory: the lamp has to be changed once a year.



Germi Ultra 500E

Duplex BX 3P 3/4" with cartridge FA 10 BX 25 µ, UV lamp 11 W - Average filtered flow 800 l/h.

code
498001

Quartz housing

code
937723



Maintenance set

code
937890



Germi Ultra 1000E

Master Duplex BX 3P 3/4" with cartridge FA 10 BX 25 µ, UV lamp 25 W - Average filtered flow 2 300 l/h.

code
498005

Quartz housing

code
937724

Sea water & wastewater disinfection & purification

■ UV devices



Installation in wet areas with aggressive atmosphere - Compatible with sea water & its applications - Compatible with wastewater & autonomous sewerage network for reuse in irrigation. ⚠ Mandatory: the lamp has to be changed once a year.



Germi Reuse 60 W

Electronic control panel with lamp operation indicator light, fault indicator & sound alarm - UV lamp 60 W - Max. flow 3 m³/h - PS: 8 bar - Electric connection 230V 50/60 Hz - PEHD processing chamber - Ø inlet DN25, Ø outlet PVC32 - Dimensions (mm): 204 x 75 x 54 - IP68 - Horizontal installation - Includes clamps for wall mounting.

code

498030



Germi Reuse Power 95 W

Electronic control panel with lamp operation indicator light, fault indicator & sound alarm - UV lamp 95 W - Max. flow 6 m³/h - PS: 8 bar - Electric connection 230V 50/60 Hz - PEHD processing chamber - Ø inlet DN40, Ø outlet PVC50 - Dimensions (mm): 204 x 75 x 54 - IP68 - Horizontal installation - Includes clamps for wall mounting.

code

498031

■ Accessories



UV lamp 60 W
UV lamp 95 W

code

937721

937700



Quartz housing

code

937702



Tightness fitting

code

937811



NBR o-ring

code

937810

Outdoor water filtration

■ Complete lamella filters



For irrigation, industrial applications, wastewater recycling, sea water, network protection - Reinforced nylon or fiberglass plastic body - Stainless steel fastener, spring & clamp - Polypropylene lamellas - Max. pressure: 10 bar at 20°C - Max. flow for head loss 0.2 bar with clean filter & clean water - Max. fluid temperature: 80°C.



3/4" red
3/4" yellow
1" red
1" yellow
1 1/2" red short
1 1/2" yellow short

max. flow (m³/h)	filtration	code
3	130 µ	481010
4	200 µ	481015
5	130 µ	481020
6	200 µ	481025
8	130 µ	481030
8	200 µ	481035



1 1/2" red long
1 1/2" yellow long
2" red leader
2" yellow leader

max. flow (m³/h)	filtration	code
9	130 µ	481040
10	200 µ	481045
25	130 µ	481071
25	200 µ	481076

■ Accessories

Cartridges



3/4"
1" & 1 1/2" short
1 1/2" long
2" leader

filtration 130 µ filtration 200 µ

code	code
485050	485055
485060	485065
485070	485075
485110	485115



Cover gasket 3/4"
Cover gasket 1" & 1 1/2"
Cover gasket 2"
Wrench for filter 1" & 1 1/2"

code

485000

485005JE

485014

484999