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CATALOGUE



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CATALOG

**THERMOSTATIC MIXING VALVES**

**ROTARY MIXING VALVES AND ACTUATORS**

**REGULATING GROUPS AND HEATING COMPONENTS**

**COMPONENTS FOR SOLAR THERMAL SYSTEMS**

**ZONE AND DIVERTING VALVES**

**AIR VENT AND DEAERATORS**

**CHECK VALVES AND FOOT VALVES**

**FILTERS AND DIRT SEPARATORS**

**BALL SHUT-OFF VALVES AND COCKS**

**MONOBLOCS**

**RADIATOR VALVES**

**FITTINGS**

**DESIGN RADIATOR VALVES**

VALVES AND COMPONENTS FOR THERMAL, PLUMBING,  
INDUSTRIAL, AND AGRICULTURAL SYSTEMS

dal 1954 made in Italy  
**Barberi**  
RUBINETTERIE INDUSTRIALI

# A FAMILY STORY

70<sup>o</sup>  
ANNIVERSARY



SINCE 1954 IN THE METAL DISTRICT

For 70 years, Barberi has been developing, manufacturing, and distributing valves and components for heating and plumbing systems.

The company has managed to grow, from generation to generation, in both size and spirit of constant innovation. This propensity has led to the recent acquisitions of well-established Italian companies in the sector: in 2021, Ottinetti, with the implementation of a range of designr valves for radiators, and in 2022, Tapel, which further expanded the range of compression fittings.

Innovation, product and service quality, design, and the “made in Italy” label have always been the milestones of Barberi’s strategy. The company focuses on the development of its products and customized projects, through the OEM section.

The Barberi Method is synonymous with total quality: following the key points of Total Quality Management, we have transformed into a Smart Factory, with an advanced IT management network that allows quality control of the entire production cycle.

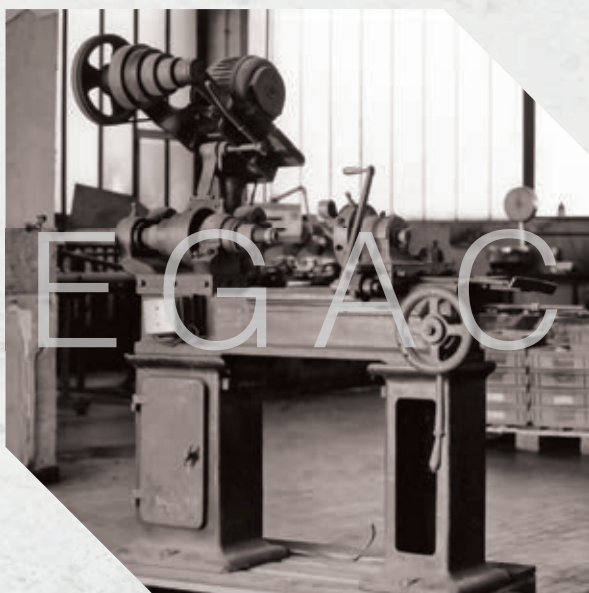
Barberi is certified UNI EN ISO 9001:2015 and UNI EN ISO 14001:2015, confirming a structured and successful company management present at every point of the process, and above all, increasingly attentive to the environment and the improvement of each product’s performance.

People first: since 2022, Barberi Rubinetterie Industriali has obtained EcoVadis recognition for the company’s commitment and attention to ethical and environmental issues.

At Barberi, people make the difference: even after 70 years, our values of collaboration, respect, and growth are stronger than ever, forming the foundation of a great team united by the slogan “Proud to B”.



LEGACY



PASSION

# RESEARCH & DEVELOPMENT



DESIGN SERVICE  
MANAGEMENT OF YOUR PROJECTS

A team of experts entirely at your disposal to guide you step by step through the development of your projects. Whether you need a variant of an item already in the catalog or require us to develop and manufacture completely new projects, our R&D department, with its Professionals and Internal Laboratory, is all you need.

This is why we are partners in the development and production of components for the leading manufacturers of heat pumps and HVAC systems.

CONTACT US TO ACCESS THE OEM SERVICE

Every year we develop hundreds of customized products and variants of our catalog items.

RESEARCH & DEVELOPMENT

INDUSTRIALIZATION

VALIDATION

PRODUCTION



RESEARCH



DEVELOPMENT



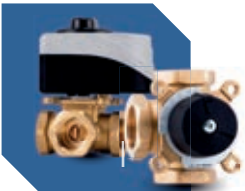
PRODUCTION





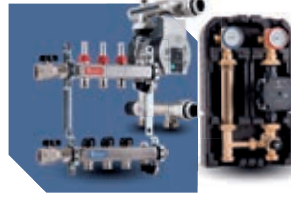
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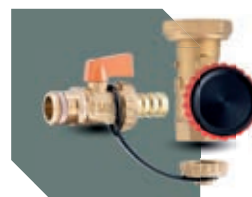
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












































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# THREAD DESIGNATION

THREAD TYPE AND STANDARD	SHAPE OF MALE (M) AND FEMALE (F) THREADS	DESIGNATION BY STANDARD	DESIGNATION ON BARBERI CATALOG
<p>“Pipe threads where pressure tight joints are made on the threads”</p> <p>Gas threads according to</p> <p>EN 10226-1 (for R and Rp threads)</p> <p>EN 10226-2 (for R and Rc threads) (old standard ISO 7-1)</p>	Taper external (male) threads	 R 1 1/4	R 1 1/4
	Parallel internal (female) threads	 Rp 1 1/4	Rp 1 1/4
	Taper internal (female) threads	 Rc 1 1/4	Rc 1 1/4
<p>“Pipe threads where pressure tight joints are not made on the threads”</p> <p>Gas threads according to</p> <p>ISO 228/1</p>	Parallel external (male) threads	 G 1 1/4 (A o B) (A o B) = tolerance class	G 1 1/4 M
	Parallel internal (female) threads	 G 1 1/4	G 1 1/4 F
	Nut with parallel internal (female) threads	 G 1 1/4	G 1 1/4 RN RN = Running Nut

# LEGEND

 The Best Seller: best-selling or recommended product by Barberi	 Wall-mounted boiler	 Radiant panels	 Safety relief valve
 New: new product or new size		 Swimming pool	
 Water Regulations Approval Advisory Scheme (UK)	 Wall-mounted boiler with built-in DHW storage	 DHW tap	 Temperature pressure safety relief valve
 Attestation de Conformité Sanitaire (F)		 Shower	
 Preset: headwork with pre-setting	 Solid fuel generator	 High-efficiency pump	 Solar air vent
 Gostop: tailpiece with self-sealing O-ring gasket		 Pump	
 B52: tailpiece with O-ring gasket	 Solid fuel generator with built-in DHW storage	 Motorized 3-way mixing valve	 Pressure reducing valve
 Standard: tailpiece without gasket	 Chiller	 Motorized 2-way zone valve	 Controller
	 Inertial or DHW storage	 Thermostatic 3-way valve	 Room thermostat
 Number of pieces per carton		 3-way valve	 Radiator valve
 Number of pieces per box	 Natural circulation solar	 4-way valve	 Lockshield
		 Hydraulic separator	 BA backflow preventer
		 Check valve	 Anti-pollution device
	 Distribution manifold	 Y-filter	 Timer
	 Distribution manifold with integrated hydraulic separator	 Expansion vessel	 Temperature gauge
	 Coil heat exchanger		 Pressure gauge
	 Radiator		 Discharge tundish
			 Ball shut-off valve
			 Temperature probe

The system diagrams in this catalog are for indicative purposes only and are not intended for execution. Missing devices (valves, accessories, safety systems, etc.) must be provided in compliance with current regulations.





THERMOSTATIC  
MIXING VALVES

**B01**



**V07.AA**



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,6 - range 20-43 °C

Flow coefficient: **Kv 1,6**  
 Temperature adjustment range: **20-43 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	1	20	€
V070200AA	Rp 3/4	1	20	
V07M200AA	G 3/4 M	1	20	
V07M250AA	G 1 M	1	20	

**V07.AB**



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,6 - range 35-60 °C

Flow coefficient: **Kv 1,6**  
 Temperature adjustment range: **35-60 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	1	20	€
V070200AB	Rp 3/4	1	20	
V07M200AB	G 3/4 M	1	20	
V07M250AB	G 1 M	1	20	

**V07.AA.L2**



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,6 - range 20-43 °C. Fittings with check valve insert unassembled (V38.03)

Flow coefficient: **Kv 1,6**  
 Temperature adjustment range: **20-43 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	1	20	€
V07M200AAL2	G 3/4 M	1	20	
V07M250AAL2	G 1 M	1	10	

**V07.AB.L2**



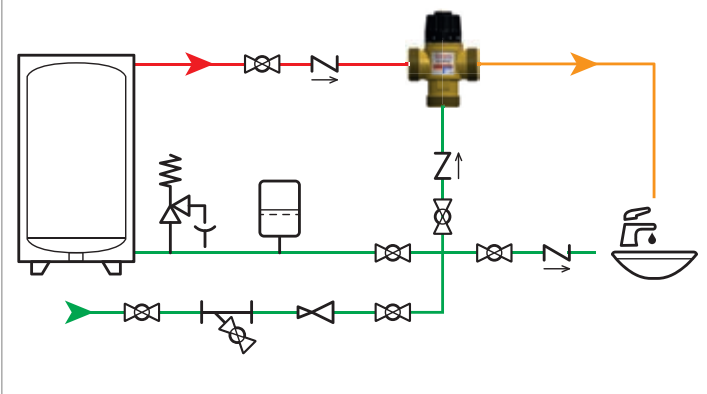
Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,6 - range 35-60 °C. Fittings with check valve insert unassembled (V38.03)

Flow coefficient: **Kv 1,6**  
 Temperature adjustment range: **35-60 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**

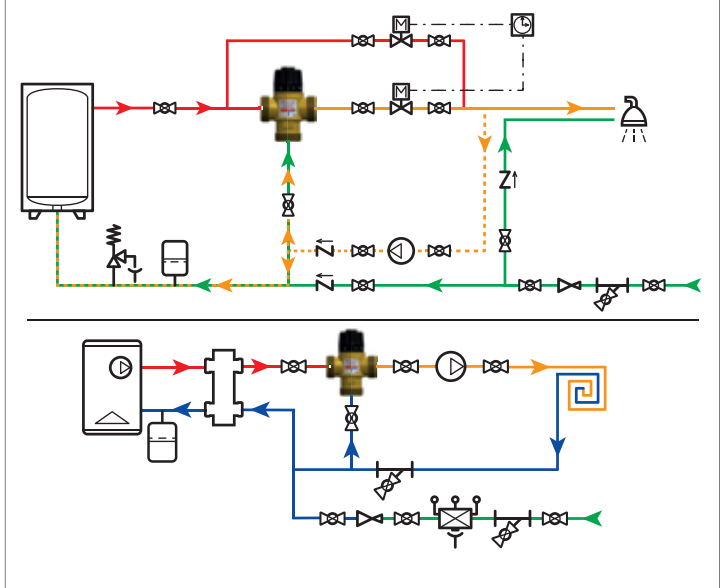


Code	Size	1	20	€
V07M200ABL2 <b>TBS</b>	G 3/4 M	1	20	
V07M250ABL2	G 1 M	1	10	

DHW production with direct supply to the user



DHW production with recirculation circuit/Fixed point regulation in radiant panel system



## V07.BA

Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 2,5 - range 20–43 °C

Flow coefficient: **Kv 2,5**  
 Temperature adjustment range: **20–43 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V07M250BA	G 1 M	1	20	

## V07.BB

Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 2,5 - range 35–60 °C

Flow coefficient: **Kv 2,5**  
 Temperature adjustment range: **35–60 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V07M250BB	G 1 M	1	20	

## V07.BA.L2

Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 2,5 - range 20–43 °C. Fittings with check valves insert unassembled (V38.03)

Flow coefficient: **Kv 2,5**  
 Temperature adjustment range: **20–43 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V07M250BAL2	G 1 M	1	10	

## V07.BB.L2

Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 2,5 - range 35–60 °C. Fittings with check valves insert unassembled (V38.03)

Flow coefficient: **Kv 2,5**  
 Temperature adjustment range: **35–60 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V07M250BBL2	G 1 M	1	10	

## V07.CB

Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,2 - range 35–60 °C

Flow coefficient: **Kv 1,2**  
 Temperature adjustment range: **35–60 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V07M150CB	G 1/2 M	1	20	

## V07.DC

Thermostatic mixing valve for heating systems - Kv 3,5 - range 20–55 °C

Flow coefficient: **Kv 3,5**  
 Temperature adjustment range: **20–55 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V07M250DC	G 1 M	1	20	

## P10



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,8 - range 30–65 °C

Flow coefficient: **Kv 1,8**

Temperature adjustment range: **30–65 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
P10A20000	G 3/4 M	1	20	
P10A25000	G 1 M	1	20	

## P10.L2



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 1,8 - range 30–65 °C. Fittings with check valves insert unassembled (V38.04)

Flow coefficient: **Kv 1,8**

Temperature adjustment range: **30–65 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
P10A20000L2	G 3/4 M	1	20	
P10A25000L2	G 1 M	1	20	

## P11



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 2,3 - range 30–65 °C

Flow coefficient: **Kv 2,3**

Temperature adjustment range: **30–65 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
P11A20000	G 3/4 M	1	20	
P11A25000	G 1 M	1	20	

## P11.L2



Thermostatic mixing valve for hydro-thermal-sanitary systems - antiscald - Kv 2,3 - range 30–65 °C - fittings with check valve insert unassembled V38.04

Flow coefficient: **Kv 2,3**

Temperature adjustment range: **30–65 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
P11A20000L2	G 3/4 M	1	20	
P11A25000L2	G 1 M	1	20	

## V17



Thermostatic mixing valve for hydro-thermal-sanitary systems - Kv 3,5 - range 30–65 °C

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30–65 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
V17M320AA	G 1 1/4 M	1	10	

## V17.L2



Thermostatic mixing valve for hydro-thermal-sanitary systems - Kv 3,5 - range 30–65 °C - with fittings P93

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30–65 °C**

Max working temperature: **90 °C**

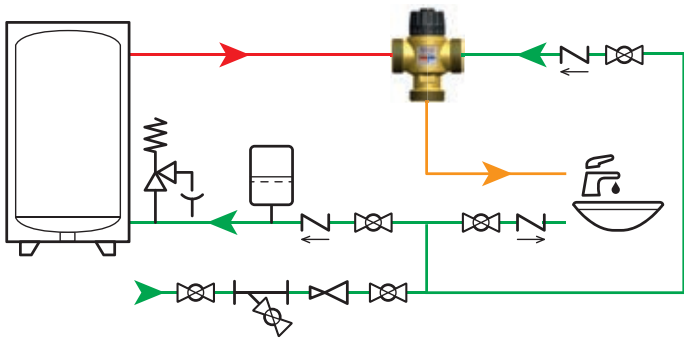
Max working pressure: **10 bar**



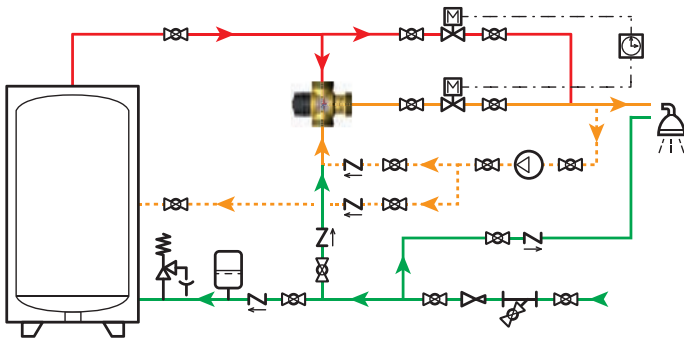
Code	Size			€
V17M320AAL2	G 1 M	1	10	



DHW production with direct supply to the user



DHW production with recirculation circuit



## P93

Fitting with running nut and flat gasket

Max working temperature: **100 °C**

Max working pressure: **25 bar**



Code	Size			€
P93015000	G 1/2 M - G 3/4 RN	20	80	
P93020000	G 3/4 M - G 1 RN	16	64	
P93025000	G 1 M - G 1 1/4 RN	8	64	
P93032000	G 1 1/4 M - G 1 1/2 RN	4	32	

## V38.03

3 fitting kit, supplied with gaskets and two check valve inserts suitable for thermostatic mixing valves

Max working temperature: **110 °C**

Max working pressure: **16 bar**



Code	Size			€
V3802000003	G 3/4 M - G 3/4 RN	1	20	
V3802500003	G 1 M - G 1 RN	1	20	

## V38.04

2 fitting kit with nut, supplied with gaskets and two check valve inserts suitable for thermostatic mixing valves

Max working temperature: **110 °C**

Max working pressure: **16 bar**



Code	Size			€
V3802000004	G 3/4 M - G 3/4 RN	1	20	
V3802500004	G 1 M - G 1 RN	1	20	

## 630.T

4-way thermostatic mixing valve with 90° inlets - Kv 3,5 - range 30–60 °C - side plug

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30–60 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size	1	10	€
630A20000T	Rp 3/4	1	10	

## 630.10.T

4-way thermostatic mixing valve with 90° inlets - Kv 3,5 - range 25–50 °C - side plug

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **25–50 °C**

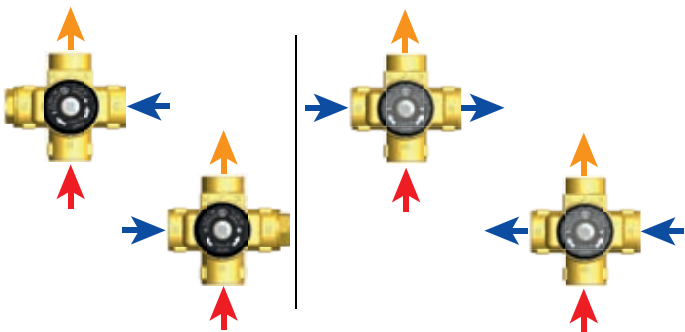
Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size	1	10	€
630A20010T	Rp 3/4	1	10	

### 630: use of ports as 3 and 4-way valve



## 630.1.2.N

4-way thermostatic mixing valve with 90° inlets - pump connection - Kv 3,5 - range 30–60 °C - flat gasket - nickel plated

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30–60 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size	1	10	€
630A20N001	Rp 3/4 - G 1 1/2 RN	1	10	

## 630.101.N

4-way thermostatic mixing valve with 90° inlets - pump connection - Kv 3,5 - range 25–50 °C - flat gasket - nickel plated

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **25–50 °C**

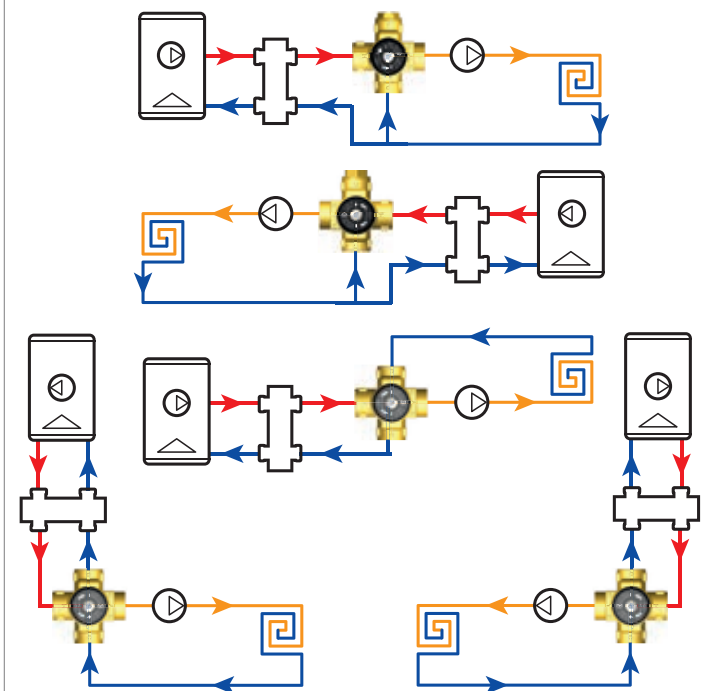
Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size	1	10	€
630A20N101	Rp 3/4 - G 1 1/2 RN	1	10	

### 630 for fixed point regulation in radiant panel system



## P04



Thermal solar system thermostatic mixing valve - antiscald - Kv 1,8 - range 30–65 °C

Flow coefficient: **Kv 1,8**

Temperature adjustment range: **30–65 °C**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
P04A20000	G 3/4 M	1	20	
P04A25000	G 1 M	1	20	

## P05



Thermal solar system thermostatic mixing valve - antiscald - Kv 2,3 - range 30–65 °C

Flow coefficient: **Kv 2,3**

Temperature adjustment range: **30–65 °C**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
P05A20000	G 3/4 M	1	20	
P05A25000	G 1 M	1	20	

## P04.L2



Thermal solar system thermostatic mixing valve - antiscald - Kv 1,8 - range 30–65 °C. Fittings and check valves insert unassembled (V38.04)

Flow coefficient: **Kv 1,8**

Temperature adjustment range: **30–65 °C**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
P04A20000L2	G 3/4 M	1	20	
P04A25000L2	G 1 M	1	20	

## P05.L2



Thermal solar system thermostatic mixing valve - antiscald - Kv 2,3 - range 30–65 °C. Fittings and check valve insert unassembled (V38.04)

Flow coefficient: **Kv 2,3**

Temperature adjustment range: **30–65 °C**

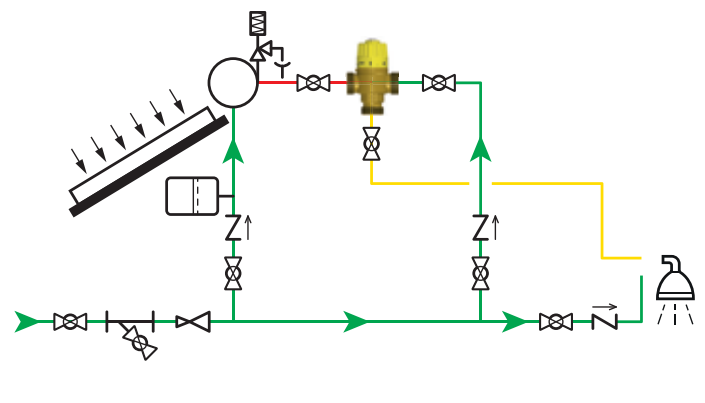
Max working temperature: **110 °C**

Max working pressure: **10 bar**

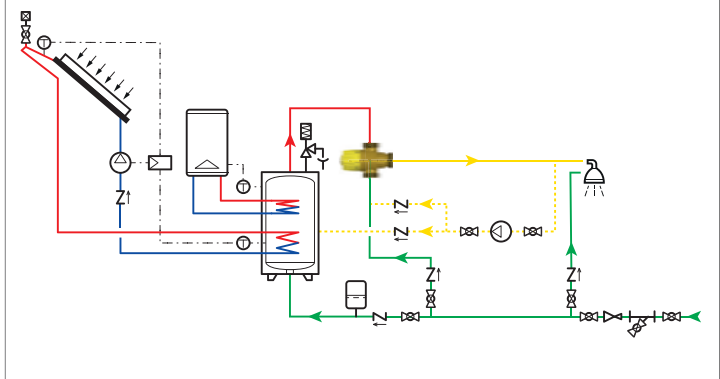


Code	Size			€
P05A20000L2	G 3/4 M	1	20	
P05A25000L2	G 1 M	1	20	

Natural circulation solar system



Forced circulation solar and recirculation system



## V38.03

3 fitting kit, supplied with gaskets and two check valve inserts suitable for thermostatic mixing valves

Max working temperature: **110 °C**  
Max working pressure: **16 bar**



Code	Size			€
V3802000003	G 3/4 M - G 3/4 RN	1	20	
V3802500003	G 1 M - G 1 RN	1	20	

## V38.04

2 fitting kit with nut, supplied with gaskets and two check valve inserts suitable for thermostatic mixing valves

Max working temperature: **110 °C**  
Max working pressure: **16 bar**



Code	Size			€
V3802000004	G 3/4 M - G 3/4 RN	1	20	
V3802500004	G 1 M - G 1 RN	1	20	

## V38.02

2 fitting kit with flat face supplied with gaskets and check valve inserts for thermostatic mixing valves

Max working temperature: **130 °C**  
Max working pressure: **16 bar**



Code	Size			€
V3802000002	G 3/4 M - G 3/4 F	1	20	

## V16

Thermostatic diverting valve with fixed setting - Kv 3,5

Flow coefficient: **Kv 3,5**  
Diverting valve setting: **45 °C**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**



Kv 3,5

Code	Size	°C			€
V16M2500A	G 1 M	45	1	20	

## V16.L2

Thermostatic diverting valve with fixed setting - Kv 3,5 - with fittings P93

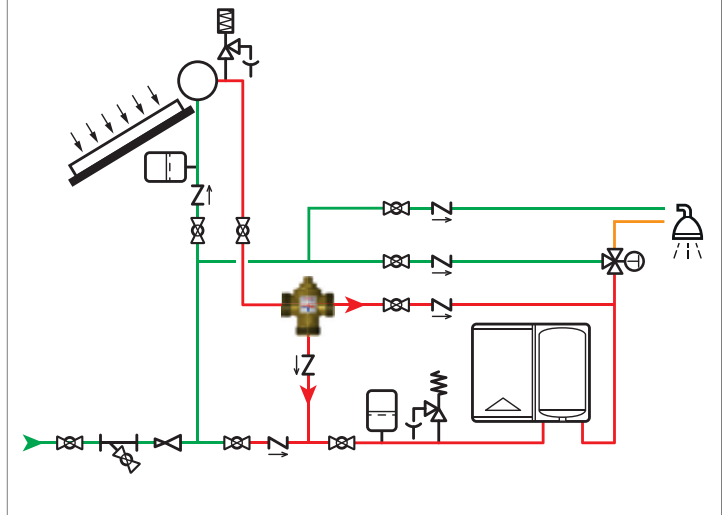
Flow coefficient: **Kv 3,5**  
Diverting valve setting: **45 °C**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**



Kv 3,5

Code	Size	°C			€
V16M2500AL2	G 3/4 M	45	1	10	

### V16: solar DHW supply to user or integration with a boiler



## V20



Solar-to-boiler thermal integration kit with thermostatic diverting valve and thermostatic mixing valve. For boiler with storage or boiler with instantaneous DHW production able to receive pre-heated water at the inlet.

Flow coefficient: **Kv 2**

Temperature adjustment range: **35–60 °C**

Diverting valve setting: **45 °C**

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
V20M25001	G 1 M	1	6	

## V20.L1



Solar-to-boiler thermal integration kit with thermostatic diverting valve and thermostatic mixing valve - 5 fittings and 3 check valves inserts. For boiler with storage or boiler with instantaneous DHW production able to receive pre-heated water at the inlet.

Flow coefficient: **Kv 2**

Temperature adjustment range: **35–60 °C**

Diverting valve setting: **45 °C**

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
V20M25001L1	G 1 M	1	6	

## V20.L2



Solar-to-boiler thermal integration kit with thermostatic diverting valve and thermostatic mixing valve - 5 fittings P93. For boiler with storage or boiler with instantaneous DHW production able to receive pre-heated water at the inlet.

Flow coefficient: **Kv 2**

Temperature adjustment range: **35–60 °C**

Diverting valve setting: **45 °C**

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
V20M25001L2	G 3/4 M	1	6	



## V20.1

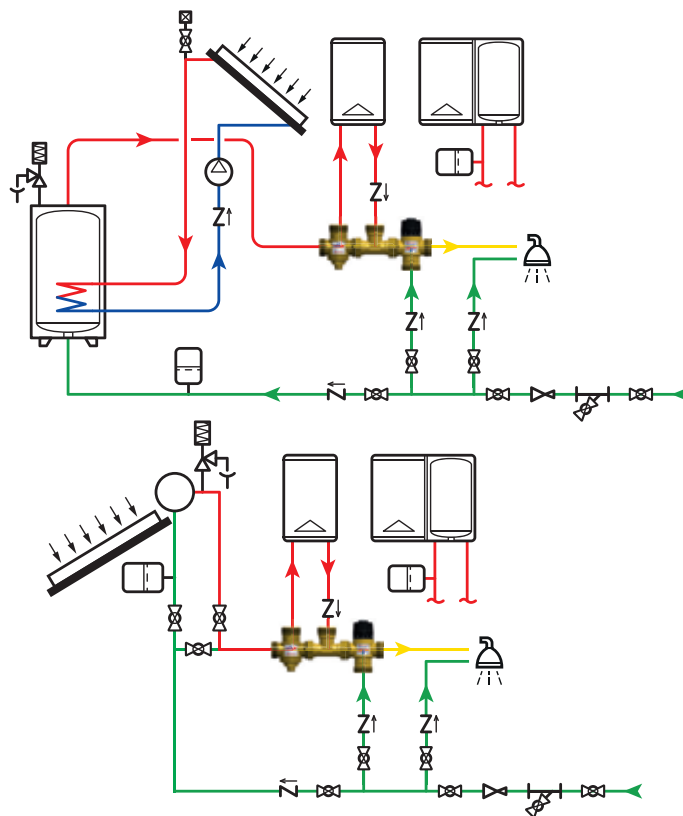
Insulation for solar-to-boiler integration kit V20, V20.L1, V20.L2



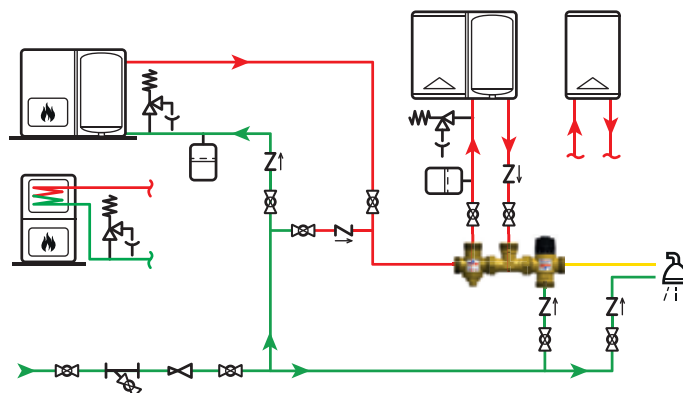
Max working temperature: **140 °C**

Code	Size			€
V20000001	225 mm x 100 mm	-	-	

### V20 for integration: forced circulation solar-to-boiler; natural circulation solar-to-boiler



### V20 for biomass-to-boiler integration





# V13

woody

Anti-condensation thermostatic mixing valve for solid fuel generators - Kv 3,2

Flow coefficient: **Kv 3,2**

Anti-condensation setting: **45-55-60-70 °C**

Temperature of by-pass hot port fully closing:

**$T_{mix} = T_{set} + 10\text{ °C} = TR$**

Max working temperature: **100 °C**

Max working pressure: **10 bar**



Kv 3,2

Code	Size	°C			€
V13M2500A	G 1 M	45	1	20	
V13M2500B	G 1 M	55	1	20	
V13M2500C	G 1 M	60	1	20	
V13M2500D	G 1 M	70	1	20	

# V13.5R

woody

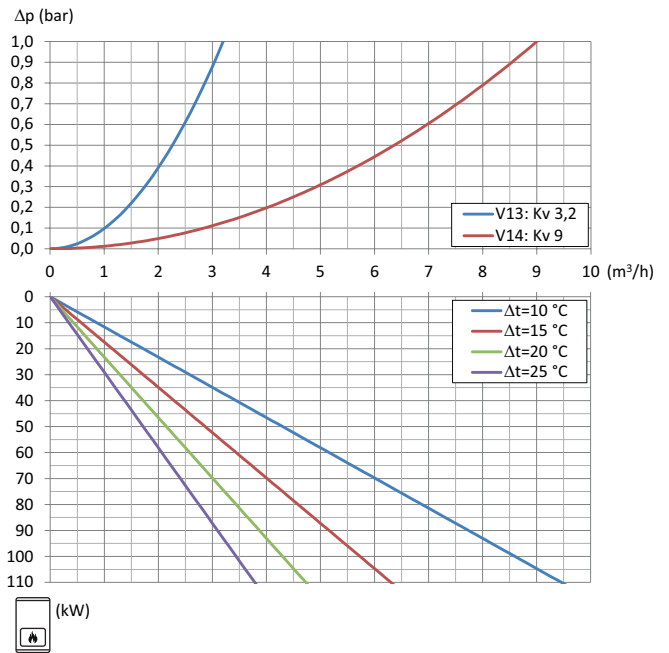
Thermostatic element for anti-condensation thermostatic mixing valve V13, V13.L1, V13.L2 and V13.1.2

Setting temperature: **45-55-60-70 °C**



Code	°C			€
V13025005AR	45	-	-	
V13025005BR	55	-	-	
V13025005CR	60	-	-	
V13025005DR	70	-	-	

## Sizing of V13 and V14



Anti-condensation valve sizing:

- enter the lower diagram with the solid fuel generator power output value (vertical axis, kW);
- cross the line of the working delta temperature (°C);
- read the corresponding working flow rate value on the horizontal axis (m³/h);
- in the the upper diagram, at the same flow rate value, cross the hydraulic characteristic lines of the valves;
- read the corresponding valve head loss value on the vertical axis (bar);
- sum this head loss to the circuit head losses and compare them to the available pump head.

## V14

woody

Anti-condensation thermostatic mixing valve for solid fuel generators - Kv 9

Flow coefficient: **Kv 9**

Anti-condensation setting: **45-55-60-70 °C**

Temperature of by-pass hot port fully closing:

**$T_{mix} = T_{set} + 10 \text{ °C} = TR$**

Max working temperature: **100 °C**

Max working pressure: **10 bar**



Code	Size	°C			€
V1402500A	Rp 1	45	1	12	
V14M3200A	G 1 1/4 M	45	1	12	
V1402500B	Rp 1	55	1	12	
V14M3200B	G 1 1/4 M	55	1	12	
V1402500C	Rp 1	60	1	12	
V14M3200C	G 1 1/4 M	60	1	12	
V1402500D	Rp 1	70	1	12	
V14M3200D	G 1 1/4 M	70	1	12	

## V14.L1

woody

Anti-condensation thermostatic mixing valve for solid fuel generators - Kv 9 - with reduced fittings P93

Flow coefficient: **Kv 9**

Anti-condensation setting: **45-55-60-70 °C**

Temperature of by-pass hot port fully closing:

**$T_{mix} = T_{set} + 10 \text{ °C} = TR$**

Max working temperature: **100 °C**

Max working pressure: **10 bar**



Code	Size	°C			€
V14M3200AL1	G 1 M	45	1	12	
V14M3200BL1	G 1 M	55	1	12	
V14M3200CL1	G 1 M	60	1	12	
V14M3200DL1	G 1 M	70	1	12	

## V14.5R

woody

Thermostatic element for anti-condensation thermostatic mixing valve V14, V14.L1, V14.1

Setting temperature: **45-55-60-70 °C**



Code	°C			€
V14025005AR	45	-	-	
V14025005BR	55	-	-	
V14025005CR	60	-	-	
V14025005DR	70	-	-	

## V14.1

woody

Anti-condensation thermostatic mixing valve for solid fuel generators - pump connection - male connection - Kv 9

Flow coefficient: **Kv 9**

Anti-condensation setting: **45-55-60-70 °C**

Temperature of by-pass hot port fully closing:

**$T_{mix} = T_{set} + 10 \text{ °C} = TR$**

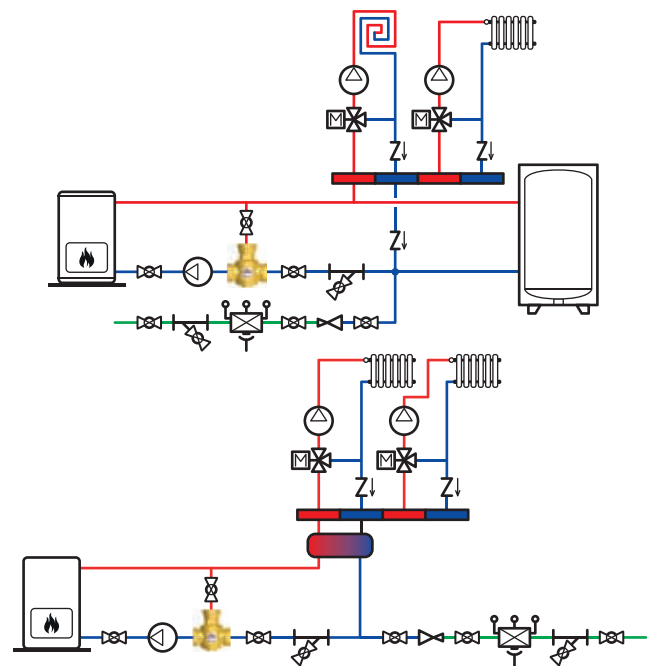
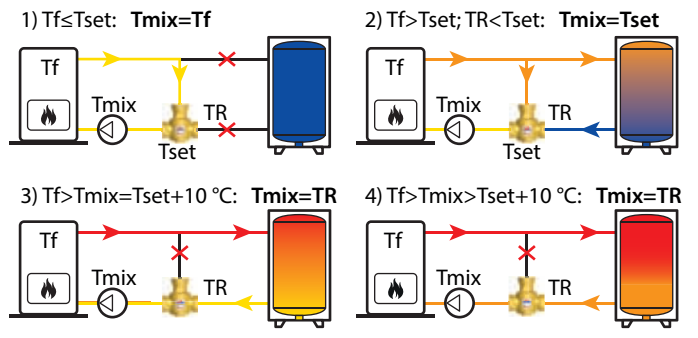
Max working temperature: **100 °C**

Max working pressure: **10 bar**



Code	Size	°C			€
V14M3200A1	G 1 1/2 M - G 1 1/2 RN - G 1 M	45	1	12	
V14M3200B1	G 1 1/2 M - G 1 1/2 RN - G 1 M	55	1	12	
V14M3200C1	G 1 1/2 M - G 1 1/2 RN - G 1 M	60	1	12	
V14M3200D1	G 1 1/2 M - G 1 1/2 RN - G 1 M	70	1	12	

### Operating principle of V13-V14 and diagrams with buffer storage and direct connection





### 03C

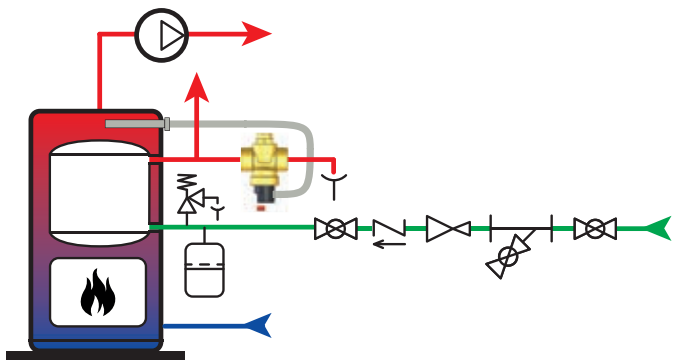
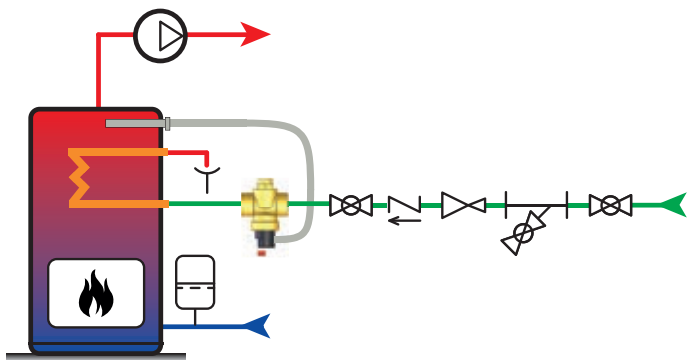
Temperature safety relief valve, with double safety sensor, for solid fuel generators.

Setting temperature: **95 °C (±3 °C)**  
 Discharge flow rate: **1350 l/h (Δp=1 bar, T=95 °C)**  
 Capillary length: **1300 mm**  
 Working temperature range: **5–110 °C**  
 Max working pressure: **10 bar**



Code	Size			€
03C020000	G 3/4 F	1	-	

#### 03C coupled to: safety heat exchanger/built-in storage



### Y77.2

Fitting with running nut and flat gasket - M and F connection of the same size

Max working temperature: **110 °C**  
 Max working pressure: **16 bar**



Code	Size	Kv			€
Y77A250002	G 1 M - G 1 RN	14	20	80	

### P93

Fitting with running nut and flat gasket

Max working temperature: **100 °C**  
 Max working pressure: **25 bar**



Code	Size			€
P93015000	G 1/2 M - G 3/4 RN	20	80	
P93020000	G 3/4 M - G 1 RN	16	64	
P93025000	G 1 M - G 1 1/4 RN	8	64	
P93032000	G 1 1/4 M - G 1 1/2 RN	4	32	

### 04C.3

Cartridge with spare sensor for thermostatic anti-freeze valve.

Opening temperature: **3 °C**  
 Closing temperature: **4 °C**  
 Working temperature range: **0–90 °C**  
 Ambient temperature: **-30–60 °C**  
 Max working pressure: **10 bar**



Code			€
04C003000	1	-	



# 04C

Thermostatic anti-freeze valve with brass body. With integrated automatic shut-off valve for thermostatic cartridge replacement.

Opening temperature: **3 °C**

Closing temperature: **4 °C**

Working temperature range: **0–90 °C**

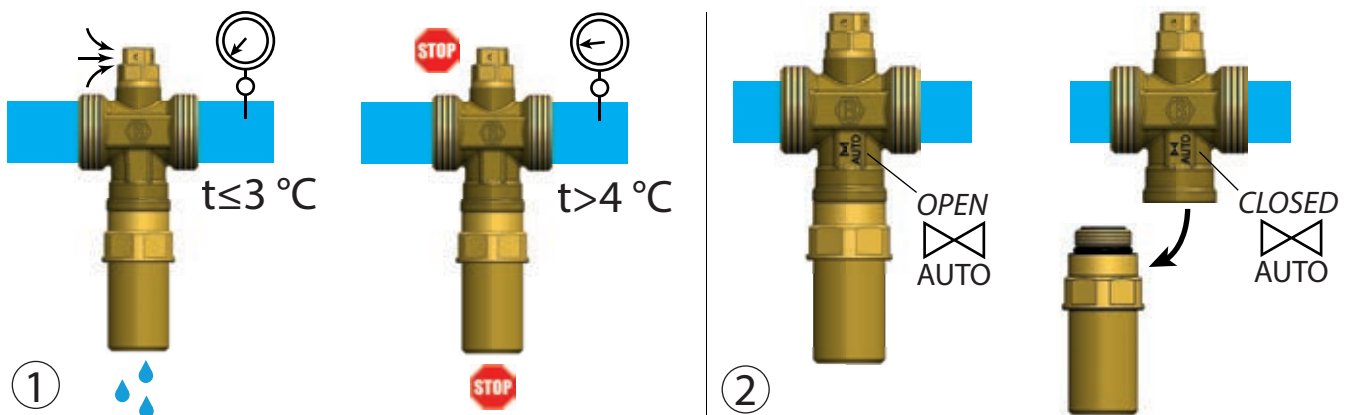
Ambient temperature: **-30–60 °C**

Max working pressure: **10 bar**



Code	Size	Kv	DN			€
04C025000	G 1 M	55	25	1	20	
04C032000	G 1 1/4 M	70	32	1	20	
04C040000	G 1 1/2 M	72	40	1	20	

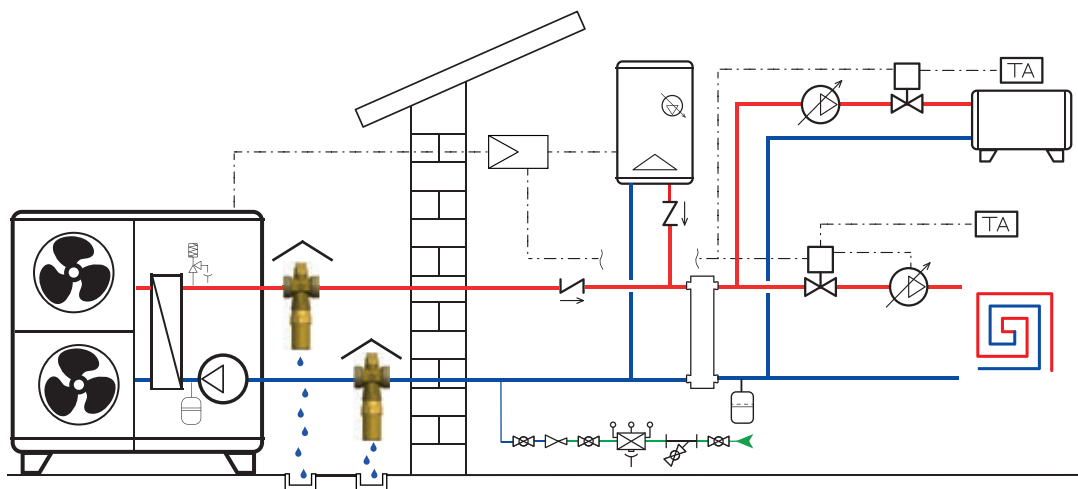
## 04C: opening and closing temperature



(1) The anti-freeze valve detects the temperature of the system thermal fluid by means of the thermostatic sensor contained in the body and opens the lower discharge port when the fluid temperature drops to the setting value of 3 °C. The slight discharge flow rate prevents the pipes external to the building from freezing, avoiding damages to the system devices or pipes themselves. It is used in heating and cooling systems, typically with heat pumps.

(2) Integrated automatic shut-off valve. The valve remains in the open position when the sensor holder cartridge is correctly screwed to the body. When the cartridge is removed (for maintenance or replacement), the shut-off valve automatically closes the discharge, avoiding emptying the system.

## 04C: installation with heat pump







ROTARY MIXING  
VALVES AND  
ACTUATORS

**B02**

# M03.4

MULTIFUNCTION ACTUATOR



ALL-IN-ONE  
3P + 2P



RELAY  
TECHNOLOGY



QR CODE  
FOR INFO &  
TRACEABILITY



## KIT 460.1

ALSO AVAILABLE IN KIT VALVE + ACTUATOR

## Use as mixing or diverting valve

460 461 475 V60	MIX Standard		MIX		MIX		MIX	
	DEV Standard		DEV Standard		DEV		DEV	
450 451 476 V50	MIX Standard		MIX		---	---	---	---
	DEV Standard		---	---	---	---	---	---
V52 V53	MIX Standard		MIX		---	---	---	---
	DEV Standard		---	---	---	---	---	---
V55	DEV Standard		DEV Standard		---	---	---	---
P51	MIX Standard		MIX		MIX		MIX	
	DEV Standard		DEV Standard		DEV		DEV	
P88	MIX Standard		MIX		---	---	---	---
	DEV Standard		DEV Standard		---	---	---	---
P52	MIX Standard		MIX		---	---	---	---

This table shows the use of the valves in mixing (MIX) or diverting mode (DEV). The valves are supplied with the factory configuration called "Standard". Ports can be used according to the other configurations indicated in the table.

**B2**

**3-WAY MIXING VALVES**

**460**

3-way mixing valve - F

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
46001500MN	Rp 1/2	1,6	1	10	
46001500MA	Rp 1/2	2,5	1	10	
46002000MB	Rp 3/4	4	1	10	
46002000MC	Rp 3/4	6	1	10	
46002500MD	Rp 1	8	1	10	
46002500ME	Rp 1	12	1	10	
46003200MF	Rp 1 1/4	15	1	10	
46003200MG	Rp 1 1/4	18	1	10	
46004000ML	Rp 1 1/2	26	1	8	
46005000MM	Rp 2	40	1	8	

**461**

3-way mixing valve - M

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
46102000MA	G 3/4 M	2,5	1	10	
46102500MA	G 1 M	2,5	1	10	
46102500MB	G 1 M	4	1	10	
46102500MC	G 1 M	6	1	10	
46103200MD	G 1 1/4 M	8	1	10	
46103200ME	G 1 1/4 M	12	1	10	
46104000MF	G 1 1/2 M	15	1	10	
46104000MG	G 1 1/2 M	18	1	10	

**V60**

Double thread 3-way rotary mixing valve - MF.  
Male and female thread on each port.

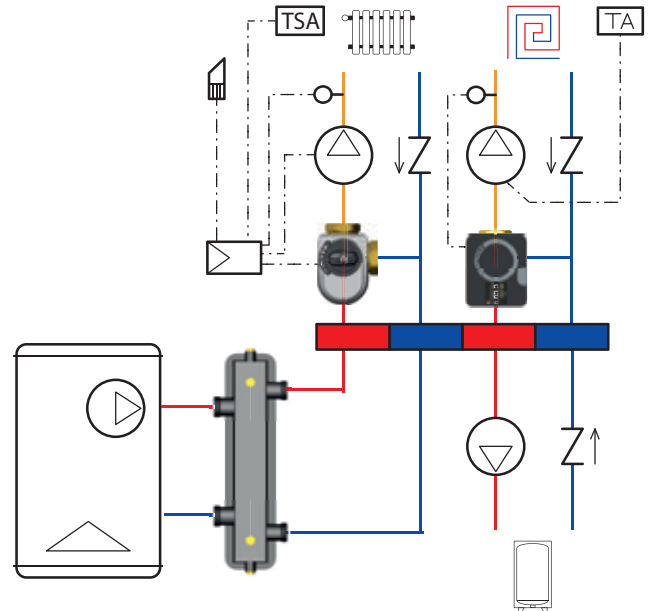
Max working temperature: **110 °C**

Max working pressure: **10 bar**

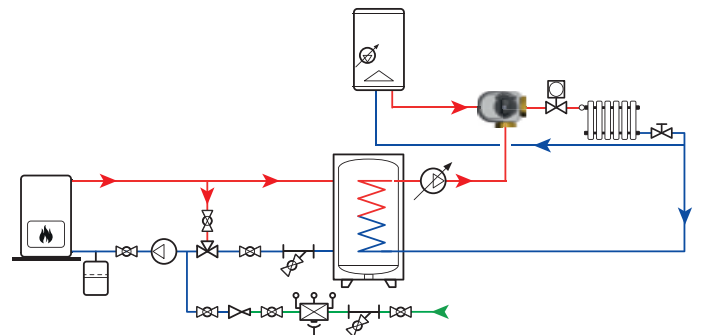


Code	Size	Kv			€
V6002500MD	G 1 F+G 1 1/2 M	8	1	10	
V6002500ME	G 1 F+G 1 1/2 M	12	1	10	

460 mixing valve with M03.3 actuator and weather compensated regulation, 460 mixing valve with P27T3 actuator and fixed point regulation.



**Coupling of two generators**



## 450

4-way mixing valve - F

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
45001500MA	Rp 1/2	2,5	1	10	
45002000MB	Rp 3/4	4	1	10	
45002000MC	Rp 3/4	6	1	10	
45002500MD	Rp 1	8	1	10	
45002500ME	Rp 1	12	1	10	
45003200MF	Rp 1 1/4	15	1	10	
45003200MG	Rp 1 1/4	18	1	10	
45004000ML	Rp 1 1/2	26	1	8	
45005000MM	Rp 2	40	1	8	

## 451

4-way mixing valve - M

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
45102000MA	G 3/4 M	2,5	1	10	
45102500MB	G 1 M	4	1	10	
45102500MC	G 1 M	6	1	10	
45103200MD	G 1 1/4 M	8	1	10	
45103200ME	G 1 1/4 M	12	1	10	
45104000MF	G 1 1/2 M	15	1	10	
45104000MG	G 1 1/2 M	18	1	10	

## 441.1

Knob and screw kit for mixing valve manual setting



Code	€
4410150111	

## V50

Double thread 4-way rotary mixing valve - MF.  
Male and female thread on each port.

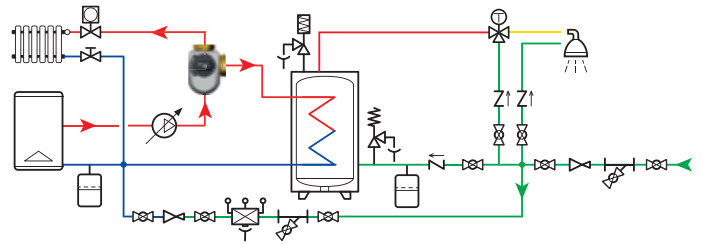
Max working temperature: **110 °C**

Max working pressure: **10 bar**

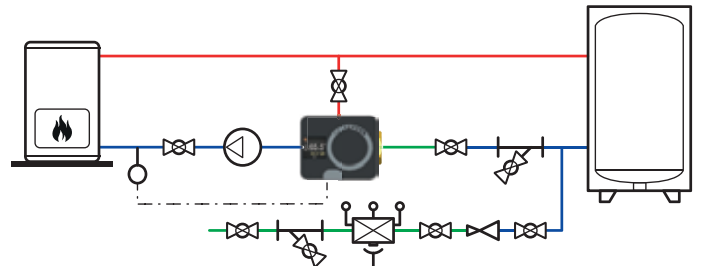


Code	Size	Kv			€
V5002500MD	G 1 F+G 1 1/2 M	8	1	10	

Use of 3-way valves as priority between heating and DHW production



Use of 3-way valves with P27T3 actuator with anti-condensation function



## P93

Fitting with running nut and flat gasket

Max working temperature: **100 °C**

Max working pressure: **25 bar**



Code	Size			€
P93015000	G 1/2 M - G 3/4 RN	20	80	
P93020000	G 3/4 M - G 1 RN	16	64	
P93025000	G 1 M - G 1 1/4 RN	8	64	
P93032000	G 1 1/4 M - G 1 1/2 RN	4	32	



## V52

Bivalent 4-way mixing valve - F. Can be used as mixing valve (3 inlets, 1 outlet) and diverting valve (1 inlet, 3 outlets).

Working temperature range: 0–110 °C

Rotation angle: 90°

Obturator rotation torque: <5 N·m

Leakage: <0,1%

Suitable fluids: **water for heating systems, glycol solutions (max 50%)**

Max working pressure: 10 bar



Code	Size	Kv			€
V520200MC	Rp 3/4	6,3	1	10	
V520250MI	Rp 1	10	1	10	

## V53

Bivalent 4-way mixing valve - M. Can be used as mixing valve (3 inlets, 1 outlet) and diverting valve (1 inlet, 3 outlets).

Working temperature range: 0–110 °C

Rotation angle: 90°

Obturator rotation torque: <5 N·m

Leakage: <0,1%

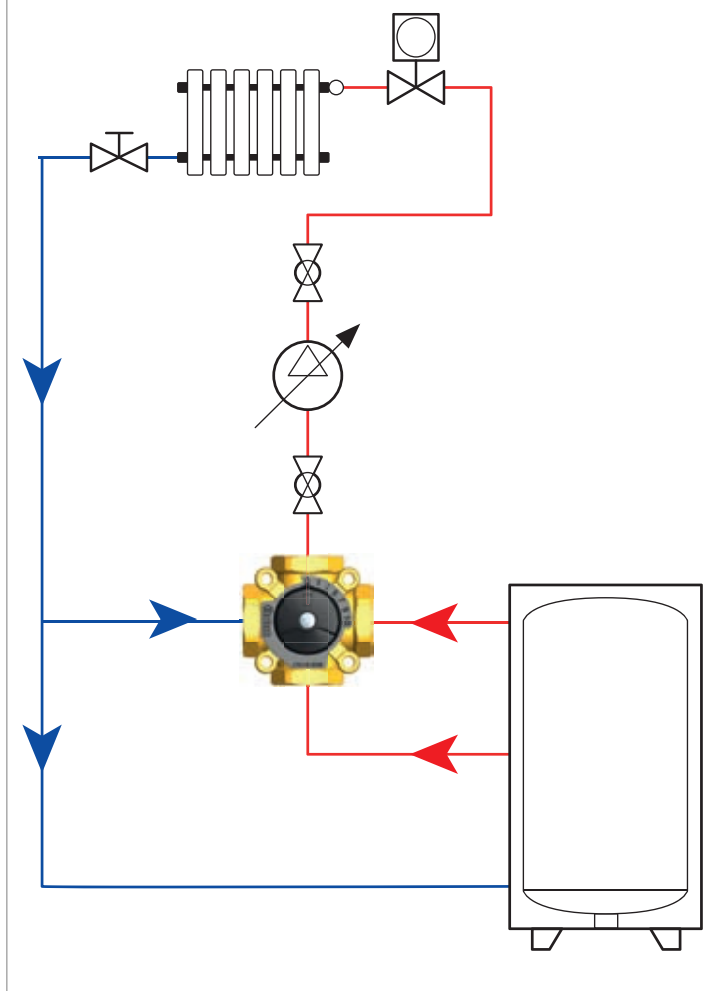
Suitable fluids: **water for heating systems, glycol solutions (max 50%)**

Max working pressure: 10 bar

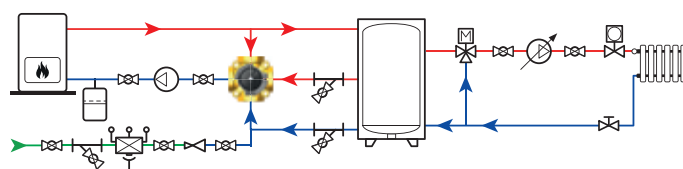


Code	Size	Kv			€
V530250MC	G 1 M	6,3	1	10	
V530320MI	G 1 1/4 M	10	1	10	

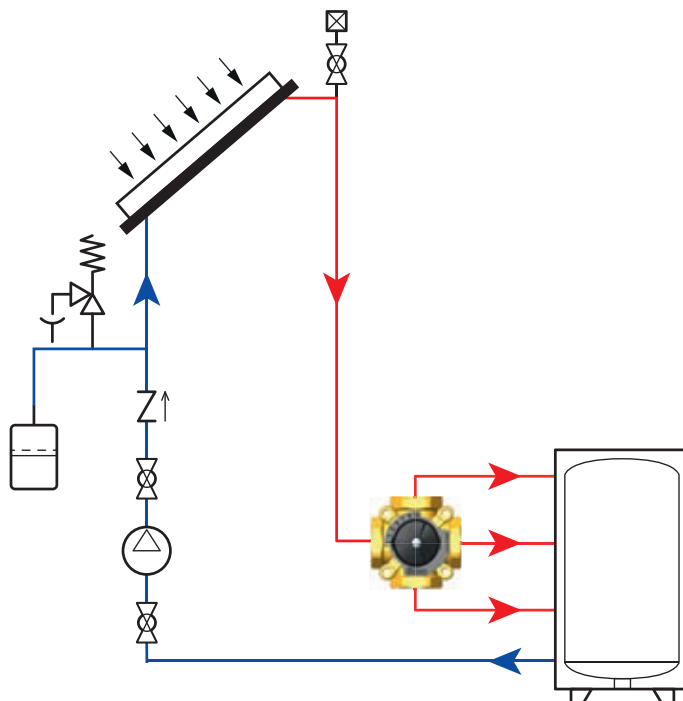
### Use of V52 and V53 as mixing valves



### Use of V52 and V53 valves with anti-condensation function



### Use of V52 and V53 as diverting valves





## 51D.DN20

Kit composed of mixing valve with by-pass, pump connection and T-joint on the return

Connection centre distance: **90 mm**  
 Max working temperature: **110 °C**  
 Max working pressure: **10 bar**



Code	Size	Kv			€
51D0250B0	G 1 M - G 1 RN	4	1	8	

## 51D

Kit composed of mixing valve with by-pass, pump connection and T-joint on the return

Connection centre distance: **125 mm**  
 Max working temperature: **110 °C**  
 Max working pressure: **10 bar**



Code	Size	Kv			€
51D0400C0	G 1 1/2 M - G 1 1/2 RN	6	1	8	
51D0400I0	G 1 1/2 M - G 1 1/2 RN	10	1	8	
51D0500G0	G 2 M - G 2 RN	18	1	8	

## 41D

3-way mixing valve with by-pass fitted to be actuated - pump connection - distribution manifold connection

Max working temperature: **110 °C**  
 Max working pressure: **10 bar**



Code	Size	Kv			€
41D025000B	G 1 M - G 3/4 M - G 1 RN	4	1	10	
41D040000C	G 1 1/2 M - G 1 M - G 1 1/2 RN	6	1	10	
41D040000I	G 1 1/2 M - G 1 M - G 1 1/2 RN	10	1	10	
41D050000G	G 2 M - G 1 1/4 M - G 2 RN	18	1	10	

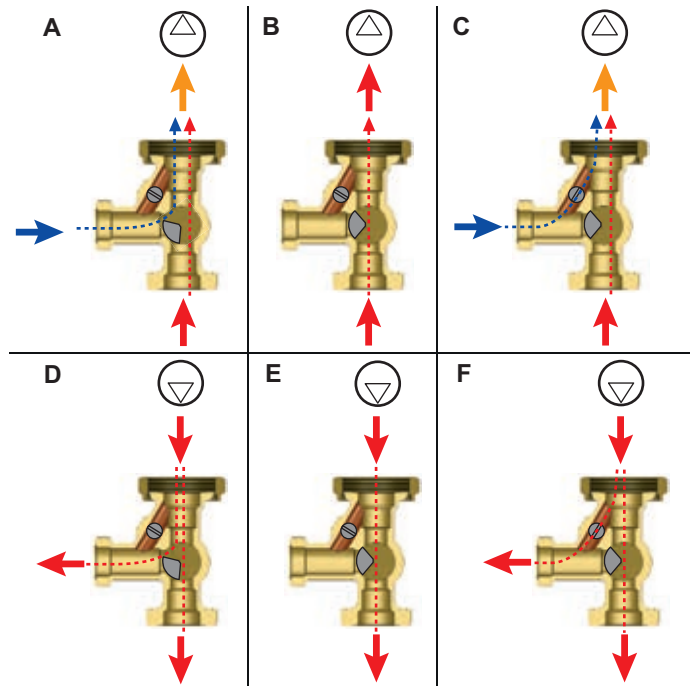
## 440.I

Knob and screw kit for mixing valve manual setting



Code	€
440015011I	

### Operating principle of 41D and 51D



A- Mix with by-pass closed

B- Mix with hot port fully open and by-pass closed

C- Mix with hot port fully open and by-pass open

D- Diverting with by-pass closed

E- Diverting with straight way fully open

F- Diverting with both straight way and by-pass open

## V55

Motorized rotary diverting valve - F. Complete with actuator with 90° rotation angle, 2 point type, on/off regulation, blocking screw, valve adaptor, anti-rotation pin, 1 m integrated cable, output contact in tension.

Max working temperature: **110 °C**

Leakage: **<0,1%**

Suitable fluids: **water for heating systems, glycol solutions (max 50%)**

Max working pressure: **10 bar**

Torque: **6 N·m**

Rotation angle: **90°**

Protection class: **IP 44**

Frequency: **50-60 Hz**

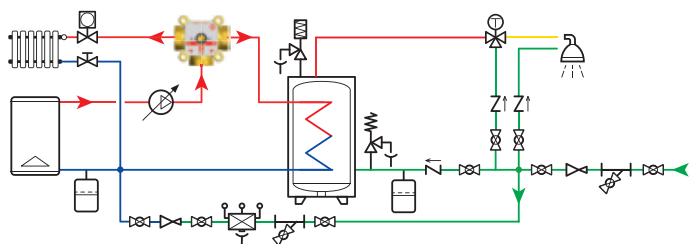
Power consumption: **5 VA**

Aux. microswitch contact rating: **6 (1) A**

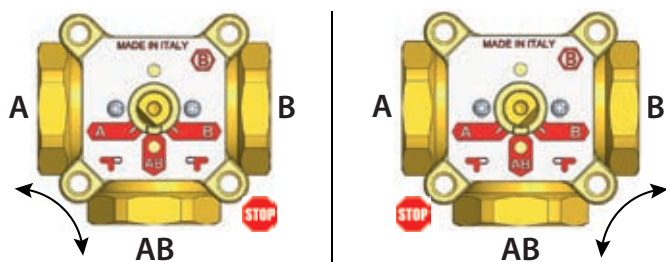


Code	Size	Kv	V	Running time [s]	Nr. poles	Cable [m]			€
V5501500AB	Rp 1/2	4	230	22	4	1	1	5	
V5502000AD	Rp 3/4	8	230	22	4	1	1	5	
V5502500AE	Rp 1	12	230	22	4	1	1	5	
V5503200AF	Rp 1 1/4	15	230	22	4	1	1	5	

### V55: use as priority between heating and DHW production



### V55: indications on the plate



The 2 point actuator activates the diverting valve, connecting the AB common port to the A or B port, with a rotation of 90°. The chamfer on the diverter stem indicates the valve position. Due to the shape of the diverter, these valves can be used only as diverting valves.

## M03.21

Spare actuator for V55 diverting valves, rotation angle 90°, 2 point type, on/off regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1 m integrated cable, output contact in tension.

Torque: **6 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

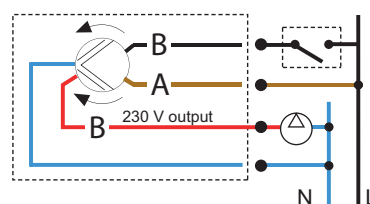
Power consumption: **5 VA**

Aux. microswitch contact rating: **6 (1) A**

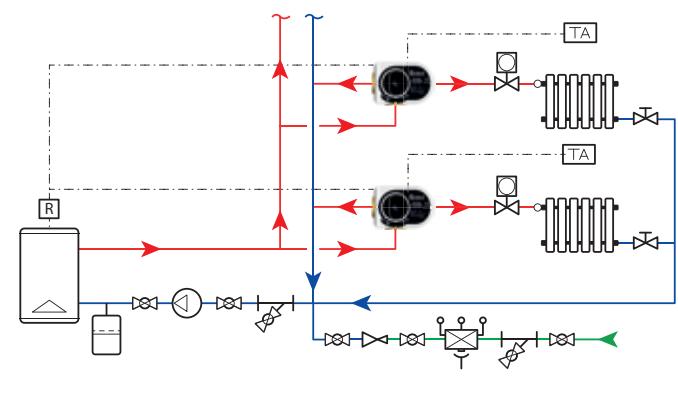
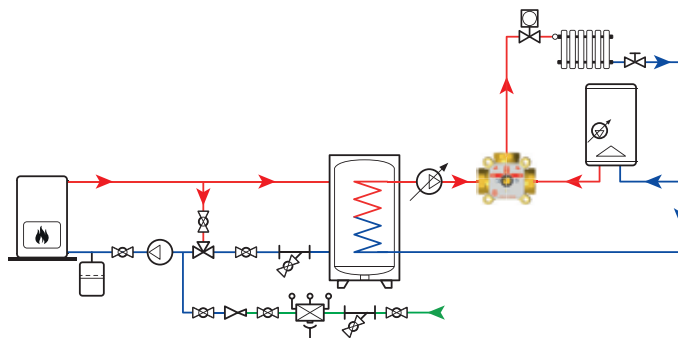


Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030051BDA	230	22	4	1	1	16	

### Wiring diagram M03.21, 2 points for diverting valve



### V55: coupling of two generators/use as zone valve



## 460.1

3-way mixing valve with double regulation 3 and 2 point actuator with integrated relay. Female connections. Actuator: rotation angle 90°, blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable.

Max working temperature: **110 °C**  
 Max working pressure: **10 bar**  
 Torque: **10 N·m**  
 Supply: **230 V**  
 Protection class: **IP 44**  
 Frequency: **50 Hz**  
 Power consumption: **4 VA**



Code	Size	Kv	Running time [s]	Nr. poles			€
46001501MN	Rp 1/2	1,6	120	3	1	5	
46001501MA	Rp 1/2	2,5	120	3	1	5	
46002001MB	Rp 3/4	4	120	3	1	5	
46002001MC	Rp 3/4	6	120	3	1	5	
46002501MD	Rp 1	8	120	3	1	5	
46002501ME	Rp 1	12	120	3	1	5	
46003201MF	Rp 1 1/4	15	120	3	1	5	
46003201MG	Rp 1 1/4	18	120	3	1	5	

## M03.4

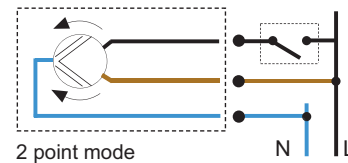
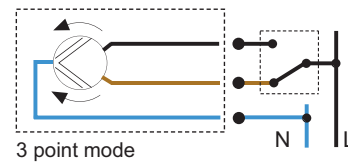
Actuator for mixing valves with double regulation 3 and 2 points and integrated relay. Rotation angle 90°. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable.

Torque: **10 N·m**  
 Protection class: **IP 44**  
 Frequency: **50 Hz**  
 Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101RAB	230	120	3	1,5	1	16	

### M03.4: wiring diagram for 3 point and 2 point mode



To select the 3 or 2 point operating mode, it's only necessary to connect the cables according to its respective wiring diagram.



## M03.3

Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)

Torque: 10 N-m

Protection class: IP 44

Frequency: 50 Hz

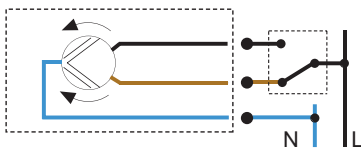
Power consumption: 4 VA

Aux. microswitch contact rating: 6 (1) A

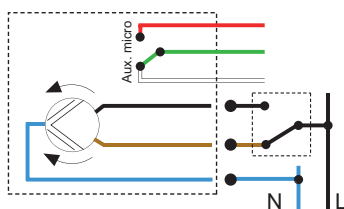


Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101DAB	230	120	3	1,5	1	16	
M030101GAB	230	120	6	1,5	1	16	
M030101DBB	230	60	3	1,5	1	16	
M030101GBB	230	60	6	1,5	1	16	
M030102DAB	24	120	3	1,5	1	16	
M030102GAB	24	120	6	1,5	1	16	
M030102DBB	24	60	3	1,5	1	16	
M030102GBB	24	60	6	1,5	1	16	

Wiring diagram M03.3, 3 poles



Wiring diagram M03.3, 6 poles with aux. microswitch



## M03.2

Actuator for mixing valves (diverting working mode), rotation angle 90°, on/off regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)

Torque: 10 N-m

Protection class: IP 44

Frequency: 50 Hz

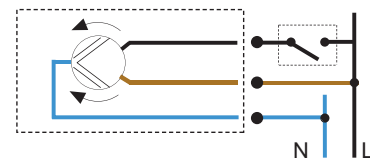
Power consumption: 4 VA

Aux. microswitch contact rating: 6 (1) A

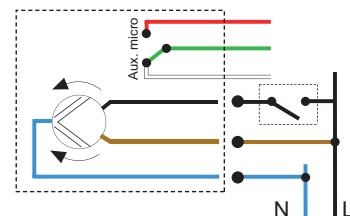


Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101AAB	230	120	3	1,5	1	16	
M030101HAB	230	120	6	1,5	1	16	
M030101ABB	230	60	3	1,5	1	16	
M030101HBB	230	60	6	1,5	1	16	
M030102AAB	24	120	3	1,5	1	16	
M030102ABB	24	60	3	1,5	1	16	

Wiring diagram M03.2, 3 poles



Wiring diagram M03.2, 6 poles with aux. microswitch



## M03.K

Spare part kit for M03.4, M03.3 and M03.2 actuators. Complete with knob, indicator, blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M03000000K	1	-	

## P27T3

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5–90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).

Temperature adjustment range: **5–90 °C**

Torque: **5 N·m**

Protection class: **IP 42**

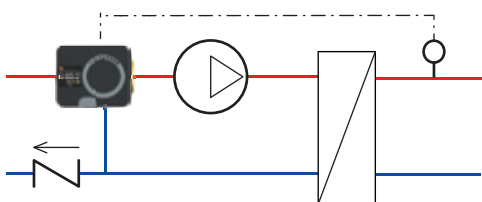
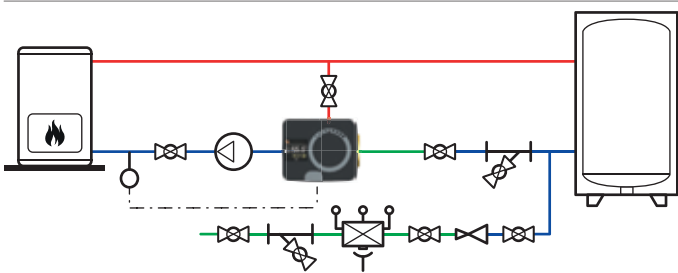
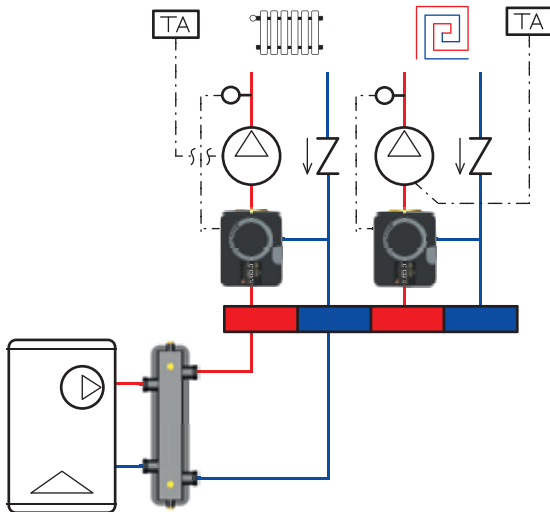
Frequency: **50 Hz**

Power consumption: **5 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
P27230010T3	TBS 230	120	2	2	1	6	

**P27T3: fixed point regulation with 3-way mixing valves/Anticondensation for biomass generators/Regulation of a heat exchanger**



## M04

Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable

Torque: **5 N·m**

Feedback: **0–10 V/4–20 mA**

Protection class: **IP 42**

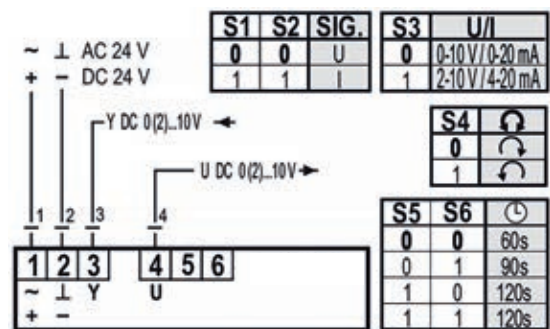
Frequency: **50 Hz**

Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M040103MAB	TBS 24	60 - 90 - 120	4	1,95	1	10	

**Wiring diagram M04 0(2)–10 V**



## M04.K

Spare part kit for P27T2 and M04 actuators. Complete with blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M04000000K	1	-	

## 14D.10

Spare probe Pt 1000 for P27T2 actuator.

Working temperature range: **-25–150 °C**



Code	Size	Cable [m]			€
14D100010	4 mm	1	1	-	

**B2**

**FLANGED VALVES**

**P51**

3-way flanged sector mixing valve - PN 6

Max working temperature: 120 °C

Max working pressure: 6 bar

Material: cast iron



Code	Size	Kv		€
P510400MM	DN 40	41	1	
P510500MN	DN 50	65	1	
P510650MO	DN 65	100	1	
P510800MP	DN 80	185	1	
P511000MQ	DN 100	310	1	
P511250MR	DN 125	510	1	
P511500MS	DN 150	820	1	

**P52**

4-way flanged butterfly mixing valve - PN 6

Max working temperature: 120 °C

Max working pressure: 6 bar

Material: cast iron



Code	Size	Kv		€
P520400MM	DN 40	41	1	
P520500MN	DN 50	65	1	
P520650MO	DN 65	100	1	
P520800MP	DN 80	185	1	
P521000MQ	DN 100	310	1	
P521250MR	DN 125	510	1	
P521500MS	DN 150	820	1	

**P88**

3-way flanged butterfly mixing valve - PN 6

Max working temperature: 120 °C

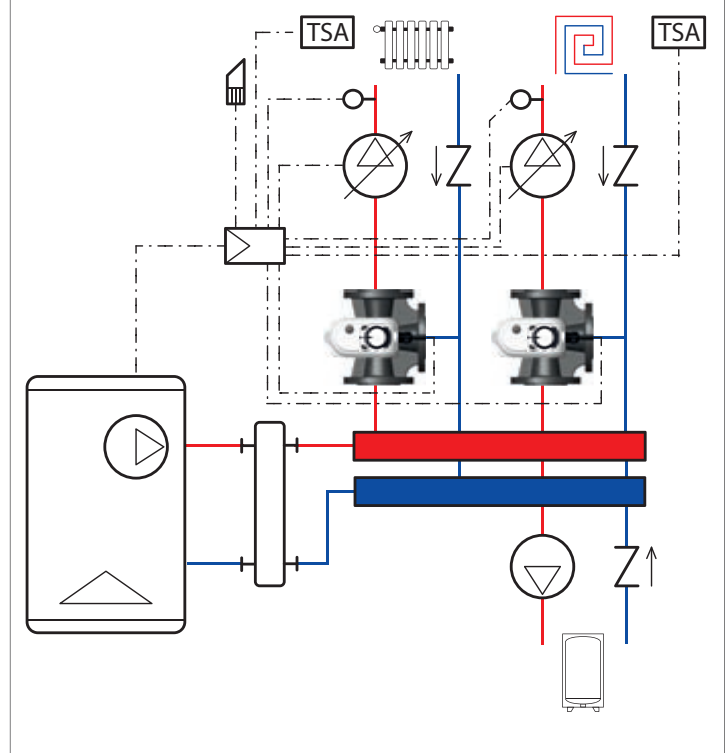
Max working pressure: 6 bar

Material: cast iron

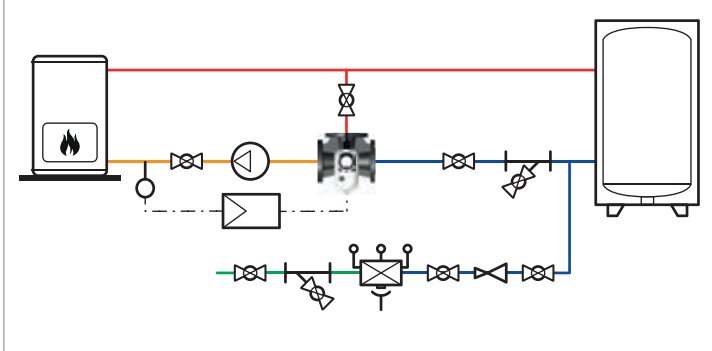


Code	Size	Kv		€
P880400MM	DN 40	41	1	
P880500MN	DN 50	65	1	
P880650MO	DN 65	100	1	
P880800MP	DN 80	185	1	
P881000MQ	DN 100	310	1	
P881250MR	DN 125	510	1	
P881500MS	DN 150	820	1	

**P51 mixing valve with weather compensated regulation**



**Use of P51 valve with anti-condensation function**



## MO1.K

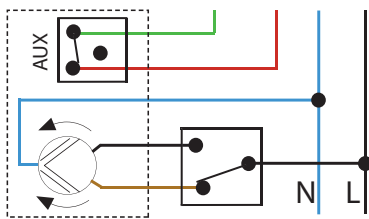
Actuator for flanged mixing valves, rotation angle 90°, 3 point regulation, with auxiliary microswitch and assembling kit (art. P87)

Torque: **20 N·m**  
 Protection class: **IP 54**  
 Frequency: **50 Hz**  
 Power consumption: **4 VA**  
 Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M010202FAAK	24	120	5	0,9	1	12	

Wiring diagram MO1, 3 points with aux. microswitch



## MO7.K

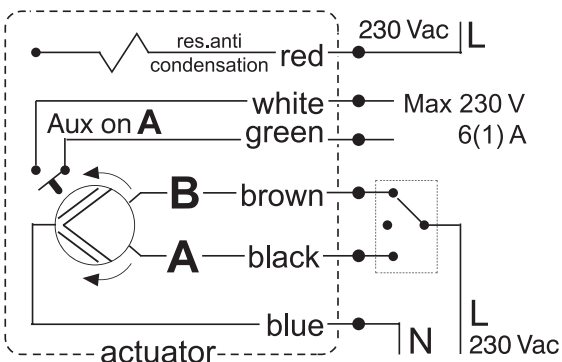
Actuator for flanged mixing valves, rotation angle 90°, 3 point regulation, with auxiliary microswitch and assembling kit (art. P87)

Torque: **18 N·m**  
 Protection class: **IP 65**  
 Frequency: **50–60 Hz**  
 Power consumption: **4,5 VA**  
 Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M0701810AAK	230	120	6	0,75	1	12	

Wiring diagram MO7, 3 points with aux. microswitch



## MO7.3QK

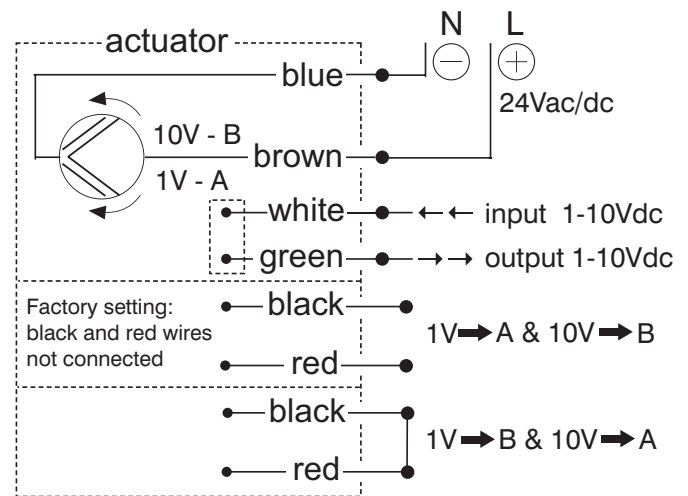
Actuator for flanged mixing valves, rotation angle 90°, 0–10 V regulation, with assembling kit (art. P87)

Torque: **18 N·m**  
 Protection class: **IP 65**  
 Frequency: **50–60 Hz**  
 Power consumption: **6 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M070153QAAK	24 ac/dc	120	6	0,75	1	12	

Wiring diagram MO7 0–10 V



## P87

Assembling kit for flanged mixing valve actuator



Code			€
P8700000K	1	20	

# V38.05

Kit with Y fitting and immersion probe pocket

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Probe diameter: **6 mm**

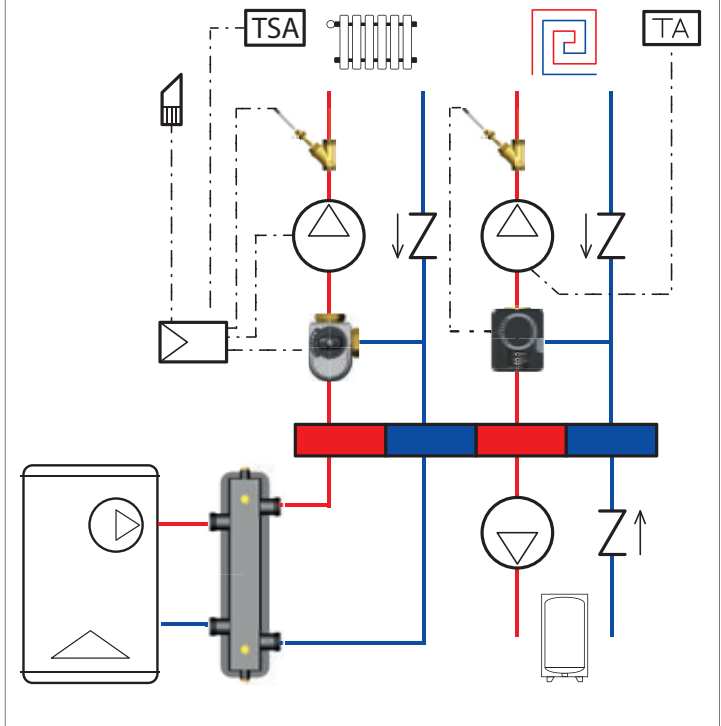


Code	Size			€
V3802000005	G 3/4 M	2	-	
V3802500005	G 1 M	2	-	

## Fitting V38.05 with pocket specific for immersion probe



## V38.05: application as probe holder on the flow pipe of a regulating system



# P28.14

Immersion probe pocket - seal on fitting

Max working temperature: **95 °C**

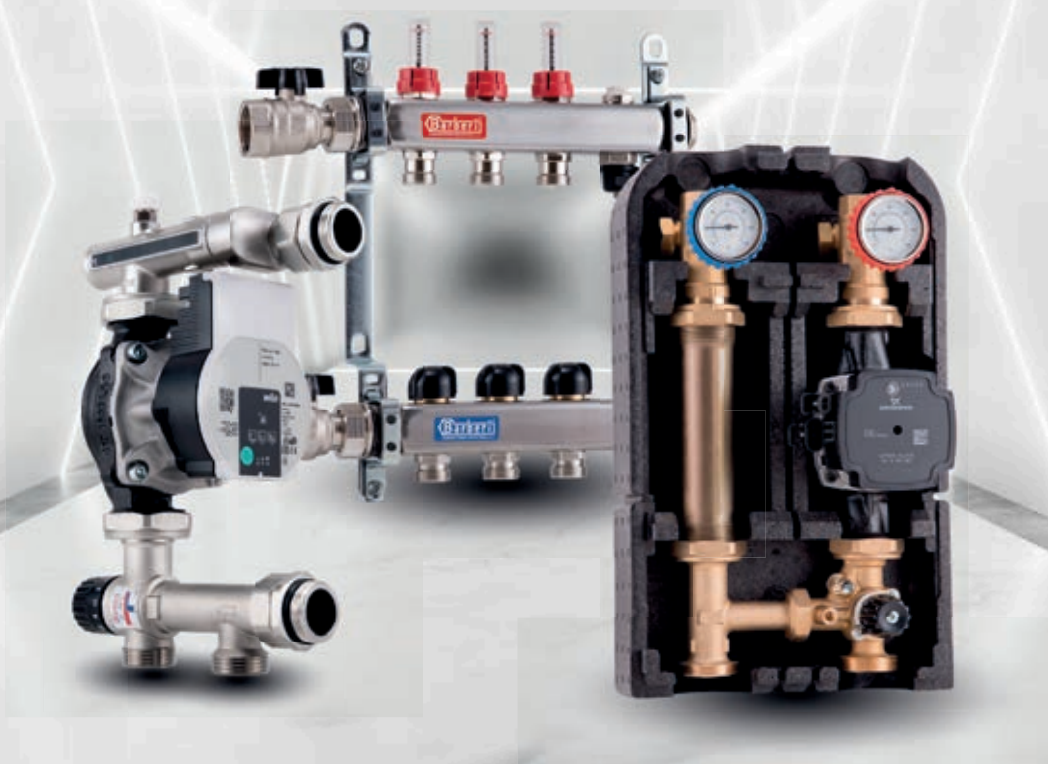
Max working pressure: **16 bar**

Probe diameter: **6 mm**



Code	Size			€
P2801500014	G 1/2 M	10	50	



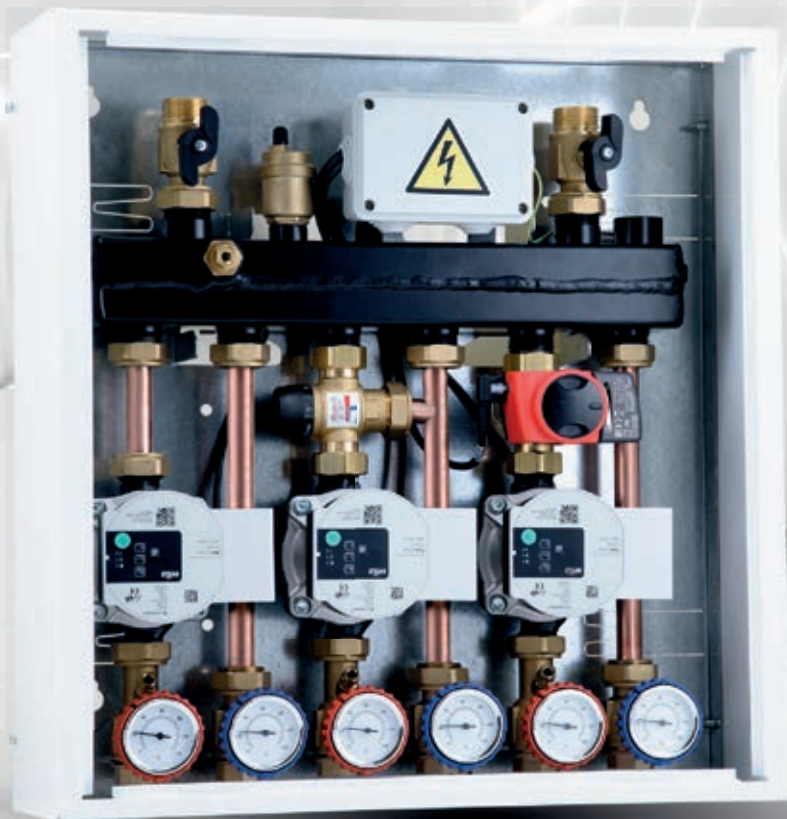
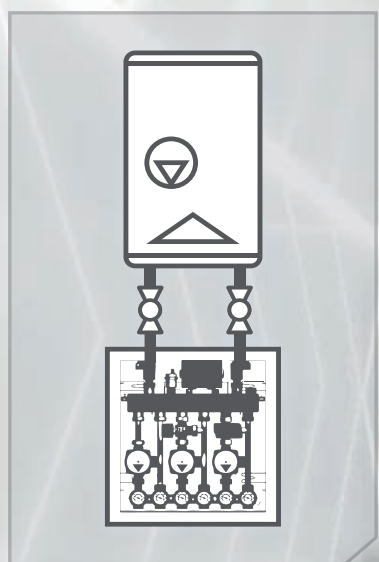


REGULATING  
GROUPS  
AND HEATING  
COMPONENTS

**B03**

# DN 20

EVERYTHING IN A  
SMALL BOX



COMPACT



SEPARATOR CAN  
BE DISABLED



FOR 2 OR 3  
CIRCUITS



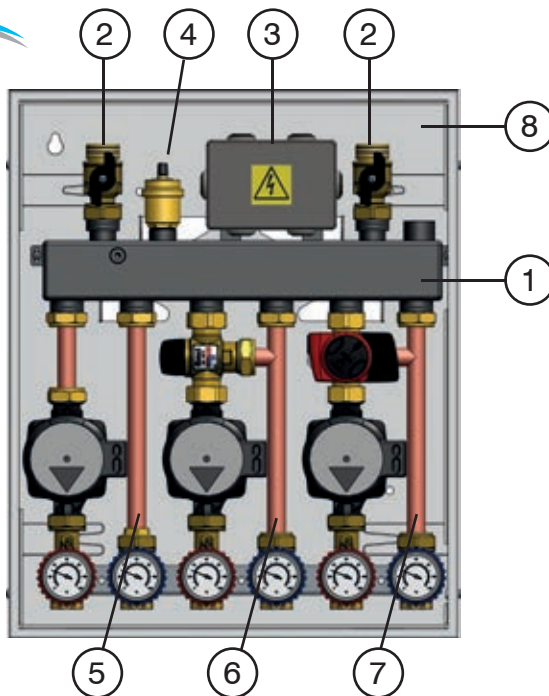
PRE-INSTALLED  
AND PRE-WIRED



CAN BE WALL  
RECESSED

WALL  
**BOX**  
DN20

REGULATING GROUPS IN BOX

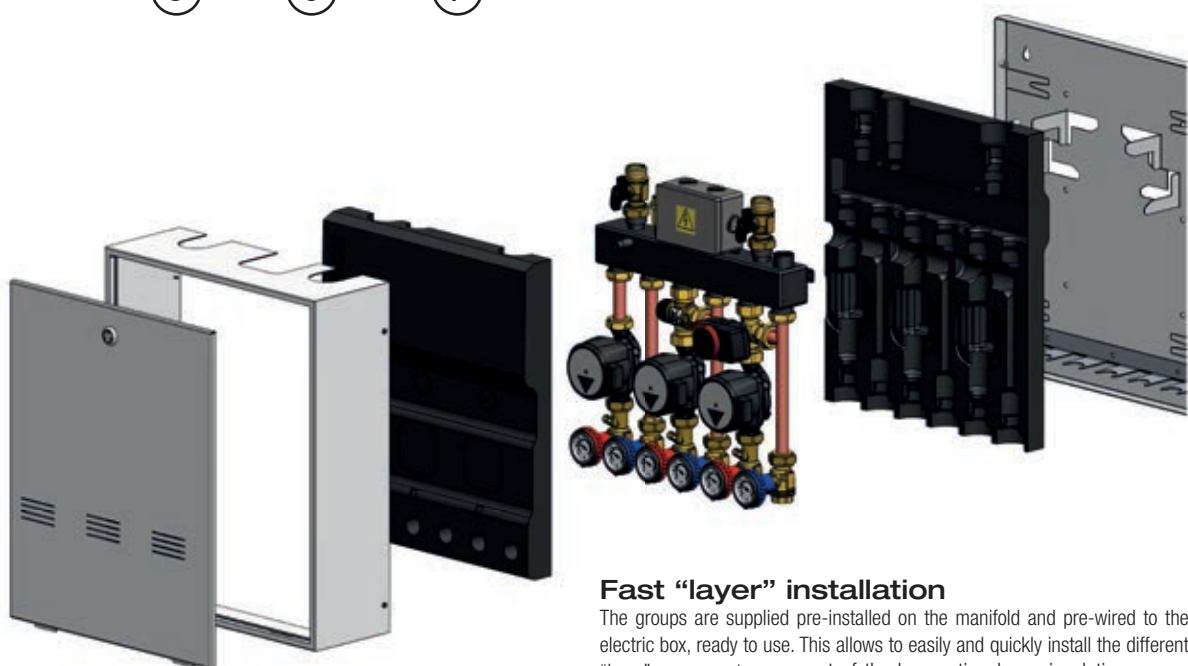


### Components of the groups in box, 70G.DN20 series

- 1) Distribution manifold with hydraulic separator (can be disabled)
- 2) Ball shut-off valves
- 3) Pre-wired electric box
- 4) Automatic air vent
- 5) Direct distribution group 71G.DN20
- 6) Thermostatic regulating group 72G.DN20
- 7) Motorized regulating group 73G.DN20
- 8) Box

### Advantages

- The hydraulic separator can be disabled
- Versions to regulate 2 or 3 heating circuits
- Test ports on the flow lines and manifold
- Pre-assembled
- Pre-wired
- 70 mm centre distance between the outlets
- Super compact dimensions
- Optional inner insulation



### Fast “layer” installation

The groups are supplied pre-installed on the manifold and pre-wired to the electric box, ready to use. This allows to easily and quickly install the different “layer” components: rear part of the box, optional rear insulation, groups with manifold, optional front insulation, frame and cover.

### ACCESSORIES



Insulation  
43D.02

### PUMPS



Para 15-130/7



UPM3 Auto 15-70 130

### ACTUATORS



3 points, 230 V  
M10.03P.3MM



# 70G.DN20



Pre-assembled kit composed of box, distribution manifold with hydraulic separator (can be disabled), pre-wired electric box, 2 or 3 DN 20 groups to choose among: direct distribution group 71G.DN20, thermostatic regulating group 72G.DN20, 3 point motorized regulating group 73G.DN20. Optional insulation 43D.02.

Technical data: see groups 71G.DN20, 72G.DN20, 73G.DN20

Max flow rate: 3 m³/h

Max working temperature: 90 °C

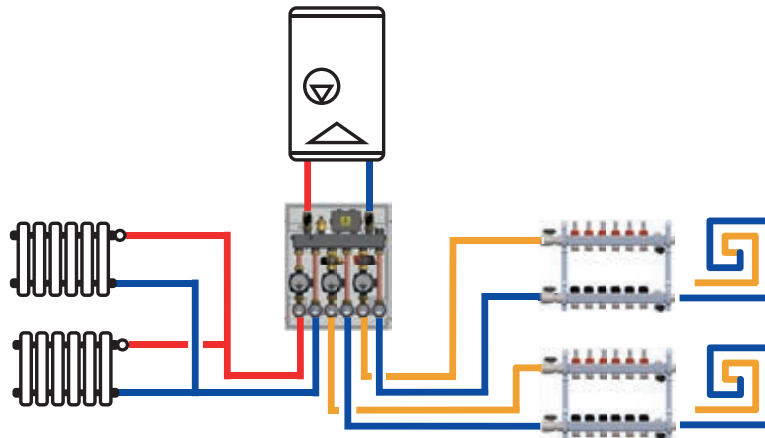
Max working pressure: 4 bar

Connection centre distance: 70 mm

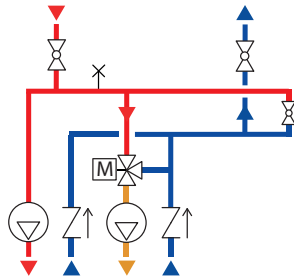
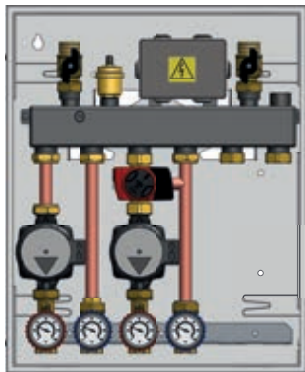


Code	Size	Components	Pump	Pump code		€
70G13000L	G 1 M - G 3/4 F	71G+73G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G13000P	G 1 M - G 3/4 F	71G+73G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G11000L	G 1 M - G 3/4 F	71G+71G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G11000P	G 1 M - G 3/4 F	71G+71G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G12000L	G 1 M - G 3/4 F	71G+72G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G12000P	G 1 M - G 3/4 F	71G+72G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G33000L	G 1 M - G 3/4 F	73G+73G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G33000P	G 1 M - G 3/4 F	73G+73G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G13300L	G 1 M - G 3/4 F	71G+73G+73G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G13300P	G 1 M - G 3/4 F	71G+73G+73G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G22000L	G 1 M - G 3/4 F	72G+72G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G22000P	G 1 M - G 3/4 F	72G+72G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G12300L	G 1 M - G 3/4 F	71G+72G+73G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G12300P	G 1 M - G 3/4 F	71G+72G+73G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	
70G12200L	G 1 M - G 3/4 F	71G+72G+72G	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN25	1	
70G12200P	G 1 M - G 3/4 F	71G+72G+72G	<b>wilo</b> Para 15-130/7-50/SC-9	29A.25	1	

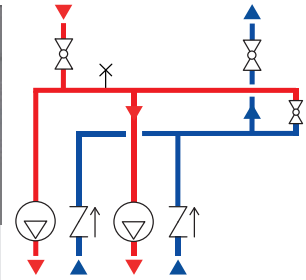
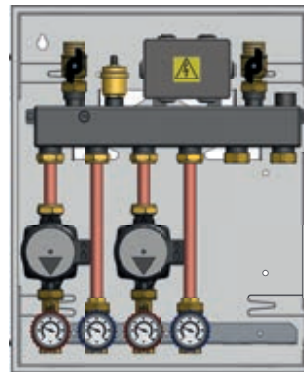
## 70G.DN20 groups in box coupled to radiators and radiant panels



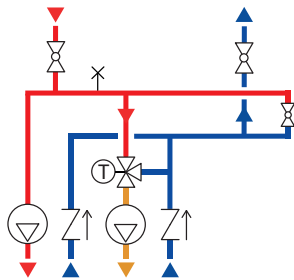
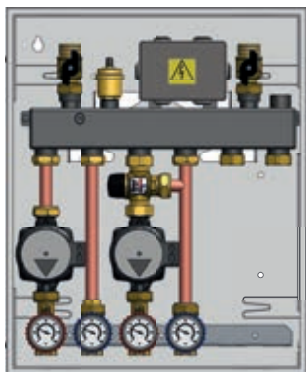
Versions of 70G.DN20 groups



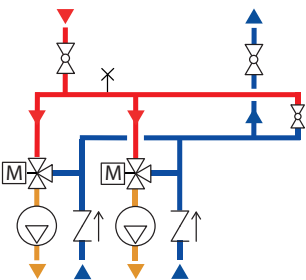
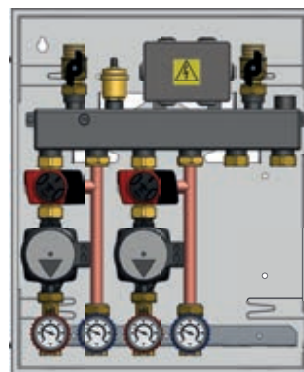
70G 130 00L  
70G 130 00P



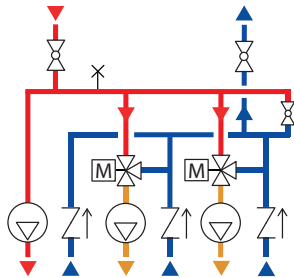
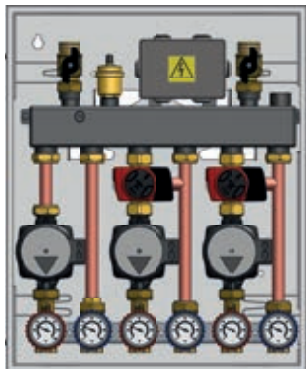
70G 110 00L  
70G 110 00P



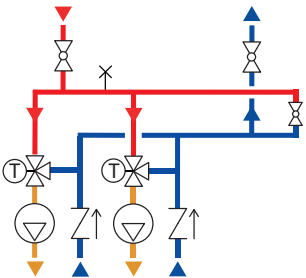
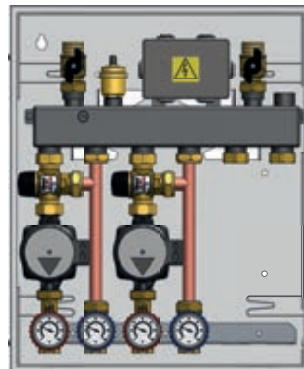
70G 120 00L  
70G 120 00P



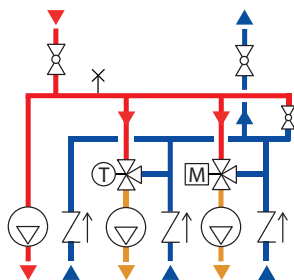
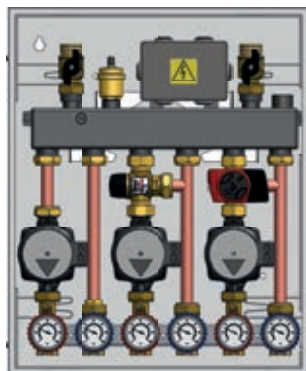
70G 330 00L  
70G 330 00P



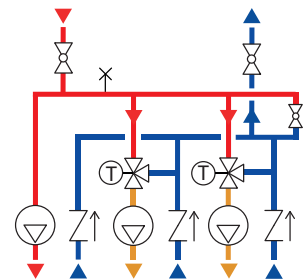
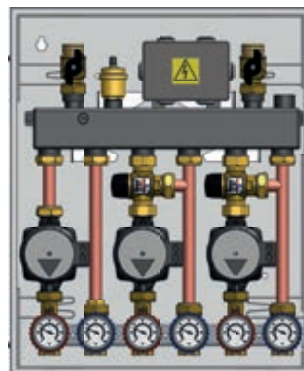
70G 133 00L  
70G 133 00P



70G 220 00L  
70G 220 00P



70G 123 00L  
70G 123 00P



70G 122 00L  
70G 122 00P

## 71G.DN20



Direct distribution group - DN 20 - without connections for by-pass. Complete with cables.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **70 mm**

Code	Size	Pump	Pump code		€
71G02000L	G 1 RN - G 3/4 F	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	1	
71G02000P	G 1 RN - G 3/4 F	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	1	



## 72G.DN20



Regulating group with thermostatic mixing valve - DN 20 - without connections for by-pass. Complete with cables.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **70 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C		€
72G02000L	G 1 RN - G 3/4 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	20-55	1	
72G02000P	G 1 RN - G 3/4 F	3,5	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	20-55	1	



## 73G.DN20



Regulating group with 3-way mixing valve fitted to be actuated - DN 20 - 3 point actuator - without connections for by-pass. Complete with cables.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **70 mm**

Supply: **230 V**

Running time: **120 s**

Nr. poles: **3**

Protection class: **IP 40**

Frequency: **50-60 Hz**

Power consumption: **4,5 VA**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
73G02000L	G 1 RN - G 3/4 F	4	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	1	
73G02000P	G 1 RN - G 3/4 F	4	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	1	



## 70G.00



Pre-assembled kit composed of box, distribution manifold with hydraulic separator (can be disabled). Pre-wired electric box to connect 3 pumps and 2 actuators (3 point type) M10.O3P.3MM.

Max flow rate: **3 m³/h**

Max working temperature: **90 °C**

Max working pressure: **4 bar**

Connection centre distance: **70 mm**

Code	Size	Cable for pump		€
70G00000L	G 1 M - G 1 M	Grundfos UPM3	1	
70G00000P	G 1 M - G 1 M	Wilo Para	1	



## 99B.08



Pre-wired electric box to connect 3 pumps and 2 actuators (3 point type) M10.03P.3MM.



Code	Cable for pump		€
99B0000080	Grundfos UPM3	1	
99B0000081	Wilo Para	1	

## 43D.02



Optional inner insulation for groups in box 70G.DN20.



Material: **PE-X**

Code	Size		€
43D02000021	for 2 groups	1	
43D02000022	for 3 groups	1	

## M10.03P.3MM



Spare 3 point actuator for motorized group 73G.DN20. With rapid assembling on the valve, manual knob and cable.



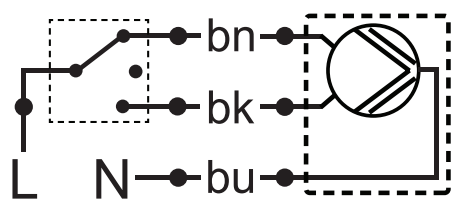
Protection class: **IP 40**

Frequency: **50-60 Hz**

Power consumption: **4,5 VA**

Code	V	Running time [s]	Nr. poles	Cable connection			€
M1003P016001	230	120	3	Rapid	1	10	

### Wiring diagram M10, 3 points



## 14D.18



Spare cable for M10.03P.3MM actuator with plug connector - 3 poles



Max working temperature: **105 °C**

Pole cross-section: **3 x 0,75 mm<sup>2</sup>**

Max electrical resistance (20 °C): **26 Ω/km**

Code	Nr. poles			€
14D050018	3	-	-	

## 25AK.DN20

Spare pump Grundfos UPM3 AUTO 15-70 130 with high efficiency (EEI<0,20). Complete with 3 pole cable.



Max head: **7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**

Code	Size	Nr. poles	Cable [m]	€
25A025070BK	G 1 M	3	1	

## 14D.2

3 pole cable with 90° rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar pumps



Code	Nr. poles	Cable [m]	€
14D100002	3	1	

## 29A.25

Spare pump Wilo Para with high efficiency (EEI<0,20). With 1 m cable



Max head: **7,7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**

Code	Size	Pump	Cable [m]	€
29A025070BK	G 1 M	Para 15-130/7-50/SC-9	1	

## 14D.5

3 pole cable with 90° rapid connector for Wilo Para



Code	Nr. poles	Cable [m]	€
14D100005	3	1	

# DN 20

EVERYTHING IN A  
SMALL SPACE



COMPACT



MULTIFUNCTION



EVERYTHING  
UNDER  
CONTROL



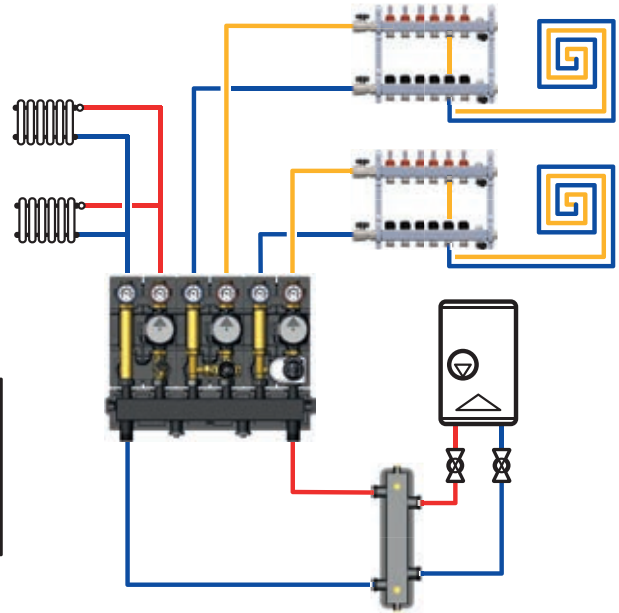
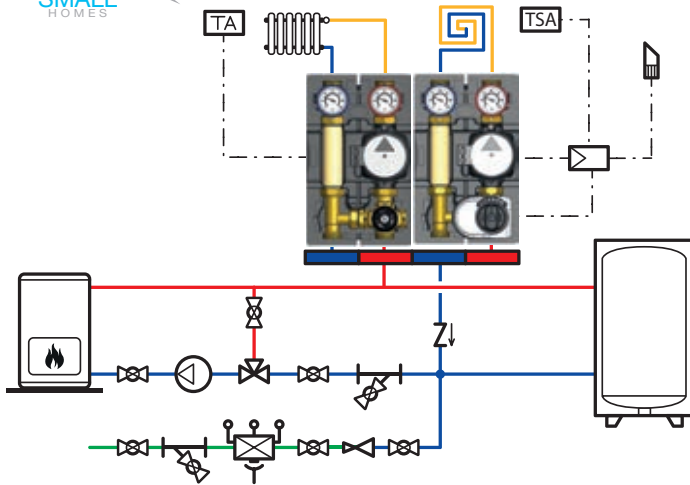
USER  
FRIENDLY



## KIT KG2

NOW AVAILABLE IN ALL-IN-ONE KITS





### DISTRIBUTION AND REGULATING GROUPS DN 20



Reversible without connections for by-pass  
01G.DN20



Reversible without connections for by-pass  
02G.DN20



Reversible without connections for by-pass motorized  
07G.04.DN20



Reversible without connections for by-pass  
07G.DN20

### MANIFOLDS



Only UP  
3 m<sup>3</sup>/h  
2 and 3 outlets  
P72.DN20



With integrated hydraulic separator  
3 m<sup>3</sup>/h  
2 and 3 outlets  
P74.DN20

### ACCESSORIES



Bracket for wall mounting:  
42D.DN20

### PUMPS



Para 15-130/7



UPM3 Auto 15-70 130



UPS0 15-65 130 (Extra EU)

### ACTUATORS



3 points, 230 V  
M03.3



0(2)-10 V, 24 V  
M04



Fixed point with display, 230 V  
P27T3

## 61G.DN20



Kit composed of distribution manifold with integrated hydraulic separator and two direct distribution groups. Invertible - DN 20 - without connections for by-pass. Male and female thread on system side connections. Complete with brackets and insulation.

Max working temperature: **90 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Code	Size	Pump	Pump code	m <sup>3</sup> /h		€
61G02010P	G 1 M - (G 1 M+G 3/4 F)	wilo Para 15-130/7-50/SC-9	29A.025	3	1	
61G02010X	G 1 M - (G 1 M+G 3/4 F)	WITHOUT PUMP	-	3	1	



## 63G.DN20



Kit composed of distribution manifold with integrated hydraulic separator, direct distribution group and thermostatic regulating group. Invertible - DN 20 - without connections for by-pass. Male and female thread on system side connections. Complete with brackets and insulation.

Max working temperature: **90 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	m <sup>3</sup> /h	°C		€
63G02010P	G 1 M - (G 1 M+G 3/4 F)	-/3,5	wilo Para 15-130/7-50/SC-9	29A.025	3	30-60	1	
63G02010X	G 1 M - (G 1 M+G 3/4 F)	-/3,5	WITHOUT PUMP	-	3	30-60	1	



## 64G.4.DN20



Kit composed of distribution manifold with integrated hydraulic separator, direct distribution group, regulating group with 3-way mixing valve fitted to be actuated and 3 point actuator. Invertible - DN 20 - without connections for by-pass. Male and female thread on system side connections. Complete with brackets and insulation.

Max working temperature: **90 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Supply: **230 V**

Running time: **120 s**

Nr. poles: **3**

Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

Power consumption: **4 VA**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	m <sup>3</sup> /h		€
64G02014P	G 1 M - (G 1 M+G 3/4 F)	-/4	wilo Para 15-130/7-50/SC-9	29A.025	3	1	
64G02014X	G 1 M - (G 1 M+G 3/4 F)	-/4	WITHOUT PUMP	-	3	1	



## 62G.DN20



Kit composed of distribution manifold with integrated hydraulic separator and two regulating groups with thermostatic mixing valve. Invertible - DN 20 - without connections for by-pass. Male and female thread on system side connections. Complete with brackets and insulation.

Max working temperature: **90 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	m <sup>3</sup> /h	°C		€
62G02010P	G 1 M - (G 1 M+G 3/4 F)	3,5/3,5	wilo Para 15-130/7-50/SC-9	29A.025	3	30-60	1	
62G02010X	G 1 M - (G 1 M+G 3/4 F)	3,5/3,5	WITHOUT PUMP	-	3	30-60	1	



## 67G.4.DN20



Kit composed of distribution manifold with integrated hydraulic separator, two regulating groups with 3-way mixing valve fitted to be actuated and 3 point actuator. Invertible - DN 20 - without connections for by-pass. Male and female thread on system side connections. Complete with brackets and insulation.

Max working temperature: **90 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Supply: **230 V**

Running time: **120 s**

Nr. poles: **3**

Torque: **10 N-m**

Protection class: **IP 44**

Frequency: **50 Hz**

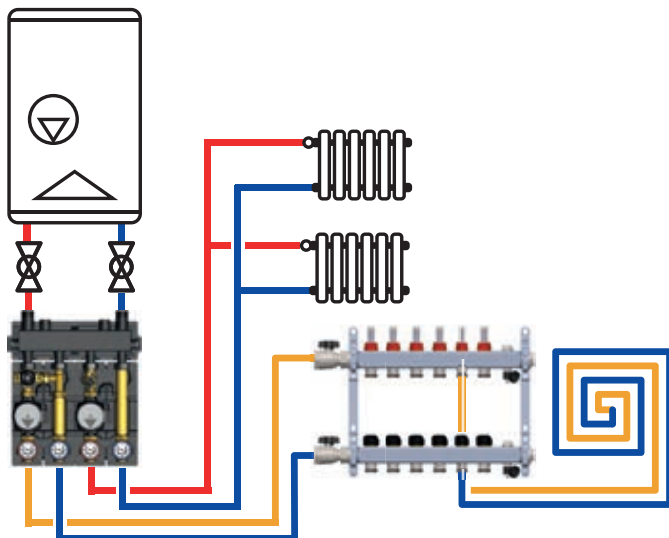
Power consumption: **4 VA**

Flow coefficient Kv of the mixing valve only

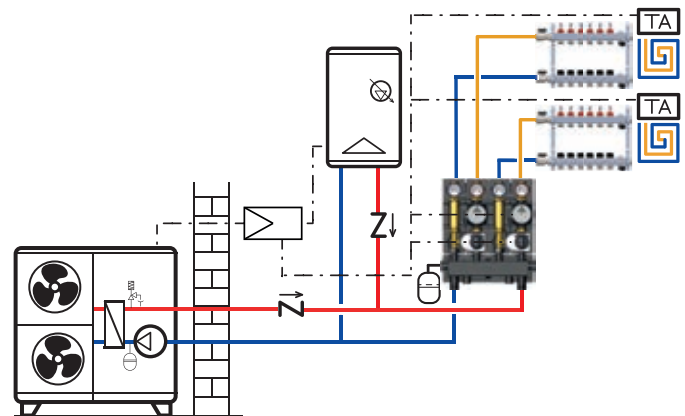
Code	Size	Kv	Pump	Pump code	m <sup>3</sup> /h		€
67G02014P	G 1 M - (G 1 M+G 3/4 F)	4/4	wilo Para 15-130/7-50/SC-9	29A.025	3	1	
67G02014X	G 1 M - (G 1 M+G 3/4 F)	4/4	WITHOUT PUMP	-	3	1	



**KG2 kit with integrated hydraulic separator combined with boiler, radiators and radiant panels**



**KG2 kit with integrated hydraulic separator combined with heat pump, boiler and radiant panels**



## 01G.DN20

Direct distribution group - reversible - DN 20 - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Code	Size	Pump	Pump code		€
01G02000P	G 1 M - (G 1 M+G 3/4 F)	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	1	
01G02000L	G 1 M - (G 1 M+G 3/4 F)	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	1	
01G02000F	G 1 M - (G 1 M+G 3/4 F)	<b>GRUNDFOS</b> (Extra EU) UPSO 15-65 130	01A.25	1	
01G02000X	G 1 M - (G 1 M+G 3/4 F)	WITHOUT PUMP	-	1	



## 02G.DN20

Regulating group with thermostatic mixing valve - reversible - DN 20 - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C		€
02G02000P	G 1 M - (G 1 M+G 3/4 F)	3,5	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	30-60	1	
02G02000L	G 1 M - (G 1 M+G 3/4 F)	3,5	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	30-60	1	
02G02000F	G 1 M - (G 1 M+G 3/4 F)	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 15-65 130	01A.25	30-60	1	
02G02000X	G 1 M - (G 1 M+G 3/4 F)	3,5	WITHOUT PUMP	-	30-60	1	
02G02000PE	G 1 M - (G 1 M+G 3/4 F)	3,5	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	25-50	1	
02G02000LE	G 1 M - (G 1 M+G 3/4 F)	3,5	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	25-50	1	
02G02000FE	G 1 M - (G 1 M+G 3/4 F)	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 15-65 130	01A.25	25-50	1	
02G02000XE	G 1 M - (G 1 M+G 3/4 F)	3,5	WITHOUT PUMP	-	25-50	1	



## 07G.04.DN20

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 20 - 3 point actuator - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Supply: **230 V**

Running time: **120 s**

Nr. poles: **3**

Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

Power consumption: **4 VA**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	Cable [m]		€
07G02004P	G 1 M - (G 1 M+G 3/4 F)	4	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	1,5	1	
07G02004L	G 1 M - (G 1 M+G 3/4 F)	4	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	1,5	1	
07G02004F	G 1 M - (G 1 M+G 3/4 F)	4	<b>GRUNDFOS</b> (Extra EU) UPSO 15-65 130	01A.25	1,5	1	
07G02004X	G 1 M - (G 1 M+G 3/4 F)	4	WITHOUT PUMP	-	1,5	1	



## 07G.DN20

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 20 - without connections for by-pass. Male and female thread on system side connections

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **90 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G02000P	G 1 M - (G 1 M+G 3/4 F)	4	<b>wilo</b> Para 15-130/7-50/SC-9	29A.025	1	
07G02000L	G 1 M - (G 1 M+G 3/4 F)	4	<b>GRUNDFOS</b> UPM3 AUTO 15-70 130	25AK.DN20	1	
07G02000F	G 1 M - (G 1 M+G 3/4 F)	4	<b>GRUNDFOS</b> (Extra EU) UPSO 15-65 130	01A.25	1	
07G02000X	G 1 M - (G 1 M+G 3/4 F)	4	WITHOUT PUMP	-	1	



## P72.DN20

Dual distribution manifold with thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

Max working temperature: **110 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Material: **steel**

Code	Size	m <sup>3</sup> /h	Nr. of zones		€
P72025002	G 1 M - G 1 RN	3	2	1	
P72025003	G 1 M - G 1 RN	3	3	1	



## P74.DN20

Distribution manifold with integrated hydraulic separator and thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

Max working temperature: **110 °C**

Max working pressure: **4 bar**

Connection centre distance: **90 mm**

Material: **steel**

Code	Size	m <sup>3</sup> /h	Nr. of zones		€
P74025002	G 1 M - G 1 RN	3	2	1	
P74025003	G 1 M - G 1 RN	3	3	1	



## 42D.DN20

Bracket for wall mounting of the distribution and regulating groups, with screws and anchors

Hole centre distance: **45 mm**

Hole diameter: **8 mm**

Code			€
42D020Z001	1	25	





**B3**

**ACTUATORS FOR GROUPS DN 20**

**M03.3**

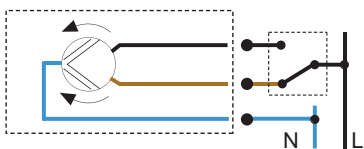
Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)



Torque: **10 N·m**  
 Protection class: **IP 44**  
 Frequency: **50 Hz**  
 Power consumption: **4 VA**  
 Aux. microswitch contact rating: **6 (1) A**

Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101DAB	230	120	3	1,5	1	16	

Wiring diagram M03.3, 3 poles



**M04**

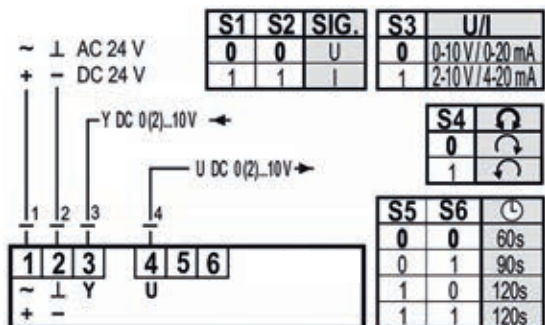
Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable



Torque: **5 N·m**  
 Feedback: **0-10 V/4-20 mA**  
 Protection class: **IP 42**  
 Frequency: **50 Hz**  
 Power consumption: **4 VA**

Code	V	Running time [s]	Nr. poles	Cable [m]			€
M040103MAB	24	60 - 90 - 120	4	1,95	1	10	

Wiring diagram M04 0(2)-10 V



**P27T3**

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5-90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).



Temperature adjustment range: **5-90 °C**  
 Torque: **5 N·m**  
 Protection class: **IP 42**  
 Frequency: **50 Hz**  
 Power consumption: **5 VA**

Code	V	Running time [s]	Nr. poles	Cable [m]			€
P27230010T3	230	120	2	2	1	6	

**M03.K**

Spare part kit for M03.4, M03.3 and M03.2 actuators. Complete with knob, indicator, blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M03000000K	1	-	

**M04.K**

Spare part kit for P27T2 and M04 actuators. Complete with blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M04000000K	1	-	

**14D.10**

Spare probe Pt 1000 for P27T2 actuator.  
 Working temperature range: **-25-150 °C**



Code	Size	Cable [m]			€
14D100010	4 mm	1	1	-	

## 52D.DN20

Kit composed by thermostatic mixing valve, pump connection and T-joint on the return

Flow coefficient: **Kv 3,5**

Connection centre distance: **90 mm**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size	°C			€
52D0250T1	G 1 M - G 1 RN	25-50	1	8	
52D0250T2	G 1 M - G 1 RN	30-60	1	8	

## 51D.DN20

Kit composed of mixing valve with by-pass, pump connection and T-joint on the return

Connection centre distance: **90 mm**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
51D0250B0	G 1 M - G 1 RN	4	1	8	

## 630.4

4-way thermostatic mixing valve with 90° inlets - pump and manifold connection - Kv 3,5 - range 30-60 °C

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30-60 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
630A200004	G 1 M - G 1 RN - G 3/4 M	1	6	

## 630.104

4-way thermostatic mixing valve with 90° inlets - pump and manifold connection - Kv 3,5 - range 25-50 °C

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **25-50 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
630A200104	G 1 M - G 1 RN - G 3/4 M	1	6	

## 41D

3-way mixing valve with by-pass fitted to be actuated - pump connection - distribution manifold connection

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
41D025000B	G 1 M - G 3/4 M - G 1 RN	4	1	10	

## 40D.DN20

Extension with flat seat, connection distance 210 mm

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
40D025000	G 1 M - 210 mm	-	16	

## 40D.1.DN20

Extension with flat seat, connection distance 130 mm

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
40D025001	G 1 M - 130 mm	-	16	

## 53D.S.DN20

Pair of spare brackets for wall mounting of the distribution manifold P72.DN20 and manifold-separator P74.DN20.

Hole centre distance: **70 mm**

Hole diameter: **11 mm**



Code	Size			€
53D02000S1	for P72.DN20 and P74.DN20	1	-	



### 38D.DN20.1

Monobloc with pump connection (ball shut-off valve + temperature gauge) - temperature gauge 0-120 °C - DN 20

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0200001	G 1 RN - (G 1 M+G 3/4 F)	red	-	16	

### 37D.DN20.1

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + check valve override) - temperature gauge 0-120 °C - DN 20

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D0200001	(G 1 M+G 3/4 F) - G 1 RN	blue	-	16	

### 39D.DN20

Ball shut-off valve with pump connection - male connection

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
39D0200001	G 1 RN - G 1 M	black	-	25	

### 43D.DN20

Distribution and regulating group insulation

Material: **EPP**



Code	Size		€
43D020000	for 01G.DN20-02G.DN20	1	
43D0200001	for 07G.04.DN20-07G.DN20	1	

### 29A.25

Spare pump Wilo Para with high efficiency (EEI<0,20). With 1 m cable

Max head: **7,7 m w.g.**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	Pump	Cable [m]	€
29A025070BK	G 1 M	Para 15-130/7-50/SC-9	1	

### 14D.5

3 pole cable with 90° rapid connector for Wilo Para



Code	Nr. poles	Cable [m]	€
14D100005	3	1	

### 25AK.DN20

Spare pump Grundfos UPM3 AUTO 15-70 130 with high efficiency (EEI<0,20). Complete with 3 pole cable.

Max head: **7 m w.g.**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	Nr. poles	Cable [m]	€
25A025070BK	G 1 M	3	1	

### 14D.2

3 pole cable with 90° rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar pumps



Code	Nr. poles	Cable [m]	€
14D100002	3	1	

### 01A.25

Spare pump Grundfos UPSO 15-65 130 with 3 constant speeds (Extra EU)

Max head: **6,5 m w.g.**  
Max working temperature: **110 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	€
01A025065B	G 1 M	





## ACCESSORIES



Bracket for wall mounting:  
42D.DN25  
42D.DN32



Ball shut-off valve:  
39D, G 1 1/2 RN - G 1 1/2 M  
50D.M50, G 2 RN - G 2 M



Optional versions of groups with tailpieces.  
Tailpieces sold separately also:  
44D.DN25  
44D.DN32

DN 25



DN 32



## MANIFOLDS



Only UP  
3 m<sup>3</sup>/h  
2, 3, 4, 5, 6  
outlets  
P72.DN25

Only UP  
6,5 m<sup>3</sup>/h  
2, 3 outlets  
P72.DN32



UP/DOWN  
3 m<sup>3</sup>/h  
3, 5, 7 outlets  
V34.DN25



With integrated hydraulic separator  
3 m<sup>3</sup>/h  
2 and 3 outlets  
P74

## DIRECT DISTRIBUTION GROUPS



## THERMOSTATIC REGULATING GROUPS



## MOTORIZED REGULATING GROUPS



## HYDRAULIC SEPARATORS



4 m<sup>3</sup>/h  
22M.01

3 m<sup>3</sup>/h  
21M.01

V35



## ANTI-CONDENSATION GROUPS

## ACTUATORS



3 points, 230 V  
M03.3



0(2)-10 V, 24 V  
M04



Fixed point with display, 230 V  
P27T3

## PUMPS



UPM3 Auto 25-70 180  
UPM3 Auto 32-70 180



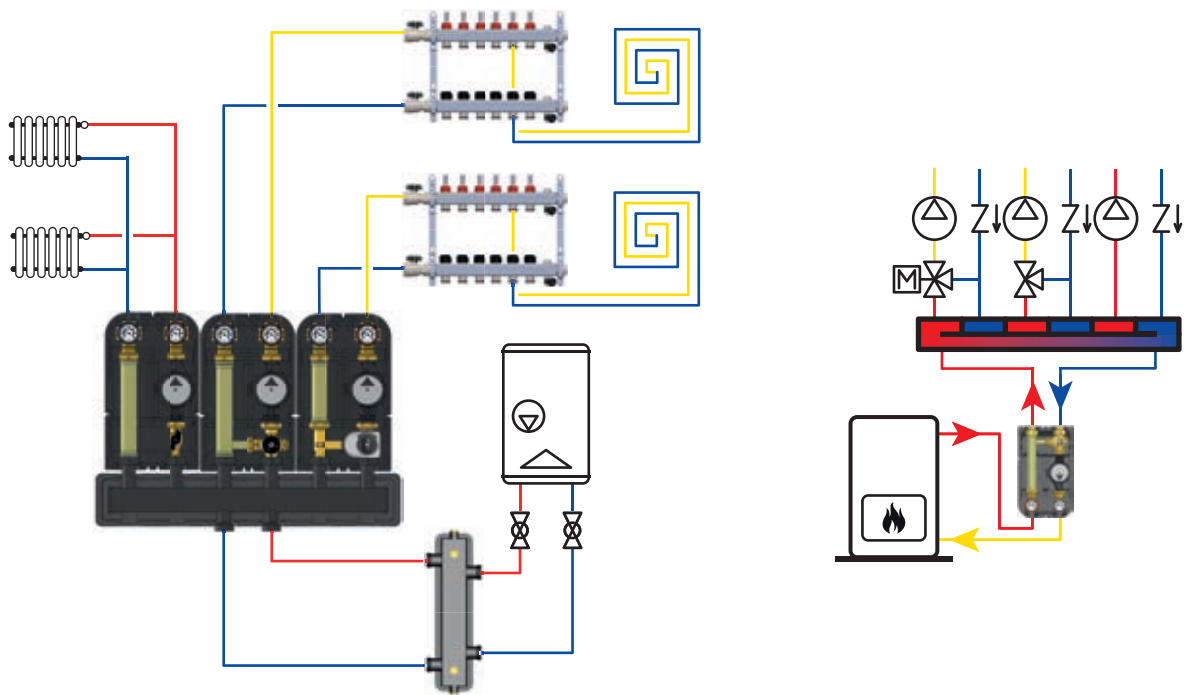
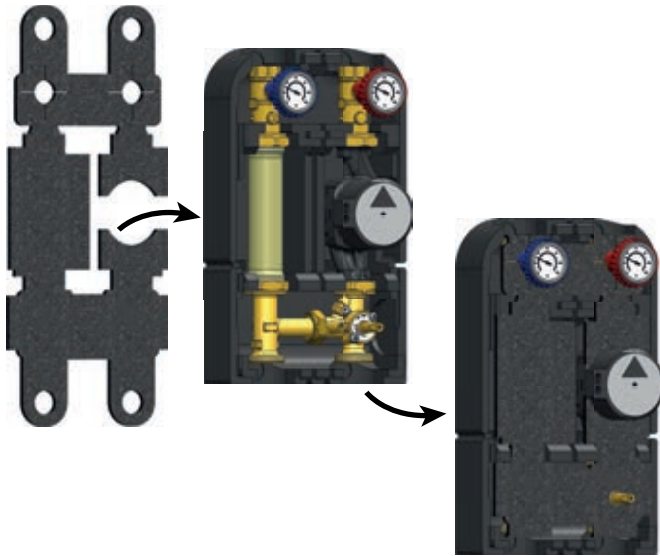
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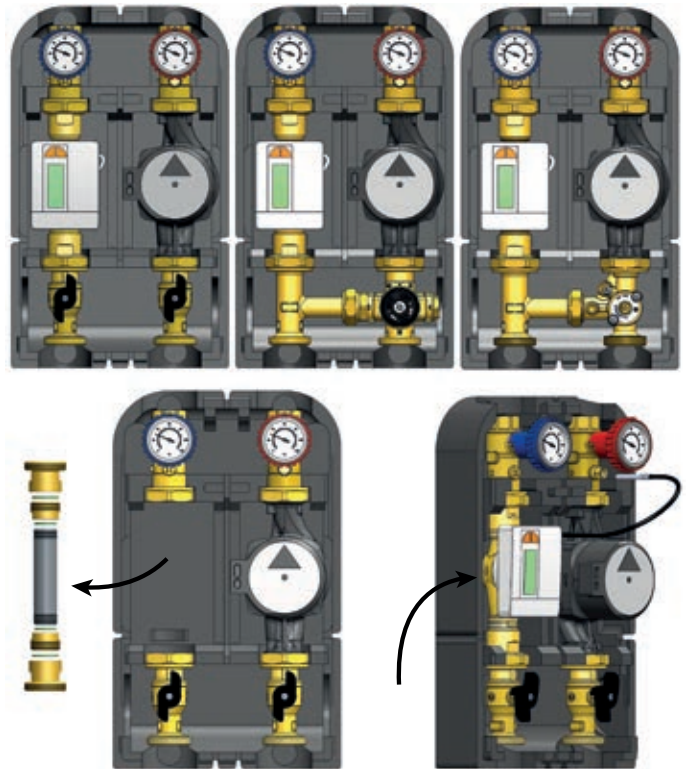
UPML Auto 25-105 180  
UPML Auto 32-105 180



UPS0 25-65 180 (Extra EU)  
UPS0 32-65 180 (Extra EU)

**Application diagram with distribution, regulating and anti-condensation groups, hydraulic separator and manifolds**

**41G.DN25 and 47G.DN25 for heating and cooling systems**


The 41G.DN25 and 47G.DN25 groups are equipped with soft PE-X supplementary insulation (43D.04) to be placed inside the rigid insulation. In this way they can be used in both heating and cooling systems.

**Energy metering device on groups 23G.DN25, 24G.DN25 and 25G.DN25**


Groups 23G.DN25, 24G.DN25 and 25G.DN25 are suitable for 110 or 130 mm energy metering devices, to be placed after removing the 40D.C elongation. These groups are equipped with immersion probe pocket on the flow manifold (red knob).

## 01G.DN25

Direct distribution group - reversible - DN 25 - with connections for by-pass (616)

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Code	Size	Pump	Pump code		€
01G02500U	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
01G02500H	G 1 1/2 M - G 1 F	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
01G02500K	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
01G02500C	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
01G02500X	G 1 1/2 M - G 1 F	WITHOUT PUMP	-	1	



## 31G.DN25

Direct distribution group - reversible - DN 25 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Code	Size	Pump	Pump code		€
31G02500U	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
31G02500H	G 1 1/2 M - G 1 F	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
31G02500K	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
31G02500C	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
31G02500X	G 1 1/2 M - G 1 F	WITHOUT PUMP	-	1	



## 23G.DN25

Direct distribution group - reversible - DN 25 - fitted for energy meter (G 3/4 110 mm, G 1 130 mm) - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Code	Size	Pump	Pump code		€
23G02500U	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
23G02500H	G 1 1/2 M - G 1 F	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
23G02500K	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
23G02500C	G 1 1/2 M - G 1 F	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
23G02500X	G 1 1/2 M - G 1 F	WITHOUT PUMP	-	1	



## 41G.DN25

Direct distribution group - reversible - DN 25 - without connections for by-pass. For heating and cooling systems

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Code	Size	Pump	Pump code		€
41G02500H	G 1 1/2 M - G 1 F	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
41G02500X	G 1 1/2 M - G 1 F	WITHOUT PUMP	-	1	



## 02G.DN25

Regulating group with thermostatic mixing valve - reversible - DN 25 - with connections for by-pass (616)

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C		€
02G02500U	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	30-60	1	
02G02500H	G 1 1/2 M - G 1 F	3,5	<b>wilo</b> Para 25-180/7-50/SC-12	30A	30-60	1	
02G02500K	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	30-60	1	
02G02500C	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	30-60	1	
02G02500X	G 1 1/2 M - G 1 F	3,5	WITHOUT PUMP	-	30-60	1	
02G02500UE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	25-50	1	
02G02500HE	G 1 1/2 M - G 1 F	3,5	<b>wilo</b> Para 25-180/7-50/SC-12	30A	25-50	1	
02G02500KE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	25-50	1	
02G02500CE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	25-50	1	
02G02500XE	G 1 1/2 M - G 1 F	3,5	WITHOUT PUMP	-	25-50	1	



## 32G.DN25

Regulating group with thermostatic mixing valve - reversible - DN 25 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C		€
32G02500U	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	30-60	1	
32G02500H	G 1 1/2 M - G 1 F	3,5	<b>wilo</b> Para 25-180/7-50/SC-12	30A	30-60	1	
32G02500K	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	30-60	1	
32G02500C	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	30-60	1	
32G02500X	G 1 1/2 M - G 1 F	3,5	WITHOUT PUMP	-	30-60	1	
32G02500UE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	25-50	1	
32G02500HE	G 1 1/2 M - G 1 F	3,5	<b>wilo</b> Para 25-180/7-50/SC-12	30A	25-50	1	
32G02500KE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	25-50	1	
32G02500CE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	25-50	1	
32G02500XE	G 1 1/2 M - G 1 F	3,5	WITHOUT PUMP	-	25-50	1	



## 24G.DN25

Regulating group with thermostatic mixing valve - reversible - DN 25 - fitted for energy meter (G 3/4 110 mm, G 1 130 mm) - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C		€
24G02500U	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	30-60	1	
24G02500H	G 1 1/2 M - G 1 F	3,5	<b>wilo</b> Para 25-180/7-50/SC-12	30A	30-60	1	
24G02500K	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	30-60	1	
24G02500C	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	30-60	1	
24G02500X	G 1 1/2 M - G 1 F	3,5	WITHOUT PUMP	-	30-60	1	
24G02500UE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	25-50	1	
24G02500HE	G 1 1/2 M - G 1 F	3,5	<b>wilo</b> Para 25-180/7-50/SC-12	30A	25-50	1	
24G02500KE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	25-50	1	
24G02500CE	G 1 1/2 M - G 1 F	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	25-50	1	
24G02500XE	G 1 1/2 M - G 1 F	3,5	WITHOUT PUMP	-	25-50	1	



## 07G.DN25-09G.DN25

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 25 - with connections for by-pass (616)

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G02500U	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
07G02500H	G 1 1/2 M - G 1 F	6	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
07G02500K	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
07G02500C	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
07G02500X	G 1 1/2 M - G 1 F	6	WITHOUT PUMP	-	1	
09G02500U	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
09G02500H	G 1 1/2 M - G 1 F	10	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
09G02500K	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
09G02500C	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
09G02500X	G 1 1/2 M - G 1 F	10	WITHOUT PUMP	-	1	



## 37G.DN25-39G.DN25

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 25 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
37G02500U	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
37G02500H	G 1 1/2 M - G 1 F	6	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
37G02500K	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
37G02500C	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
37G02500X	G 1 1/2 M - G 1 F	6	WITHOUT PUMP	-	1	
39G02500U	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
39G02500H	G 1 1/2 M - G 1 F	10	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
39G02500K	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
39G02500C	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
39G02500X	G 1 1/2 M - G 1 F	10	WITHOUT PUMP	-	1	



## 25G.DN25

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 25 - fitted for energy meter (G 3/4 110 mm, G 1 130 mm) - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
25G02500U	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
25G02500H	G 1 1/2 M - G 1 F	6	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
25G02500K	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
25G02500C	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
25G02500X	G 1 1/2 M - G 1 F	6	WITHOUT PUMP	-	1	



## 03G.DN25-05G.DN25

Regulating group with 3-way mixing valve fitted to be actuated - DN 25 - with connections for by-pass (616)

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
03G02500U	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
03G02500H	G 1 1/2 M - G 1 F	6	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
03G02500K	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
03G02500C	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
03G02500X	G 1 1/2 M - G 1 F	6	WITHOUT PUMP	-	1	
05G02500U	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
05G02500H	G 1 1/2 M - G 1 F	10	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
05G02500K	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
05G02500C	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
05G02500X	G 1 1/2 M - G 1 F	10	WITHOUT PUMP	-	1	



## 33G.DN25-35G.DN25

Regulating group with 3-way mixing valve fitted to be actuated - DN 25 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
33G02500U	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
33G02500H	G 1 1/2 M - G 1 F	6	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
33G02500K	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
33G02500C	G 1 1/2 M - G 1 F	6	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
33G02500X	G 1 1/2 M - G 1 F	6	WITHOUT PUMP	-	1	
35G02500U	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	1	
35G02500H	G 1 1/2 M - G 1 F	10	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
35G02500K	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> UPML AUTO 25-105 180	28AK.DN25	1	
35G02500C	G 1 1/2 M - G 1 F	10	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	1	
35G02500X	G 1 1/2 M - G 1 F	10	WITHOUT PUMP	-	1	



## 47G.DN25

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 25 - without connections for by-pass. For heating and cooling systems

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
47G02500H <b>NEW</b>	G 1 1/2 M - G 1 F	6	<b>wilo</b> Para 25-180/7-50/SC-12	30A	1	
47G02500X <b>NEW</b>	G 1 1/2 M - G 1 F	6	WITHOUT PUMP	-	1	



## M03.3

Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)

Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

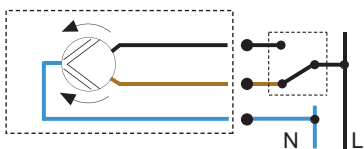
Power consumption: **4 VA**

Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101DAB	230	120	3	1,5	1	16	

### Wiring diagram M03.3, 3 poles



## M03.K

Spare part kit for M03.4, M03.3 and M03.2 actuators. Complete with knob, indicator, blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M03000000K	1	-	

## P27T3

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5–90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).

Temperature adjustment range: **5–90 °C**

Torque: **5 N·m**

Protection class: **IP 42**

Frequency: **50 Hz**

Power consumption: **5 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
P27230010T3	230	120	2	2	1	6	

## M04.K

Spare part kit for P27T2 and M04 actuators. Complete with blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M04000000K	1	-	

## 14D.10

Spare probe Pt 1000 for P27T2 actuator.

Working temperature range: **-25–150 °C**



Code	Size	Cable [m]			€
14D100010	4 mm	1	1	-	



# MO4

Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable

Torque: **5 N·m**

Feedback: **0–10 V/4–20 mA**

Protection class: **IP 42**

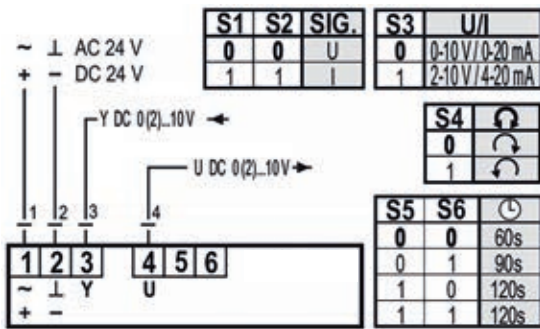
Frequency: **50 Hz**

Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M040103MAB	24	60 - 90 - 120	4	1,95	1	10	

## Wiring diagram M04 0(2)–10 V



## 15G.DN25

Distribution and anti-condensation recirculation group for solid fuel generators - reversible - DN 25 - with tailpieces and nuts - with connections for by-pass.

Anti-condensation setting: **45-55-60-70 °C**

Temperature of by-pass hot port fully closing:  $T_{mix}=T_{set}+10\text{ °C}=TR$

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Temperature gauge scale: **0-120 °C**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only



Code	Size	Kv	Pump	Pump code	°C		€
15G02501UA	G 1 F - G 1 F	9	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	45	1	
15G02501HA	G 1 F - G 1 F	9	<b>wilo</b> Para 25-180/7-50/SC-12	30A	45	1	
15G02501CA	G 1 F - G 1 F	9	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	45	1	
15G02501XA	G 1 F - G 1 F	9	WITHOUT PUMP	-	45	1	
15G02501UB	G 1 F - G 1 F	9	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	55	1	
15G02501HB	G 1 F - G 1 F	9	<b>wilo</b> Para 25-180/7-50/SC-12	30A	55	1	
15G02501CB	G 1 F - G 1 F	9	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	55	1	
15G02501XB	G 1 F - G 1 F	9	WITHOUT PUMP	-	55	1	
15G02501UC	G 1 F - G 1 F	9	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	60	1	
15G02501HC	G 1 F - G 1 F	9	<b>wilo</b> Para 25-180/7-50/SC-12	30A	60	1	
15G02501CC	G 1 F - G 1 F	9	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	60	1	
15G02501XC	G 1 F - G 1 F	9	WITHOUT PUMP	-	60	1	
15G02501UD	G 1 F - G 1 F	9	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	70	1	
15G02501HD	G 1 F - G 1 F	9	<b>wilo</b> Para 25-180/7-50/SC-12	30A	70	1	
15G02501CD	G 1 F - G 1 F	9	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	70	1	
15G02501XD	G 1 F - G 1 F	9	WITHOUT PUMP	-	70	1	

## 20G.DN25

Distribution and anti-condensation recirculation group for solid fuel generators - reversible - DN 25 - with tailpieces and nuts, actuator equipped with constant temperature regulation - temperature adjustment range 5-95 °C - with connections for by-pass.

Temperature adjustment range: **5-95 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Temperature gauge scale: **0-120 °C**

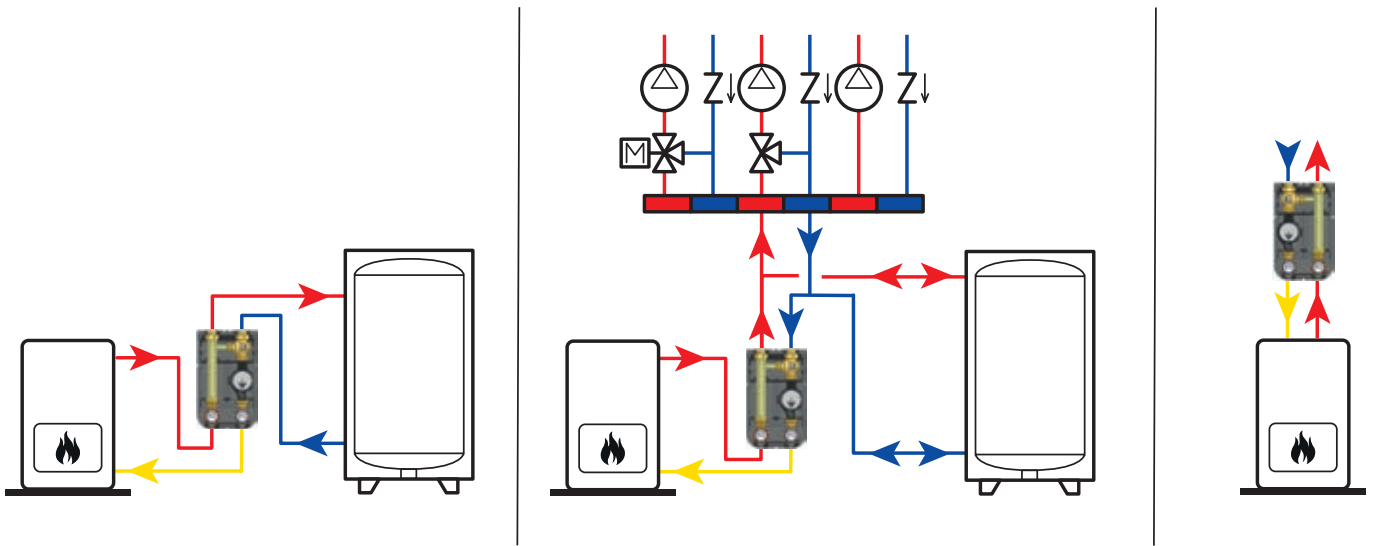
Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

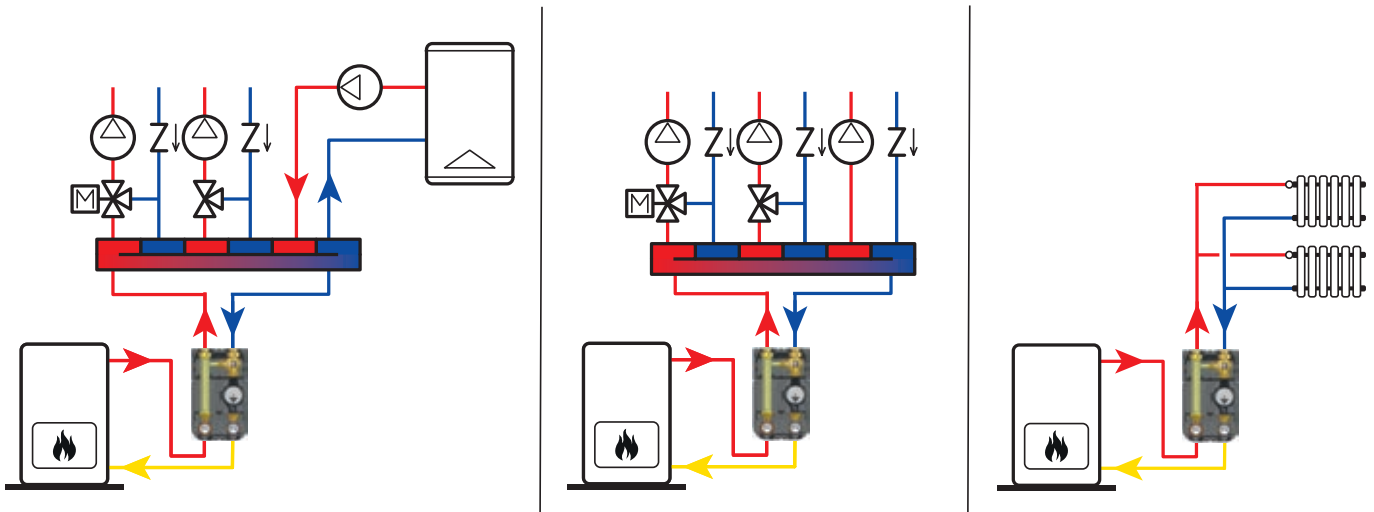


Code	Size	Kv	Pump	Pump code	°C		€
20G02507U	G 1 F - G 1 F	10	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	5-95	1	
20G02507H	G 1 F - G 1 F	10	<b>wilo</b> Para 25-180/7-50/SC-12	30A	5-95	1	
20G02507C	G 1 F - G 1 F	10	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	5-95	1	
20G02507X	G 1 F - G 1 F	10	WITHOUT PUMP	-	5-95	1	

**15G.DN25 or 20G.DN25: direct connection to buffer storage - buffer storage in parallel - installation upon the generator**



**15G.DN25 or 20G.DN25: two generator coupling - connection to system with separator/manifold - direct connection to system**



## O2C.10

Kit with heat exchanger and safety group - DN 25 - Complete with 2 female fittings (tailpieces and nuts) with flat gasket 44D.DN25

Opening overpressure: **10%**

Reseating pressure: **-20%**

Outflow coefficient: **K=0,05**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Suitable fluids: **water, glycol solutions (max 50%)**

Connection centre distance: **125 mm**



Code	Size	Setting [bar]	Plates		€
O2CM2510XI	G 1 M - G 1 M	3	34	1	
O2CM2510XL	G 1 M - G 1 M	3	28	1	
O2CM2510XM	G 1 M - G 1 M	3	18	1	

## 38G.14.DN25

Kit with heat exchanger and direct distribution group - reversible - DN 25 - with connections for by-pass (616) and safety group.

Opening overpressure: **10%**

Reseating pressure: **-20%**

Outflow coefficient: **K=0,05**

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Suitable fluids: **water, glycol solutions (max 50%)**

Connection centre distance: **125 mm**



Code	Size	Setting [bar]	Pump	Pump code	Plates		€
38G02514UI	G 1 M - G 1 F	3	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	34	1	
38G02514HI	G 1 M - G 1 F	3	<b>wilo</b> Para 25-180/7-50/SC-12	30A	34	1	
38G02514CI	G 1 M - G 1 F	3	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	34	1	
38G02514XI	G 1 M - G 1 F	3	WITHOUT PUMP	-	34	1	
38G02514UL	G 1 M - G 1 F	3	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	28	1	
38G02514HL	G 1 M - G 1 F	3	<b>wilo</b> Para 25-180/7-50/SC-12	30A	28	1	
38G02514CL	G 1 M - G 1 F	3	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	28	1	
38G02514XL	G 1 M - G 1 F	3	WITHOUT PUMP	-	28	1	
38G02514UM	G 1 M - G 1 F	3	<b>GRUNDFOS</b> UPM3 AUTO 25-70 180	20AK.DN25	18	1	
38G02514HM	G 1 M - G 1 F	3	<b>wilo</b> Para 25-180/7-50/SC-12	30A	18	1	
38G02514CM	G 1 M - G 1 F	3	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 180	05A.DN25	18	1	
38G02514XM	G 1 M - G 1 F	3	WITHOUT PUMP	-	18	1	

## O2C.HE

Spare heat exchanger for O2C.10 and 38G.14.DN25 kits. Brazed stainless steel plates.

Max working temperature: **100 °C**

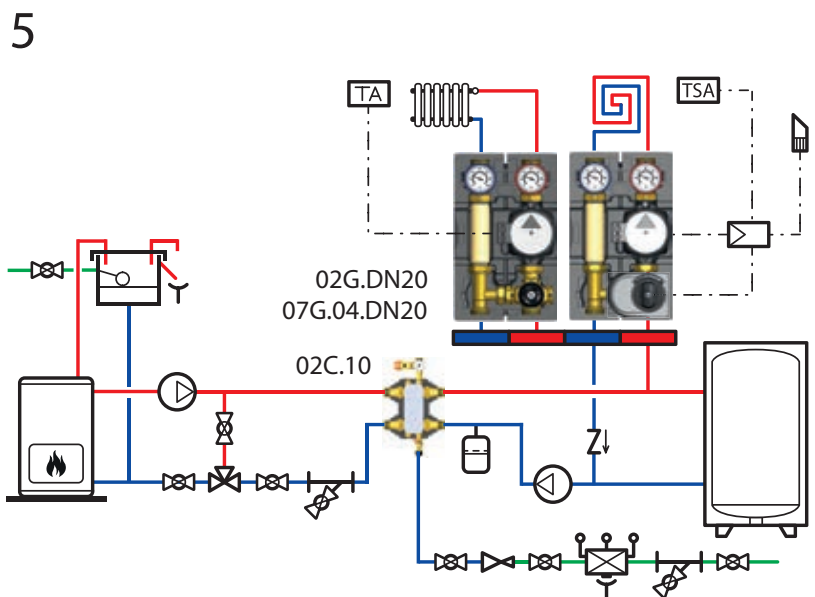
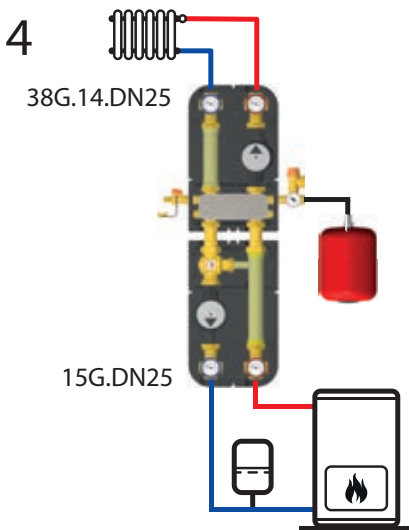
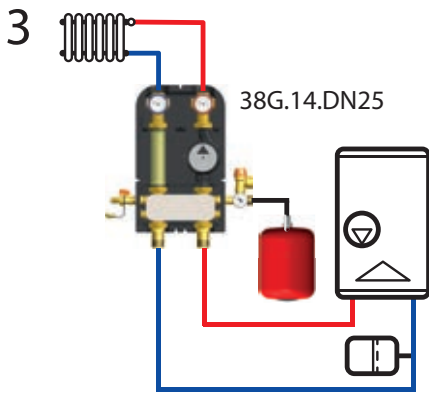
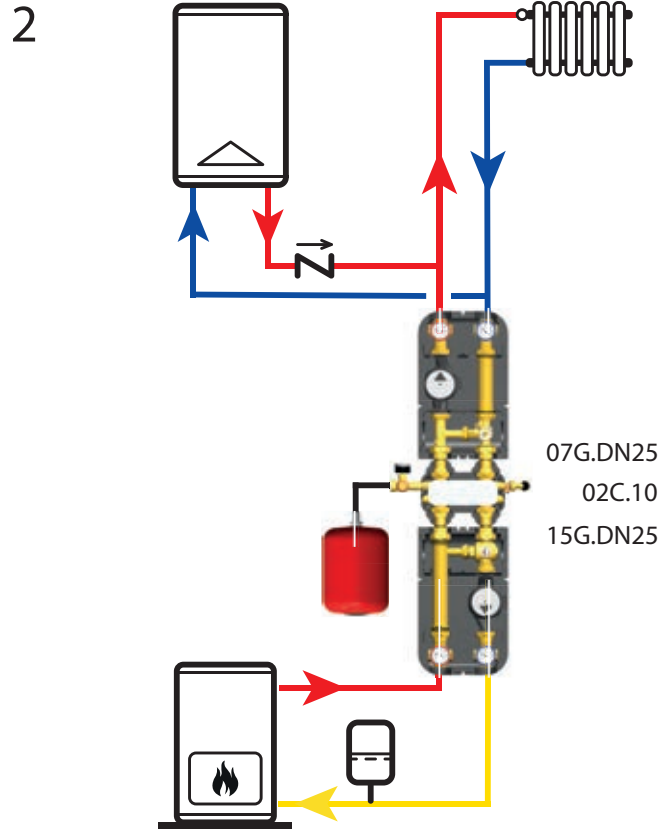
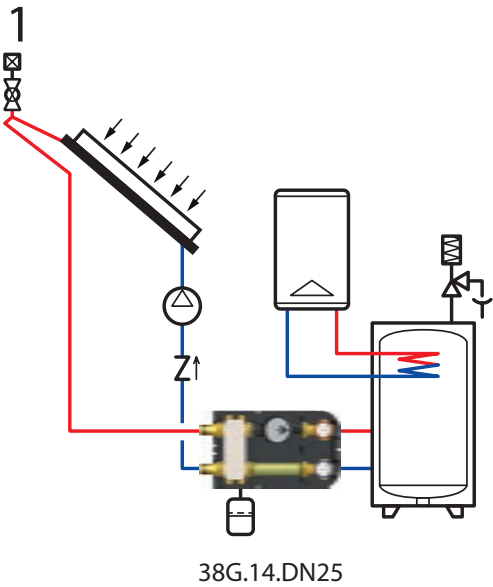
Max working pressure: **10 bar**

Suitable fluids: **water, glycol solutions (max 50%)**



Code	Size	Plates		€
O2CM2034AA1	G 3/4 M	34	1	
O2CM2028AA1	G 3/4 M	28	1	
O2CM2018AA1	G 3/4 M	18	1	

System diagrams: 1) connection of a solar system to a multi-energy buffer storage with 38G.14.DN25 - 2) coupling of two generators with 02C.10 - 3) installation of a new generator on a pre-existing system with 38G.14.DN25 - 4) direct supply to the system with 38G.14.DN25 - 5) open vessel generator connected to a closed vessel system by means of 02C.10





## 52D

Kit composed by thermostatic mixing valve, pump connection and T-joint on the return

Flow coefficient: **Kv 3,5**

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**



Code	Size	°C			€
52D0400T1	G 1 1/2 M - G 1 1/2 RN	25-50	1	8	
52D0400T2	G 1 1/2 M - G 1 1/2 RN	30-60	1	8	

## 51D

Kit composed of mixing valve with by-pass, pump connection and T-joint on the return

Connection centre distance: **125 mm**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
51D0400C0	G 1 1/2 M - G 1 1/2 RN	6	1	8	
51D0400I0	G 1 1/2 M - G 1 1/2 RN	10	1	8	

## 630.3

4-way thermostatic mixing valve with 90° inlets - pump and manifold connection - Kv 3,5 - range 30-60 °C

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30-60 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
630A200003	G 1 1/2 M - G 1 1/2 RN - G 1 M	1	6	

## 630.103

4-way thermostatic mixing valve with 90° inlets - pump and manifold connection - Kv 3,5 - range 25-50 °C

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **25-50 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
630A200103	G 1 1/2 M - G 1 1/2 RN - G 1 M	1	6	

## 41D

3-way mixing valve with by-pass fitted to be actuated - pump connection - distribution manifold connection

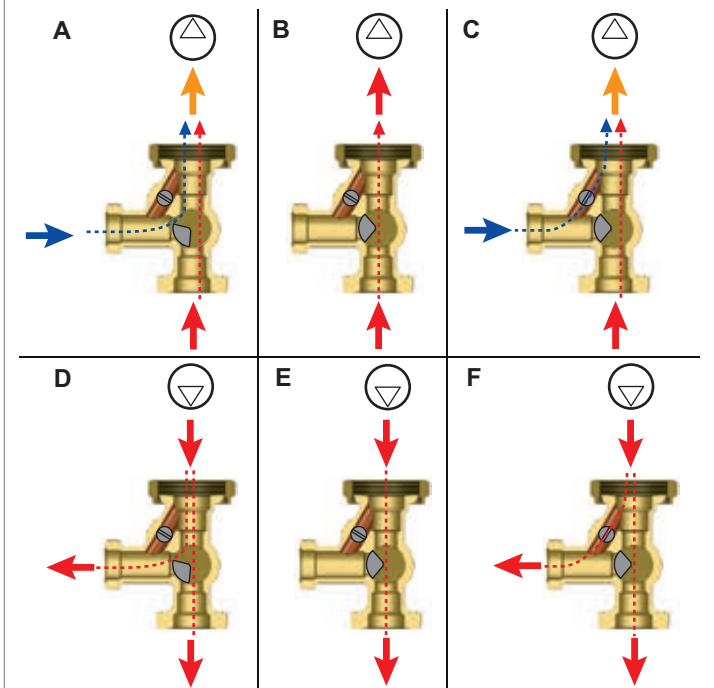
Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
41D040000C	G 1 1/2 M - G 1 M - G 1 1/2 RN	6	1	10	
41D040000I	G 1 1/2 M - G 1 M - G 1 1/2 RN	10	1	10	

### Operating principle of 41D and 51D



A- Mix with by-pass closed

B- Mix with hot port fully open and by-pass closed

C- Mix with hot port fully open and by-pass open

D- Diverting with by-pass closed

E- Diverting with straight way fully open

F- Diverting with both straight way and by-pass open

## V14.1

**woody**

Anti-condensation thermostatic mixing valve for solid fuel generators - pump connection - male connection - Kv 9

Flow coefficient: **Kv 9**

Anti-condensation setting: **45-55-60-70 °C**

Temperature of by-pass hot port fully closing: **Tmix=Tset+10 °C=TR**

Max working temperature: **100 °C**

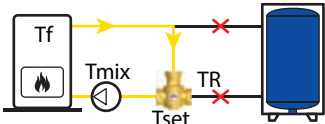
Max working pressure: **10 bar**



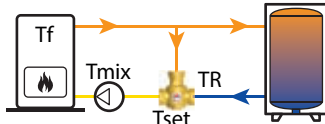
Code	Size	°C			€
V14M3200A1	G 1 1/2 M - G 1 1/2 RN - G 1 M	45	1	12	
V14M3200B1	G 1 1/2 M - G 1 1/2 RN - G 1 M	55	1	12	
V14M3200C1	G 1 1/2 M - G 1 1/2 RN - G 1 M	60	1	12	
V14M3200D1	G 1 1/2 M - G 1 1/2 RN - G 1 M	70	1	12	

### Operating principle of V13-V14 and diagrams with buffer storage and direct connection

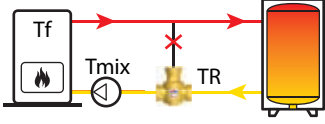
1)  $T_f \leq T_{set}$ :  $T_{mix} = T_f$



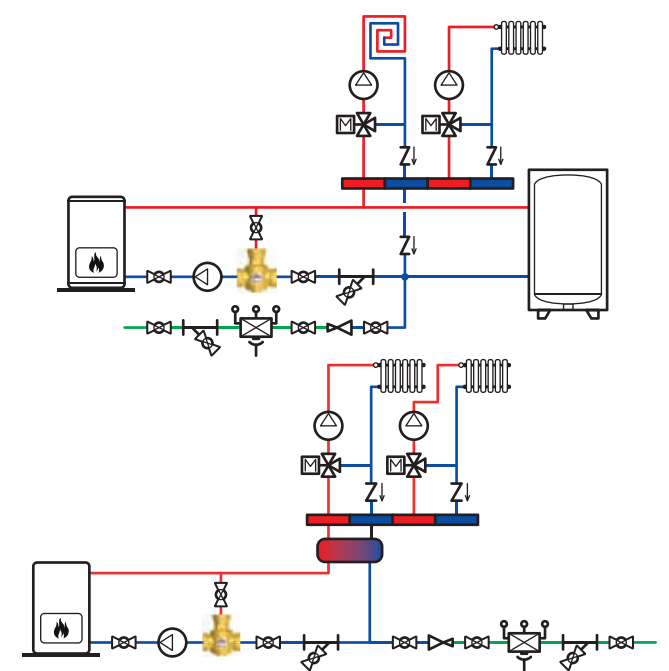
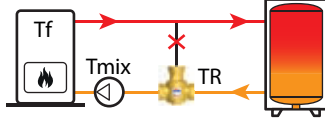
2)  $T_f > T_{set}$ ;  $TR < T_{set}$ :  $T_{mix} = T_{set}$



3)  $T_f > T_{mix} = T_{set} + 10 °C$ :  $T_{mix} = TR$



4)  $T_f > T_{mix} > T_{set} + 10 °C$ :  $T_{mix} = TR$



## 615

Differential by-pass valve with running nuts - setting range 0,2-2,5 m w.g.. Complete with flat gaskets.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection distance: **65 mm**



Code	Size			€
615015000	G 3/4 RN	1	40	

## 616

Differential by-pass valve with running nuts - setting range 2-6,5 m w.g.. Complete with flat gaskets.

Max working temperature: **90 °C**

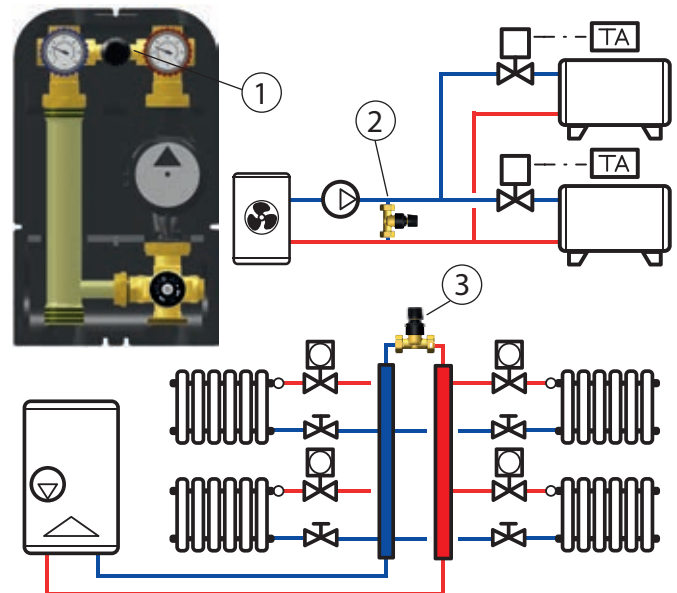
Max working pressure: **10 bar**

Connection distance: **65 mm**



Code	Size			€
616015000	G 3/4 RN	1	40	

**615: installation on the DN 25 group (1), between flow and return (2), at the manifold (3)**





## 22M.01

Hydraulic separator with thermal insulation, with inner mesh to help deaeration and dirt separation

Max working temperature: **110 °C**  
 Max working pressure: **10 bar**  
 Material: **steel**



Code	Size	m³/h		€
22M0400001 <b>TBS</b>	G1 1/2 M - G1 1/2 M - G1/2 F	4	1	

## 20M.01

Pipe connection kit between hydraulic separator 22M04000001 and manifolds P72 and V34

Max working temperature: **90 °C**  
 Max working pressure: **10 bar**



Code	Size	m³/h		€
20M04000001	G 1 1/2 RN - G 1 1/2 RN	3	1	

## 21M.01

Hydraulic separator with thermal insulation, for horizontal/vertical installation. Complete with running nuts for connection to the manifold

Max working temperature: **110 °C**  
 Max working pressure: **6 bar**  
 Material: **steel**



Code	Size	m³/h		€
21M04000001 <b>TBS</b>	G1 1/2 M - G1 1/2 RN - G1/2 F	3	1	

## P72.DN25

Dual distribution manifold with thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

Max working temperature: **110 °C**  
 Max working pressure: **4 bar**  
 Connection centre distance: **125 mm**  
 Material: **steel**



Code	Size	m³/h	Nr. of zones	€
P72040002 <b>TBS</b>	G 1 1/2 M - G 1 1/2 RN	3	2	1
P72040003	G 1 1/2 M - G 1 1/2 RN	3	3	1
P72040004	G 1 1/2 M - G 1 1/2 RN	3	4	1
P72040005	G 1 1/2 M - G 1 1/2 RN	3	5	1
P72040006	G 1 1/2 M - G 1 1/2 RN	3	6	1

## V34.DN25

"UP/DOWN" dual distribution manifold with thermal insulation - wall mounting brackets - complete with running nuts and fittings for lower distribution and regulating group connection

Max working temperature: **110 °C**  
 Max working pressure: **4 bar**  
 Connection centre distance: **125 mm**  
 Material: **steel**



Code	Size	m³/h	Nr. of zones	€
V34040003 <b>TBS</b>	G 1 1/2 M - G 1 1/2 RN	3	3	1
V34040005	G 1 1/2 M - G 1 1/2 RN	3	5	1
V34040007	G 1 1/2 M - G 1 1/2 RN	3	7	1

## P74

Distribution manifold with integrated hydraulic separator and thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

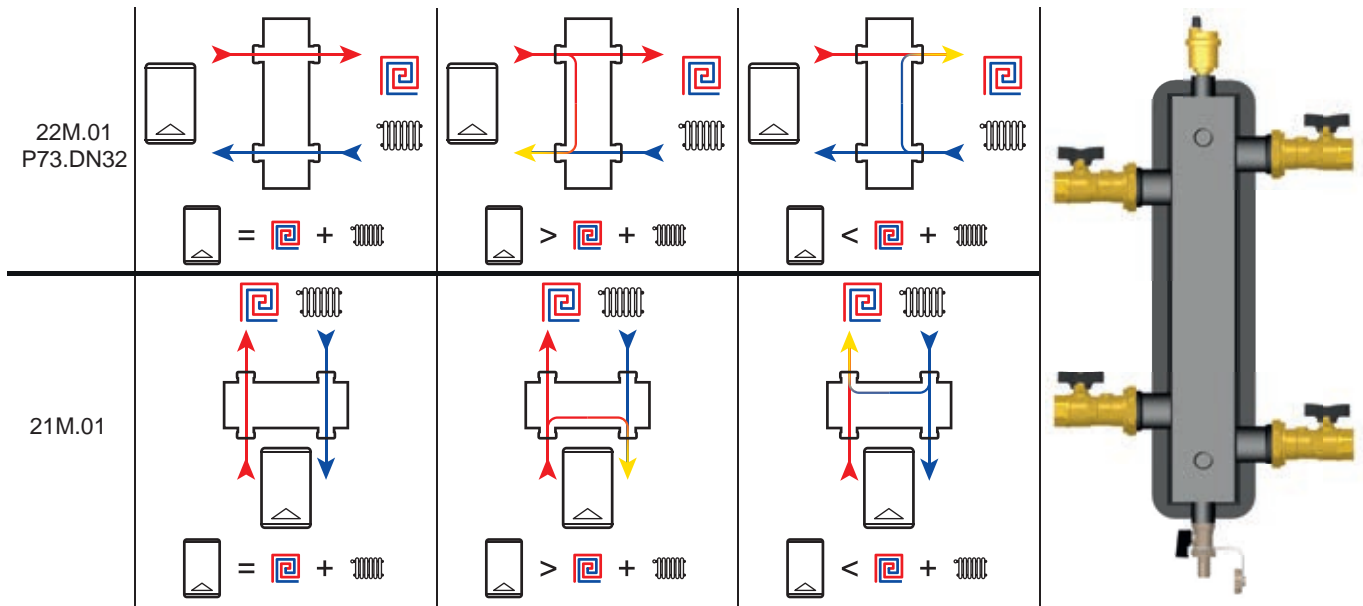
Max working temperature: **110 °C**  
 Max working pressure: **4 bar**  
 Connection centre distance: **125 mm**  
 Material: **steel**



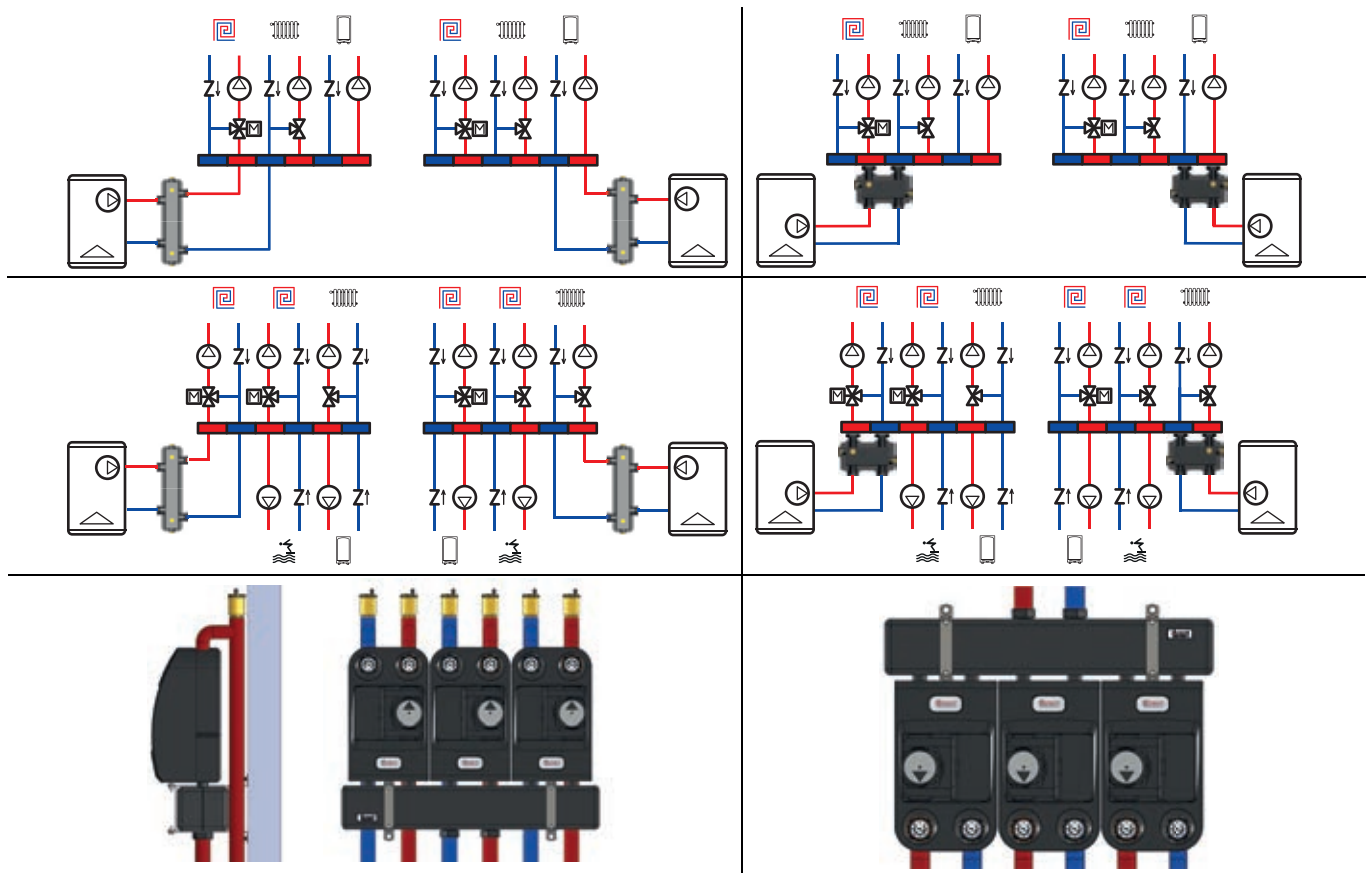
Code	Size	m³/h	Nr. of zones	€
P74040002 <b>TBS</b>	G 1 1/2 M - G 1 1/2 RN	3	2	1
P74040003	G 1 1/2 M - G 1 1/2 RN	3	3	1



**Hydraulic separator operating principle according to primary and secondary flow rate - accessories of separators**



**Versatility of V34.DN25 manifolds and hydraulic separators/Alignment of the pipes/Upside-down installation**



The collar brackets allow to align the pipes behind the groups and a easy installation of the groups in upside-down position.

## 52D025.01

2 ball shut-off valve kit with pump connection  
G 1 1/2 RN

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
52D0250001	G 1 F - G 1 1/2 RN	red	1	8	

## 52D025.02

2 ball shut-off valve kit with pump connection  
G 1 1/2 RN and check valve insert integrated  
on the ball valve on the return

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
52D0250002	G 1 F - G 1 1/2 RN	1	6	

## 52D025.03

2 ball shut-off valve kit with pump connection  
G 1 1/2 RN and differential by-pass valve with  
running nuts - setting range 0,2–2,5 m w.g..

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
52D0250003	G 1 F - G 1 1/2 RN	1	8	

## 38D.DN25

Monobloc with pump connection (ball shut-off valve + temperature gauge + 2 side connections) - temperature gauge 0–120 °C - DN 25

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D025000	G 1 1/2 RN - G 1 F	red	-	16	

## 38D.1T

Ball shut-off valve with pump connection with possibility of temperature gauge integration - DN 25 - female connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250001T	G 1 1/2 RN - G 1 F	red	-	16	

## 38D.1

Monobloc with pump connection (ball shut-off valve + temperature gauge) - temperature gauge 0–120 °C - DN 25

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250001	G 1 1/2 RN - G 1 F	red	-	16	

## 38D.2

Monobloc with pump connection (ball shut-off valve + temperature gauge + probe connection) - temperature gauge 0–120 °C - DN 25

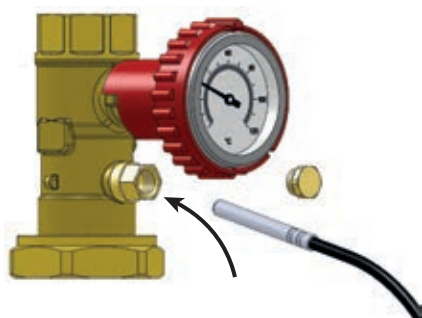
Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250002	G 1 1/2 RN - G 1 F	red	-	16	

### Immersion probe installation



## 39D

Ball shut-off valve with pump connection - male connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
39D020000R	G 1 1/2 RN - G 1 1/2 M	black	-	25	

## 37D.DN25

Monobloc with pump connection (ball shut-off valve + temperature gauge + 2 side connections + check valve + check valve override) - temperature gauge 0–120 °C - DN 25

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D025000	G 1 F - G 1 1/2 RN	blue	-	16	

## 37D.1T

Monobloc with pump connection (ball shut-off valve + check valve + check valve override) - with possibility of temperature gauge integration - DN 25

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D0250001T	G 1 F - G 1 1/2 RN	blue	-	16	

## 37D.1

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + check valve override) - temperature gauge 0–120 °C - DN 25

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D0250001	G 1 F - G 1 1/2 RN	blue	-	16	

## 440.1

Knob and screw kit for mixing valve manual setting



Code	€
4400150111	



## 40D

Extension with flat seat, connection distance 272 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D040000	G 1 1/2 M - 272 mm	-	16	

## 40D.L

L-extension with flat seat, connection distance 272 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D040000L	G 1 1/2 M - G 1 RN - 272 mm	-	16	

## 40D.2

Extension with flat seat, connection distance 180 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D0400002	G 1 1/2 M - 180 mm	-	16	

## 40D.C

Extension with flat seat for 110 and 130 mm energy metering devices, connection distance 180 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D020000	G 1 1/2 M - 180 mm	-	-	

## 036.TI

Plug G 1 1/2 F with gasket.

Max working temperature: **90 °C**  
Max working pressure: **10 bar**



Code	Size			€
036040007TI	G 1 1/2 F	2	-	

## 44D.DN25

2 female fittings (tailpieces and nuts) with flat gasket - DN 25

Max working temperature: **90 °C**  
Max working pressure: **10 bar**



Code	Size			€
44D025000	G 1 F - G 1 1/2 RN	1	50	

## V38.P

2 fittings FM with flat gaskets to adapt 130 mm centre distance pumps to 180 mm centre distance

Max working temperature: **100 °C**  
Max working pressure: **10 bar**



Code	Size			€
V3804000010	G 1 F - G 1 1/2 M	2	-	
V3804000011	G 1 1/2 F - G 1 1/2 M	2	-	

## V35

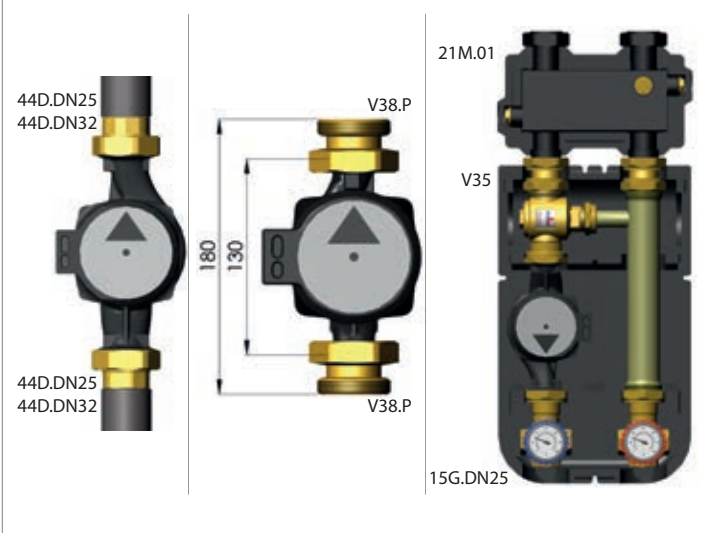
Fitting kit with G 1 1/2 RN x G 1 1/2 RN running nuts, plug and flat gasket.

Max working temperature: **90 °C**  
Max working pressure: **10 bar**



Code	Size			€
V35040000I	G 1 1/2 RN x G 1 1/2 RN	2	-	

### Use of fittings 44D.DN25 or 44D.DN32, V38.P, V35



## V38.05

Kit with Y fitting and immersion probe pocket

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Probe diameter: **6 mm**

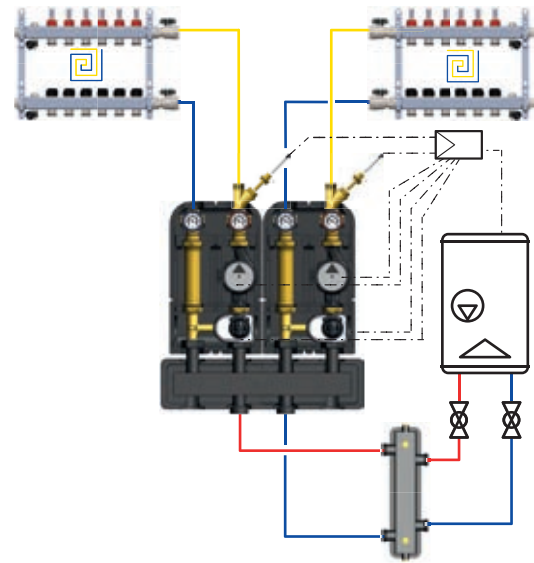


Code	Size			€
V3802000005	G 3/4 M	2	-	
V3802500005	G 1 M	2	-	

### Fitting V38.05 with pocket specific for immersion probe



### V38.05: installation on the DN 25 group



## P28.14

Immersion probe pocket - seal on fitting

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Probe diameter: **6 mm**



Code	Size			€
P2801500014	G 1/2 M	10	50	



## 53D.S.DN25

Pair of spare brackets for wall mounting of the distribution manifold P72.DN25, V34.DN25 and manifold-separator P74.

Hole centre distance: **S1 180 mm, S2 215 mm**  
Hole diameter: **10,5 mm**



Code	Size			€
53D02500S1	for P72.DN25 and V34.DN25	1	-	
53D02500S2	for P74	1	-	

## 42D.DN25

Bracket for wall mounting of the distribution and regulating groups, with screws and anchors

Hole centre distance: **90 mm**  
Hole diameter: **8 mm**



Code			€
42D025Z001	1	25	

## 43D.DN25

Distribution and regulating group insulation

Material: **EPP**



Code	Size		€
43D025000	247-410-212 mm	1	

## 11D.120

Axial temperature gauge

Scale: **0-120 °C**  
Diameter: **51 mm**  
Stem diameter: **5 mm**  
Stem total length: **50,5 mm**



Code	Size			€
11D015000120	Ø 51 mm	1	10	

## 30A

Spare pump Wilo Para with high efficiency (EEI<0,20). With 1 m cable

Max head: **7,7 m w.g.**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**  
Centre distance: **180 mm**



Code	Size	Pump	Cable [m]	€
30A040070BK	G 1 1/2 M	Para 25-180/7-50/SC-12	1	

## 20AK.DN25

Spare pump Grundfos UPM3 AUTO 25-70 180 with high efficiency (EEI<0,20). Complete with 3 pole cable.

Max head: **7 m w.g.**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**  
Centre distance: **180 mm**



Code	Size	Nr. poles	Cable [m]	€
20A040070BK	G 1 1/2 M	3	1	

## 28AK.DN25

Spare pump Grundfos UPML AUTO 25-105 180 with high efficiency (EEI<0,23). With 1 m cable and rapid connector

Max head: **10,5 m w.g.**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**  
Centre distance: **180 mm**



Code	Size	€
28A040105BK	G 1 1/2 M	

## 14D.2

3 pole cable with 90° rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar pumps



Code	Nr. poles	Cable [m]	€
14D100002	3	1	

## 14D.5

3 pole cable with 90° rapid connector for Wilo Para



Code	Nr. poles	Cable [m]	€
14D100005	3	1	

## 14D

3 pole cable with rapid connector for UPS solar and UPML auto pump



Code	Nr. poles	Cable [m]	€
14D100000P	3	1	

## 05A.DN25

Spare pump Grundfos UPSO 25-65 180 with 3 constant speeds (Extra EU)

Max head: **6,5 m w.g.**  
 Max working temperature: **100 °C**  
 Max working pressure: **10 bar**  
 Centre distance: **180 mm**



Code	Size	€
05A040065B	G 1 1/2 M	

## 43D.04

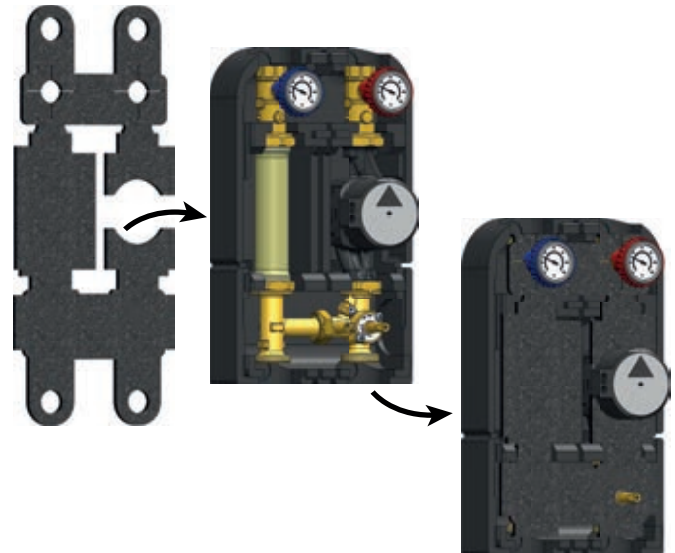
Spare insulation for heating and cooling for DN 25 distribution and regulating groups

Material: **PE-X**



Code	NEW	€
43D02500041	1	

### 41G.DN25 and 47G.DN25 for heating and cooling systems



The 41G.DN25 and 47G.DN25 groups are equipped with soft PE-X supplementary insulation (43D.04) to be placed inside the rigid insulation. In this way they can be used in both heating and cooling systems.

## 01G.DN32

Direct distribution group - reversible - DN 32 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Code	Size	Pump	Pump code		€
01G03200Y	G 2 M - G 1 1/4 F	<b>GRUNDFOS</b> UPM3 AUTO 32-70 180	24AK.DN32	1	
01G03200F	G 2 M - G 1 1/4 F	<b>GRUNDFOS</b> UPML AUTO 32-105 180	17AK.DN32	1	
01G03200T	G 2 M - G 1 1/4 F	<b>GRUNDFOS</b> (Extra EU) UPSO 32-65 180	05A.DN32	1	
01G03200X	G 2 M - G 1 1/4 F	WITHOUT PUMP	-	1	



## 07G.06.DN32

Regulating group with mixing valve fitted to be actuated - reversible - DN 32 - actuator with constant temperature regulator - temperature adjustment range 5–95 °C - without connections for by-pass

Temperature adjustment range: **5–95 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G03206Y	G 2 M - G 1 1/4 F	18	<b>GRUNDFOS</b> UPM3 AUTO 32-70 180	24AK.DN32	1	
07G03206F	G 2 M - G 1 1/4 F	18	<b>GRUNDFOS</b> UPML AUTO 32-105 180	17AK.DN32	1	
07G03206T	G 2 M - G 1 1/4 F	18	<b>GRUNDFOS</b> (Extra EU) UPSO 32-65 180	05A.DN32	1	
07G03206X	G 2 M - G 1 1/4 F	18	WITHOUT PUMP	-	1	



## 07G.DN32

Regulating group with mixing valve fitted to be actuated - reversible - DN 32 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G03200Y	G 2 M - G 1 1/4 F	18	<b>GRUNDFOS</b> UPM3 AUTO 32-70 180	24AK.DN32	1	
07G03200F	G 2 M - G 1 1/4 F	18	<b>GRUNDFOS</b> UPML AUTO 32-105 180	17AK.DN32	1	
07G03200T	G 2 M - G 1 1/4 F	18	<b>GRUNDFOS</b> (Extra EU) UPSO 32-65 180	05A.DN32	1	
07G03200X	G 2 M - G 1 1/4 F	18	WITHOUT PUMP	-	1	





## 19G.DN32

*Distribution and anti-condensation recirculation group for solid fuel generators - reversible - DN 32 - with tailpieces and nuts, actuator equipped with constant temperature regulation - temperature adjustment range 5–95 °C - without connections for by-pass.*

Temperature adjustment range: **5–95 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Temperature gauge scale: **0–120 °C**

Connection centre distance: **125 mm**

Flow coefficient Kv of the mixing valve only



Code	Size	Kv	Pump	Pump code		€
19G03207Y	G 1 1/4 F - G 1 1/4 F	18	<b>GRUNDFOS</b> UPM3 AUTO 32-70 180	24AK.DN32	1	
19G03207T	G 1 1/4 F - G 1 1/4 F	18	<b>GRUNDFOS</b> (Extra EU) UPSO 32-65 180	05A.DN32	1	
19G03207X	G 1 1/4 F - G 1 1/4 F	18	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## M03.3

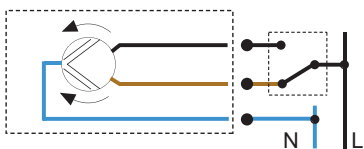
Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)



Torque: **10 N·m**  
 Protection class: **IP 44**  
 Frequency: **50 Hz**  
 Power consumption: **4 VA**  
 Aux. microswitch contact rating: **6 (1) A**

Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101DAB	230	120	3	1,5	1	16	

### Wiring diagram M03.3, 3 poles



## M03.K

Spare part kit for M03.4, M03.3 and M03.2 actuators. Complete with knob, indicator, blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M03000000K	1	-	

## P27T3

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5–90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).



Temperature adjustment range: **5–90 °C**  
 Torque: **5 N·m**  
 Protection class: **IP 42**  
 Frequency: **50 Hz**  
 Power consumption: **5 VA**

Code	V	Running time [s]	Nr. poles	Cable [m]			€
P27230010T3	230	120	2	2	1	6	

## M04.K

Spare part kit for P27T2 and M04 actuators. Complete with blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M04000000K	1	-	

## 14D.10

Spare probe Pt 1000 for P27T2 actuator.  
 Working temperature range: **-25–150 °C**



Code	Size	Cable [m]			€
14D100010	4 mm	1	1	-	

## M04

Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable

Torque: **5 N·m**

Feedback: **0-10 V/4-20 mA**

Protection class: **IP 42**

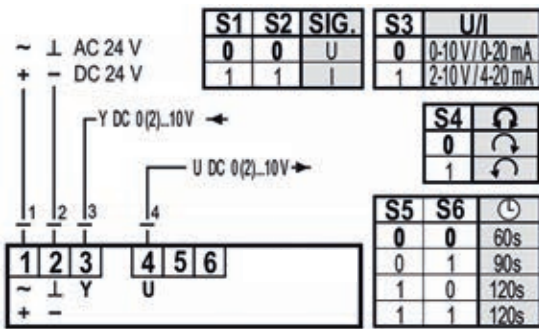
Frequency: **50 Hz**

Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M040103MAB	24	60 - 90 - 120	4	1,95	1	10	

### Wiring diagram M04 0(2)-10 V



## 51D

Kit composed of mixing valve with by-pass, pump connection and T-joint on the return

Connection centre distance: **125 mm**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
51D0500G0	G 2 M - G 2 RN	18	1	8	

## 41D

3-way mixing valve with by-pass fitted to be actuated - pump connection - distribution manifold connection

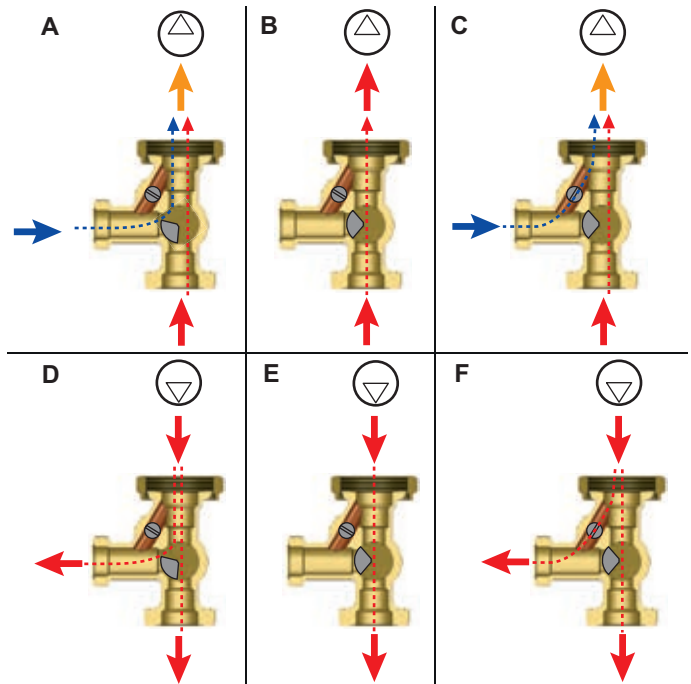
Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size	Kv			€
41D050000G	G 2 M - G 1 1/4 M - G 2 RN	18	1	10	

### Operating principle of 41D and 51D



A- Mix with by-pass closed

B- Mix with hot port fully open and by-pass closed

C- Mix with hot port fully open and by-pass open

D- Diverting with by-pass closed

E- Diverting with straight way fully open

F- Diverting with both straight way and by-pass open

## P73.DN32

Hydraulic separator with thermal insulation - wall mounting brackets.

Max working temperature: **110 °C**

Max working pressure: **4 bar**

Material: **steel**

Code	Size	m³/h		€
P73M50080	G 2 M - G 2 M - Rp 1/2	8	1	



## P72.DN32

Dual distribution manifold with thermal insulation - wall mounting brackets - complete with running nuts for distribution and regulating group connection

Max working temperature: **110 °C**

Max working pressure: **4 bar**

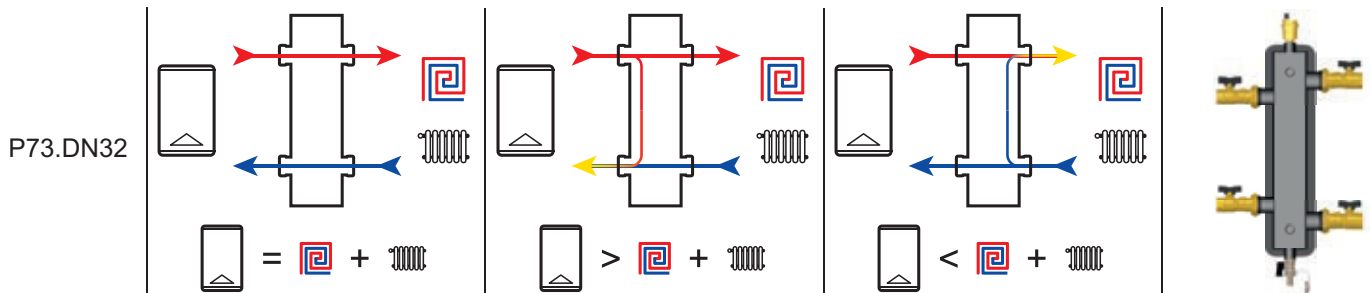
Connection centre distance: **125 mm**

Material: **steel**

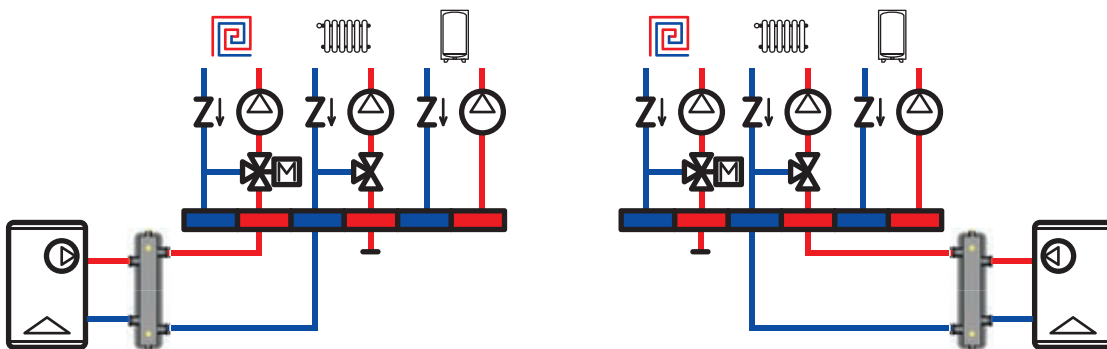
Code	Size	m³/h	Nr. of zones		€
P72050002	G 2 M - G 2 RN	6,5	2	1	
P72050003	G 2 M - G 2 RN	6,5	3	1	
P72050004	G 2 M - G 2 RN	6,5	4	1	
P72050005	G 2 M - G 2 RN	6,5	5	1	
P72050006	G 2 M - G 2 RN	6,5	6	1	



### Hydraulic separator operating principle according to primary and secondary flow rate - accessories of separators



### Versatility of P72.DN32 manifolds



## 52D032.01

2 ball shut-off valve kit with pump connection  
G 2 RN

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
52D0320001	G 1 1/4 F - G 2 RN	red	1	8	

## 52D032.02

2 ball shut-off valve kit with pump connection  
G 2 RN and check valve insert integrated on  
the ball valve on the return

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
52D0320002	G 1 1/4 F - G 2 RN	1	6	

## 38D.DN32

Monobloc with pump connection (ball shut-off  
valve + temperature gauge) - temperature  
gauge 0-120 °C - DN 32

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D032000	G 2 RN - G 1 1/4 F	red	-	16	

## 50D.M50

Ball shut-off valve with pump connection with  
possibility of temperature gauge integration -  
male connection

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
50DM50000R	G 2 RN - G 2 M	red	-	25	

## 37D.DN32

Monobloc with pump connection (ball shut-off  
valve + temperature gauge + check valve) -  
temperature gauge 0-120 °C - DN 32

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D032000	G 1 1/4 F - G 2 RN	blue	-	16	

## 44D.DN32

2 female fittings (tailpieces and nuts) with flat  
gasket - DN 32

Max working temperature: **90 °C**  
Max working pressure: **10 bar**



Code	Size			€
44D032000	G 1 1/4 F - G 2 RN	1	-	

## V36.I2

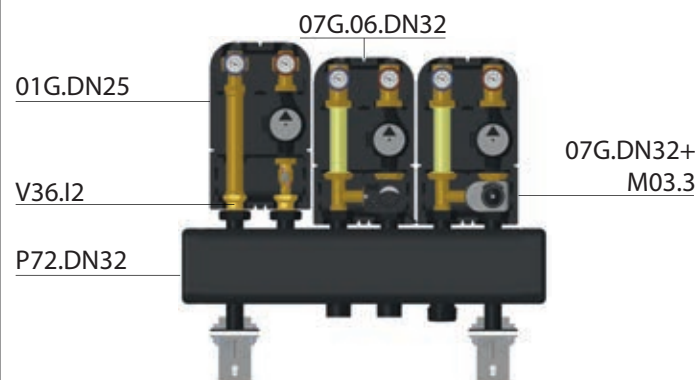
2 adapter fittings between DN 25 groups and  
DN 32 manifolds - flat gasket

Max working temperature: **110 °C**  
Max working pressure: **10 bar**



Code	Size			€
V36050000I2	G 2 M - G 1 1/2 F	2	-	

Connection of a DN 25 group to the P72.DN32 manifold by means of the  
V36.I2 fittings



## 440.I

Knob and screw kit for mixing valve manual setting



Code	€
4400150111	

## 40D.DN32

Extension with flat seat, connection distance 280 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D050000	G 2 M - 280 mm	-	-	

## 40D.2.DN32

Extension with flat seat, connection distance 180 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D050002	G 2 M - 180 mm	-	-	

## 42D.DN32

Bracket for wall mounting of the distribution and regulating groups, with screws and anchors

Hole centre distance: **90 mm**  
Hole diameter: **8 mm**



Code			€
42D032Z001	1	25	

## 11D.120

Axial temperature gauge

Scale: **0-120 °C**  
Diameter: **51 mm**  
Stem diameter: **5 mm**  
Stem total length: **50,5 mm**



Code	Size			€
11D015000120	Ø 51 mm	1	10	

## V38.05

Kit with Y fitting and immersion probe pocket

Max working temperature: **95 °C**  
Max working pressure: **16 bar**  
Probe diameter: **6 mm**



Code	Size			€
V3802000005	G 3/4 M	2	-	
V3802500005	G 1 M	2	-	

Fitting V38.05 with pocket specific for immersion probe



## P28.I4

Immersion probe pocket - seal on fitting

Max working temperature: **95 °C**  
Max working pressure: **16 bar**  
Probe diameter: **6 mm**



Code	Size			€
P28015000I4	G 1/2 M	10	50	

## 43D.DN32

Distribution and regulating group insulation

Material: **EPP**



Code	Size		€
43D032000	247-410-212 mm	1	

## 14D.2

3 pole cable with 90° rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar pumps



Code	Nr. poles	Cable [m]	€
14D100002	3	1	

## 14D

3 pole cable with rapid connector for UPS solar and UPML auto pump



Code	Nr. poles	Cable [m]	€
14D100000P	3	1	

## 24AK.DN32

Spare pump Grundfos UPM3 AUTO 32-70 180 with high efficiency (EEI<0,20). Complete with 3 pole cable.

Max head: **7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **180 mm**



Code	Size	Nr. poles	Cable [m]	€
24A050070BK	G 2 M	3	1	

## 05A.DN32

Spare pump Grundfos UPS0 32-65 180 with 3 constant speeds (Extra EU)

Max head: **6,5 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **180 mm**



Code	Size	€
05A050065B	G 2 M	

## 17AK.DN32

Spare pump Grundfos UPML AUTO 32-105 180 with high efficiency (EEI<0,23). With 1 m cable and rapid connector

Max head: **10,5 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **180 mm**



Code	Size		€
17A050105BK	G 2 M	1	



# DN 40 - DN 50 - DN 65

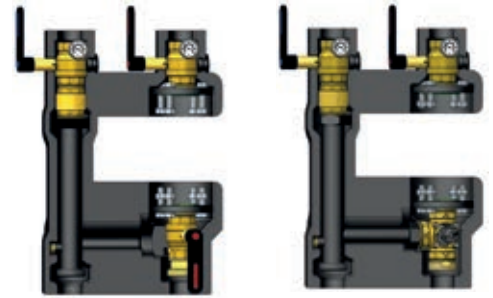


## DIRECT DISTRIBUTION GROUPS

01G.DN40  
01G.DN50  
01G.DN65

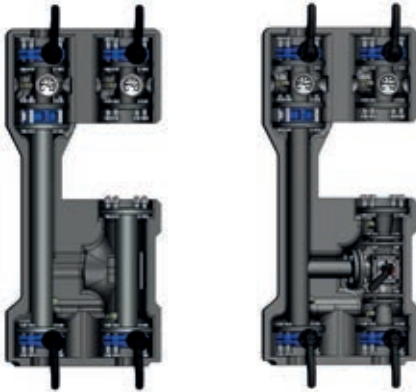
## MOTORIZED REGULATING GROUPS

07G.DN40  
07G.DN50  
07G.DN65



01G.DN50

07G.DN50



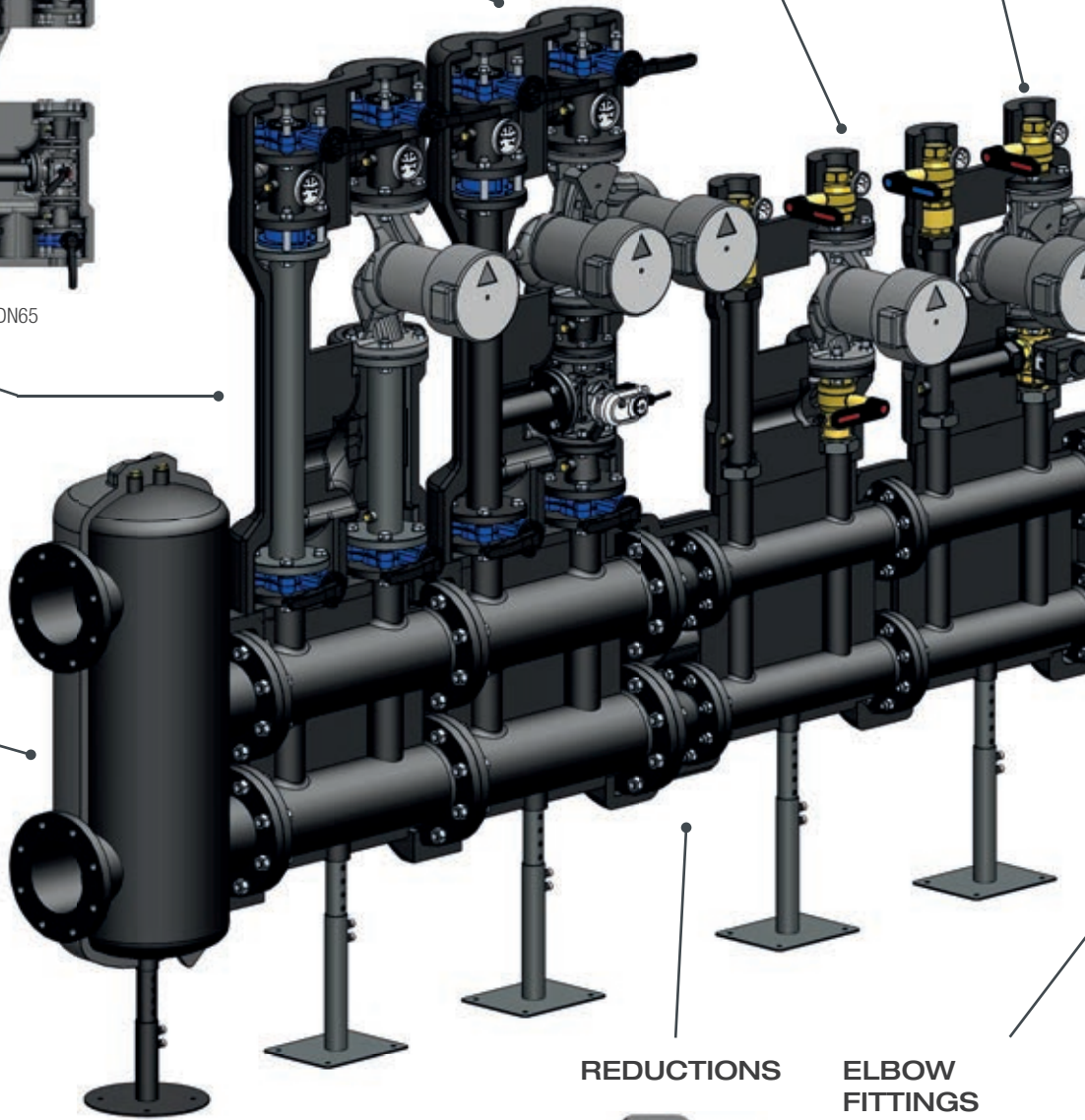
01G.DN65

07G.DN65

## HYDRAULIC SEPARATORS



33 m³/h  
74 m³/h  
F09



## REDUCTIONS

## ELBOW FITTINGS



58D.4



58D.3



Magna1 40-120 250  
Magna1 50-120 280  
Magna1 65-120 340

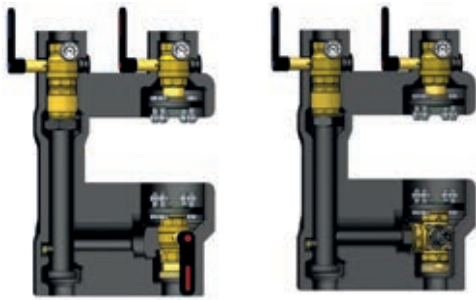


Yonos Maxo 40/0,5-12 250  
Yonos Maxo 50/0,5-12 280  
Yonos Maxo 65/0,5-12 340



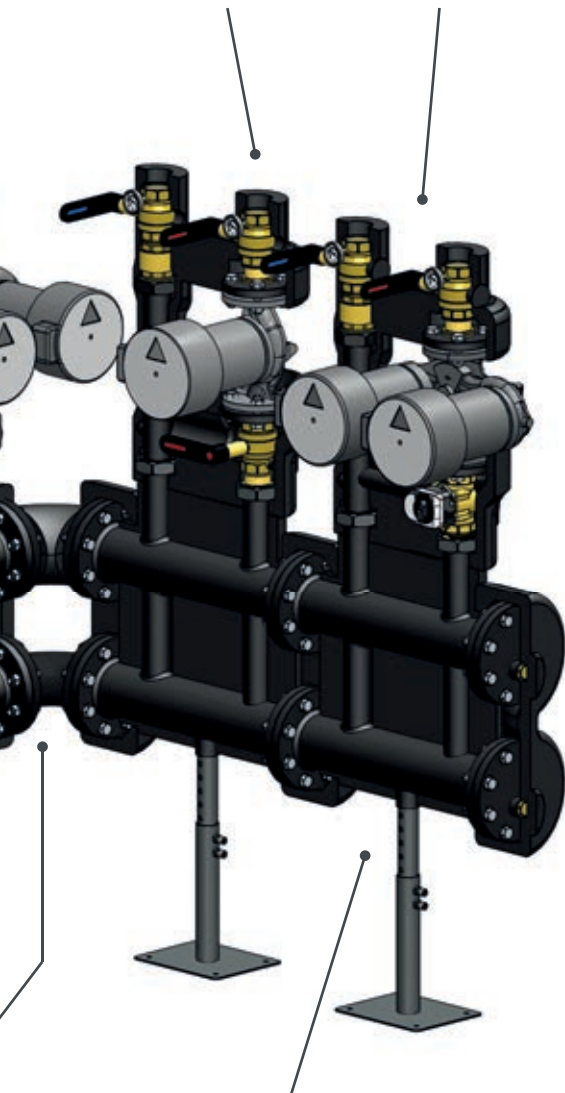
Yonos Maxo 40/0,5-12 250  
Yonos Maxo 50/0,5-12 280  
Yonos Maxo 65/0,5-12 340



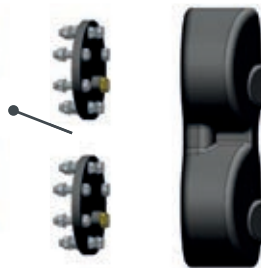


01G.DN40

07G.DN40



**PLUG**



58D.2



**MANIFOLDS**

8,5 m<sup>3</sup>/h  
F06.DN40-50  
14 m<sup>3</sup>/h  
F07.DN65

**DEAERATORS**



33 m<sup>3</sup>/h  
74 m<sup>3</sup>/h  
F08

**DIRT SEPARATORS**



33 m<sup>3</sup>/h  
74 m<sup>3</sup>/h  
F10

**ELONGATIONS FOR GROUPS DN 40-50**



40D.6

**SHUT-OFF VALVES FOR GROUPS DN 40-50**



52D050.03

**SHUT-OFF VALVES FOR PUMPS**



52D040.01  
52D050.01

**INSULATIONS FOR PUMPS**



43D.DN40  
43D.DN50  
43D.DN65

**INSULATIONS FOR PUMPS**



43D.03

**ACTUATORS**



3 points, 230 V  
M03.3



Fixed point with display, 230 V  
P2T73



3 points, 230 V  
M07.K  
3 points, 24 V  
M01.K  
0-10 V, 24 V  
M07.3QK

## 01G.DN40

Direct distribution group - reversible - DN 40 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **300 mm**

Code	Size	Pump	Pump code		€
01G04000X	G 2 1/2 M - G 2 F	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## 07G.DN40

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 40 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **300 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G04000X	G 2 1/2 M - G 2 F	26	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## 38A.DN40

Pump Grundfos Magna1 40-120 250 with high efficiency (EEI<0,21). Complete with insulation

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **250 mm**

Code	Size		€
38A040120B	DN 40 PN 6/10	1	



## 39A.DN40

Pump Wilo Yonos Maxo 40/0,5 12-250 with high efficiency (EEI<0,20)

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **250 mm**

Code	Size		€
39A040120B	DN 40 PN 6/10	1	



## 41A.DN40

Twin pump Wilo Yonos Maxo 40/0,5-12 250 with high efficiency (EEI<0,23)

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **250 mm**

Code	Size		€
41A040120BD	DN 40 PN 6/10	1	



## M03.3

Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)

Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

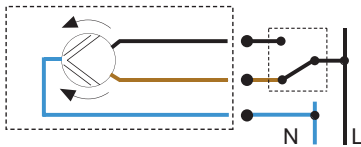
Power consumption: **4 VA**

Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101DAB	230	120	3	1,5	1	16	

### Wiring diagram M03.3, 3 poles



## M04

Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable

Torque: **5 N·m**

Feedback: **0-10 V/4-20 mA**

Protection class: **IP 42**

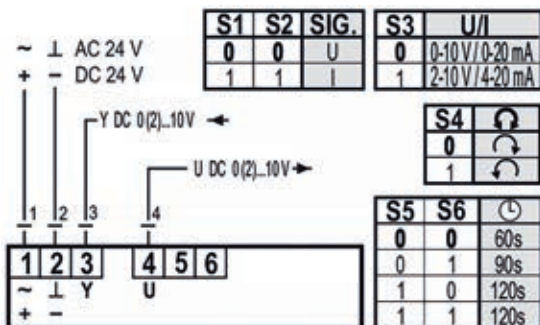
Frequency: **50 Hz**

Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M040103MAB	24	60 - 90 - 120	4	1,95	1	10	

### Wiring diagram M04 0(2)-10 V



## P27T3

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5-90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).

Temperature adjustment range: **5-90 °C**

Torque: **5 N·m**

Protection class: **IP 42**

Frequency: **50 Hz**

Power consumption: **5 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
P27230010T3	230	120	2	2	1	6	

## M03.K

Spare part kit for M03.4, M03.3 and M03.2 actuators. Complete with knob, indicator, blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M03000000K	1	-	

## M04.K

Spare part kit for P27T2 and M04 actuators. Complete with blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M04000000K	1	-	

## F09

Hydraulic separator with insulation and adjustable floor support

To be coupled to manifold **F06100001**

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Main connection centre distance: **600 mm**

Connection centre distance to secondary manifold: **300 mm**

Material: **steel**



Code	Size	m <sup>3</sup> /h		€
F09100000	DN 100 PN 16	33	1	

## F06.DN40-50

Dual modular distribution DN 100 manifold with thermal insulation, floor mounting support, complete with running nuts for DN 40 and DN 50 distribution and regulating group connection

To be coupled to DN 40 and DN 50 groups

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Connection centre distance: **125 mm**

Material: **steel**



Code	Size	m <sup>3</sup> /h	Nr. of zones		€
F06100001	DN 100 PN 16 - G 2 1/2 RN	8,5	1	1	

## F08

Deaerator with coated steel body, complete with insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Material: **steel**



Code	Size	m <sup>3</sup> /h		€
F08100000	DN 100 PN 16	33	1	

## F10

Dirt separator with coated steel body, complete with insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Material: **steel**



Code	Size	m <sup>3</sup> /h		€
F10100000	DN 100 PN 16	33	1	

## 58D.3

Connection kit for flow and return complete with 2 flanged elbow fittings, insulation, 2 gaskets and 2 bolt sets

Max working temperature: **110 °C**

Max working pressure: **6 bar**



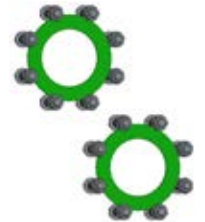
Code	Size		€
58D1000003	DN 100 PN 16	1	

## 58D.5

Kit for flanged connections composed of 2 gaskets and 16 bolts

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size		€
58D1000005	DN 100 PN 16	1	

## 58D.2

Pair of flanged caps for manifold primary connections. Complete with G 1 threaded connection, gaskets, bolts and insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

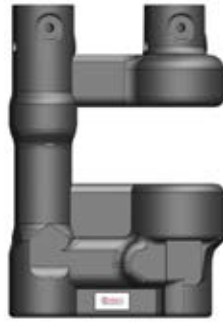


Code	Size			€
58D1000002	DN 100 PN 16	1	-	

## 43D.DN40

Insulation for DN 40 distribution and regulating groups

Material: **PE-X**



Code	€
43D040000	1

## 43D.03

Insulation for pump Wilo Yonos Maxo

Material: **EPP**



Code	Size	€
43D0400003	for 39A.DN40	1

## 52D040.01

Kit composed of 2 ball shut-off valves with DN 40 PN 10/16 flanges for pump connection. Complete with gaskets and bolts

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour	€
52D04000001	G 2 1/2 M - G 2 F	black	1

## 52D050.03

Kit composed of 2 ball shut-off valves with threaded connections for DN 40 and DN 50 motorizable regulating groups. With insulation

To be coupled to DN 40 and DN 50 motorizable groups

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour	€
52D05000003	G 2 1/2 M - G 2 1/2 RN	black	1

## 40D.6

Pair of compensating extensions for DN 40 and DN 50 direct distribution groups, connection distance 158 mm. With insulation

To be coupled to DN 40 and DN 50 direct groups

Max working temperature: **110 °C**

Max working pressure: **6 bar**



Code	Size	€
40D0500006	G 2 1/2 M - G 2 1/2 RN - 158 mm	1

## 01G.DN50

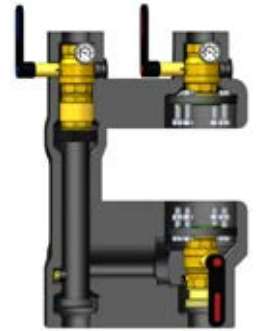
Direct distribution group - reversible - DN 50 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **300 mm**

Code	Size	Pump	Pump code		€
01G05000X	G 2 1/2 M - G 2 F	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## 07G.DN50

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 50 - without connections for by-pass

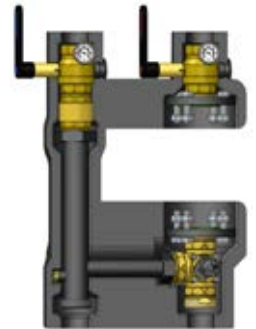
Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **300 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G05000X	G 2 1/2 M - G 2 F	40	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## 38A.DN50

Pump Grundfos Magna1 50-120 280 with high efficiency (EEI<0,21). Complete with insulation

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **280 mm**

Code	Size		€
38A050120B	DN 50 PN 6/10	1	



## 39A.DN50

Pump Wilo Yonos Maxo 50/0,5-12 280 with high efficiency (EEI<0,20)

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **280 mm**

Code	Size		€
39A050120B	DN 50 PN 6/10	1	



## 41A.DN50

Twin pump Wilo Yonos Maxo 50/0,5-12 280 with high efficiency (EEI<0,23)

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **280 mm**

Code	Size		€
41A050120BD	DN 50 PN 6/10	1	



## M03.3

Actuator for mixing valves, rotation angle 90°, 3 point regulation. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,5 m integrated cable, auxiliary microswitch (only in 6 pole version)

Torque: **10 N·m**

Protection class: **IP 44**

Frequency: **50 Hz**

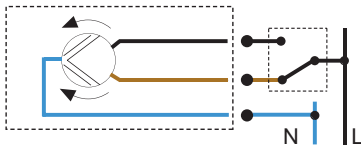
Power consumption: **4 VA**

Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M030101DAB	230	120	3	1,5	1	16	

### Wiring diagram M03.3, 3 poles



## M04

Actuator for mixing valves, rotation angle 90°, proportional regulation 0 (2)-10 V. Complete with blocking screw, valve adaptor, anti-rotation pin, 1,95 m integrated cable

Torque: **5 N·m**

Feedback: **0-10 V/4-20 mA**

Protection class: **IP 42**

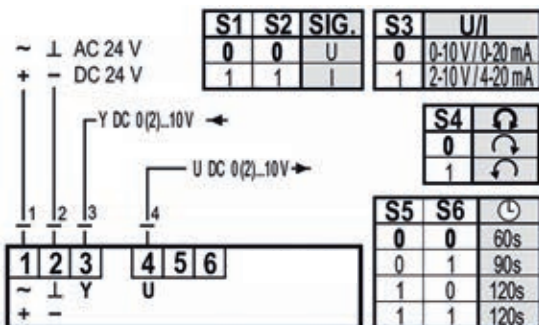
Frequency: **50 Hz**

Power consumption: **4 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M040103MAB	24	60 - 90 - 120	4	1,95	1	10	

### Wiring diagram M04 0(2)-10 V



## P27T3

Actuator for mixing valves, rotation angle 90°, for 3 point regulation with integrated probe and temperature regulator. Temperature adjustment range 5-90 °C. Complete with mixing valve adaptor, anti-rotation pin, Pt 1000 probe (0,5 m cable), contact probe holder, integrated Shuko electrical plug (2 m cable).

Temperature adjustment range: **5-90 °C**

Torque: **5 N·m**

Protection class: **IP 42**

Frequency: **50 Hz**

Power consumption: **5 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
P27230010T3	230	120	2	2	1	6	

## M03.K

Spare part kit for M03.4, M03.3 and M03.2 actuators. Complete with knob, indicator, blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M03000000K	1	-	

## M04.K

Spare part kit for P27T2 and M04 actuators. Complete with blocking screw, mixing valve adaptor, anti-rotation pin.



Code			€
M04000000K	1	-	

## F09

Hydraulic separator with insulation and adjustable floor support

To be coupled to manifold **F06100001**

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Main connection centre distance: **600 mm**

Connection centre distance to secondary manifold: **300 mm**

Material: **steel**



Code	Size	m³/h		€
F09100000	DN 100 PN 16	33	1	

## F06.DN40-50

Dual modular distribution DN 100 manifold with thermal insulation, floor mounting support, complete with running nuts for DN 40 and DN 50 distribution and regulating group connection

To be coupled to **DN 40 and DN 50 groups**

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Connection centre distance: **125 mm**

Material: **steel**



Code	Size	m³/h	Nr. of zones		€
F06100001	DN 100 PN 16 - G 2 1/2 RN	8,5	1	1	

## F08

Deaerator with coated steel body, complete with insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Material: **steel**



Code	Size	m³/h		€
F08100000	DN 100 PN 16	33	1	

## F10

Dirt separator with coated steel body, complete with insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Material: **steel**



Code	Size	m³/h		€
F10100000	DN 100 PN 16	33	1	

## 58D.3

Connection kit for flow and return complete with 2 flanged elbow fittings, insulation, 2 gaskets and 2 bolt sets

Max working temperature: **110 °C**

Max working pressure: **6 bar**

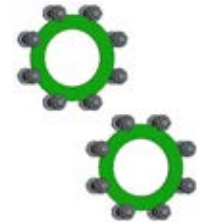


Code	Size		€
58D1000003	DN 100 PN 16	1	

## 58D.5

Kit for flanged connections composed of 2 gaskets and 16 bolts

Max working temperature: **110 °C**



Code	Size		€
58D1000005	DN 100 PN 16	1	

## 58D.2

Pair of flanged caps for manifold primary connections. Complete with G 1 threaded connection, gaskets, bolts and insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**



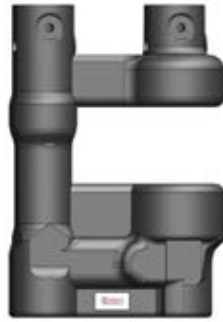
Code	Size			€
58D1000002	DN 100 PN 16	1	-	



## 43D.DN50

Insulation for DN 50 distribution and regulating groups

Material: **PE-X**



Code	€
43D050000	1

## 43D.03

Insulation for pump Wilo Yonos Maxo

Material: **EPP**



Code	Size	€
43D0500003	for 39A.DN50	1

## 52D050.01

Kit composed of 2 ball shut-off valves with DN 50 PN 16 flanges for pump connection. Complete with gaskets and bolts

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour	€
52D05000001	G 2 1/2 M - G 2 F	black	1

## 52D050.03

Kit composed of 2 ball shut-off valves with threaded connections for DN 40 and DN 50 motorizable regulating groups. With insulation

To be coupled to DN 40 and DN 50 motorizable groups

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour	€
52D05000003	G 2 1/2 M - G 2 1/2 RN	black	1

## 40D.6

Pair of compensating extensions for DN 40 and DN 50 direct distribution groups, connection distance 158 mm. With insulation

To be coupled to DN 40 and DN 50 direct groups

Max working temperature: **110 °C**

Max working pressure: **6 bar**



Code	Size	€
40D0500006	G 2 1/2 M - G 2 1/2 RN - 158 mm	1

## 01G.DN65

Direct distribution group - reversible - DN 65 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **300 mm**

Code	Size	Pump	Pump code		€
01G06500X	DN 65 PN 16	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## 07G.DN65

Regulating group with 3-way mixing valve fitted to be actuated - reversible - DN 65 - without connections for by-pass

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance: **300 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code		€
07G06500X	DN 65 PN 16	65	<input checked="" type="checkbox"/> WITHOUT PUMP	-	1	



## 38A.DN65

Pump Grundfos Magna1 65-120 340 with high efficiency (EEI<0,18). Complete with insulation

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **340 mm**

Code	Size		€
38A065120B	DN 65 PN 6/10	1	



## 39A.DN65

Pump Wilo Yonos Maxo 65/0,5-12 340 with high efficiency (EEI<0,20)

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **340 mm**

Code	Size		€
39A065120B	DN 65 PN 6/10	1	



## 41A.DN65

Twin pump Wilo Yonos Maxo 65/0,5-12 340 with high efficiency (EEI<0,23)

Max head: **12 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **340 mm**

Code	Size		€
41A065120BD	DN 65 PN 6/10	1	



## MO1.K

Actuator for flanged mixing valves, rotation angle 90°, 3 point regulation, with auxiliary microswitch and assembling kit (art. P87)

Torque: **20 N·m**

Protection class: **IP 54**

Frequency: **50 Hz**

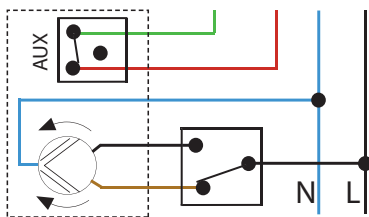
Power consumption: **4 VA**

Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M010202FAAK	24	120	5	0,9	1	12	

Wiring diagram MO1, 3 points with aux. microswitch



## MO7.K

Actuator for flanged mixing valves, rotation angle 90°, 3 point regulation, with auxiliary microswitch and assembling kit (art. P87)

Torque: **18 N·m**

Protection class: **IP 65**

Frequency: **50–60 Hz**

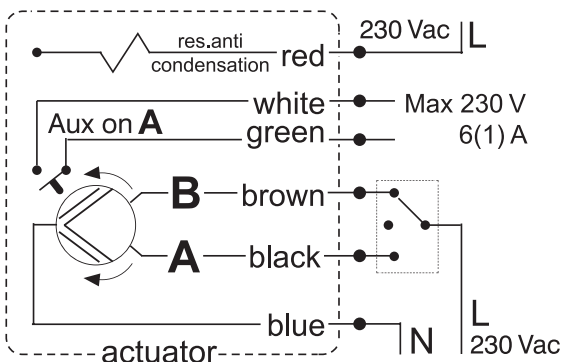
Power consumption: **4,5 VA**

Aux. microswitch contact rating: **6 (1) A**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M0701810AAK	230	120	6	0,75	1	12	

Wiring diagram MO7, 3 points with aux. microswitch



## MO7.3QK

Actuator for flanged mixing valves, rotation angle 90°, 0–10 V regulation, with assembling kit (art. P87)

Torque: **18 N·m**

Protection class: **IP 65**

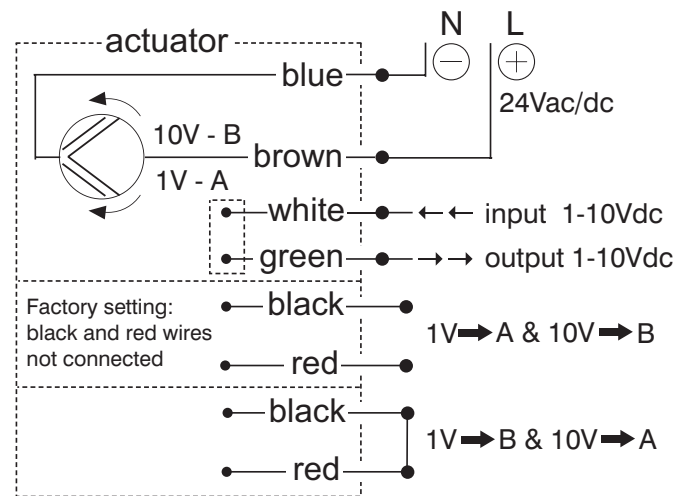
Frequency: **50–60 Hz**

Power consumption: **6 VA**



Code	V	Running time [s]	Nr. poles	Cable [m]			€
M070153QAAK	24 ac/dc	120	6	0,75	1	12	

Wiring diagram MO7 0–10 V



## P87

Assembling kit for flanged mixing valve actuator



Code			€
P8700000K	1	20	

## F09

Hydraulic separator with insulation and adjustable floor support

To be coupled to manifold F07150001

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Main connection centre distance: **600 mm**

Connection centre distance to secondary manifold: **300 mm**

Material: **steel**



Code	Size	m <sup>3</sup> /h		€
F09150000	DN 150 PN 16	74	1	

## F07.DN65

Dual modular distribution DN 150 manifold with thermal insulation, floor mounting support, for DN 65 distribution and regulating group connection

To be coupled to DN 65 groups

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Connection centre distance: **125 mm**

Material: **steel**



Code	Size	m <sup>3</sup> /h	Nr. of zones		€
F07150001	DN 150 PN 16 - DN 65 PN 16	14	1	1	

## F08

Deaerator with coated steel body, complete with insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Material: **steel**



Code	Size	m <sup>3</sup> /h		€
F08150000	DN 150 PN 16	74	1	

## F10

Dirt separator with coated steel body, complete with insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**

Material: **steel**



Code	Size	m <sup>3</sup> /h		€
F10150000	DN 150 PN 16	74	1	

## 58D.3

Connection kit for flow and return complete with 2 flanged elbow fittings, insulation, 2 gaskets and 2 bolt sets

Max working temperature: **110 °C**

Max working pressure: **6 bar**



Code	Size		€
58D1500003	DN 150 PN 16	1	

## 58D.4

Reduction kit from DN 150 to DN 100 for flow and return, with 2 coaxial flanged reductions, insulation, 2 gaskets and 2 bolt sets

Max working temperature: **110 °C**

Max working pressure: **6 bar**



Code	Size		€
58D1500004	DN 150 PN 16 - DN 100 PN 16	1	

## 58D.5

Kit for flanged connections composed of 2 gaskets and 16 bolts

Max working temperature: **110 °C**



Code	Size		€
58D1500005	DN 150 PN 16	1	

## 58D.2

Pair of flanged caps for manifold primary connections. Complete with G 1 threaded connection, gaskets, bolts and insulation

Max working temperature: **110 °C**

Max working pressure: **6 bar**



Code	Size			€
58D1500002	DN 150 PN 16	1	-	

## 43D.DN65

Insulation for DN 65 distribution and regulating groups

Material: **PE-X**



Code		€
43D065000	1	

## 43D.03

Insulation for pump Wilo Yonos Maxo

Material: **EPP**



Code	Size			€
43D0650003	for 39A.DN65	1	-	

## 27B.N

Recessed regulating group with thermostatic mixing valve 20–55 °C. The group is supplied with temperature gauge and integrated air vent. Complete with fittings for manifold connection.

Temperature adjustment range: 20–55 °C

Max working temperature: 90 °C

Max working pressure: 10 bar

Connection centre distance to secondary manifold: 200–211 mm

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code			€
27B040N4P3	G 1 M	3,5	<b>wilo</b> Para 25-130/7-50/SC-12	29A.040	-	1	
27B040N4T3	G 1 M	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 130	31AK	-	1	
27B040N4M3	G 1 M	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 130	01A.40	-	1	
27B040N4X3	G 1 M	3,5	WITHOUT PUMP	-	1	5	



## 99B

Safety thermostat kit for distribution and regulating recessed groups 27B.N-29B.N-30B.N-17B.N-17B.1.N. Normally closed with 55 °C setting, pre-wired box.

Code			€
99B0040052	1	-	



## 99B.07

Safety thermostat kit for distribution and regulating recessed groups 27B.N-29B.N-30B.N-17B.N-17B.1.N. Normally closed with 55 °C setting.

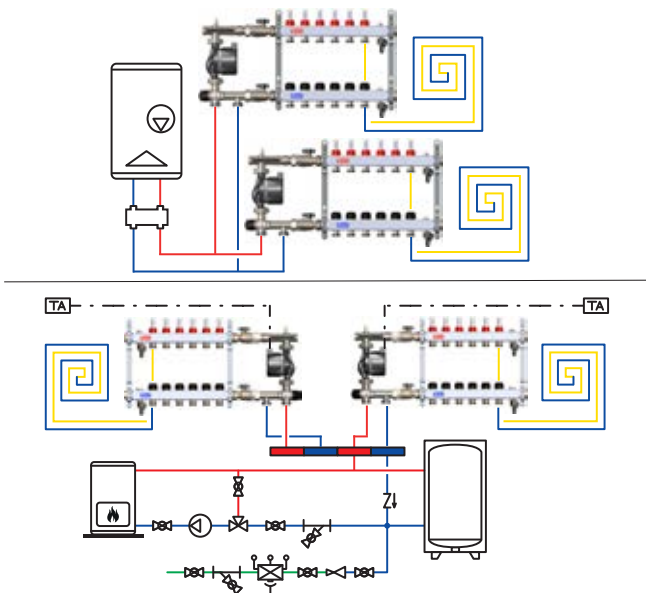
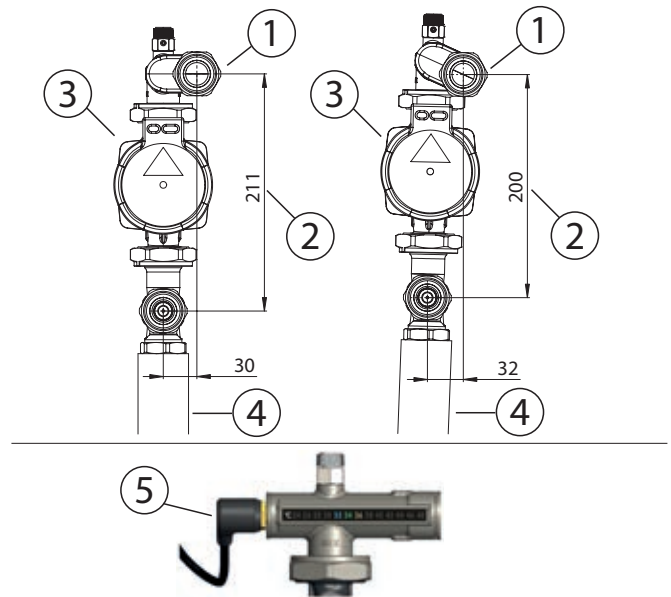
Code			€
99B004007	1	-	



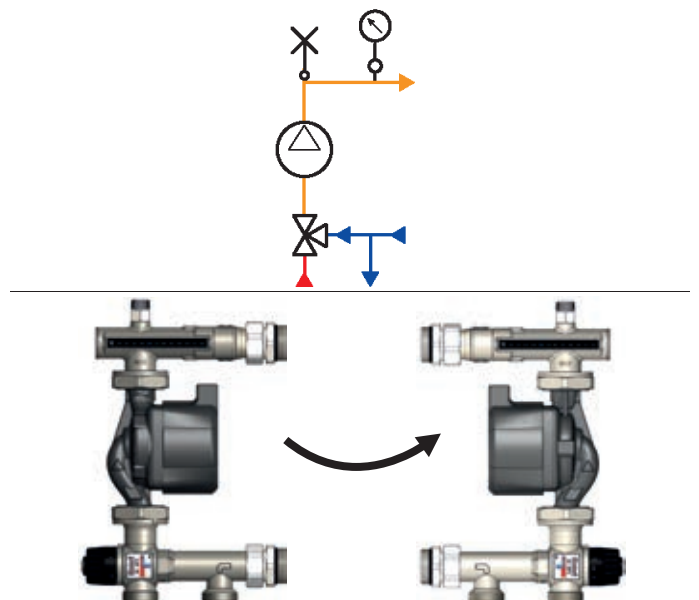
**Group 27B.N**


Characteristics of the 27B.N group:

- 1) Offset fitting on the flow pipe
- 2) Kv of the mixing valve 3,5
- 3) Adjustment range 20-55 °C
- 4) M4 threaded connection for the installation of protection and control devices

**27B.N group: with gas boiler and hydraulic separator/with solid fuel generator and buffer storage in parallel**

**27B.N: offset fitting, adjustable centre distance/Connection of the 99B safety thermostat**


The offset fitting (1) allows the connection of the group to manifolds with 200-211 mm centre distance (2), the installation of the group in vertical position (3) to make easier the connection with the primary pipes arriving from the bottom (4). The M4 threaded connection allows the installation of protection and control devices such as the 99B series optional safety thermostat kit (5).

**27B.N: hydraulic diagram/Immediate reversibility**


The hydraulic diagram shows the flow directions/The group can be immediately reversed from right to left to exchange the manifold position.



# 30B.N

Direct distribution recessed group. The group is supplied with temperature gauge and integrated air vent. Complete with fittings for manifold connection. Version without pump on request.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance to secondary manifold: **200–211 mm**



Code	Size	Pump	Pump code			€
30B040NDP3	G 1 M	<b>wilo</b> Para 25-130/7-50/SC-12	29A.040	-	1	
30B040NDT3	G 1 M	<b>GRUNDFOS</b> UPM3 AUTO 25-70 130	31AK	-	1	
30B040NDM3	G 1 M	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 130	01A.40	-	1	
30B040NDX3	G 1 M	WITHOUT PUMP	-	1	5	

# 99B

Safety thermostat kit for distribution and regulating recessed groups 27B.N-29B.N-30B.N-17B.N-17B.1.N. Normally closed with 55 °C setting, pre-wired box.

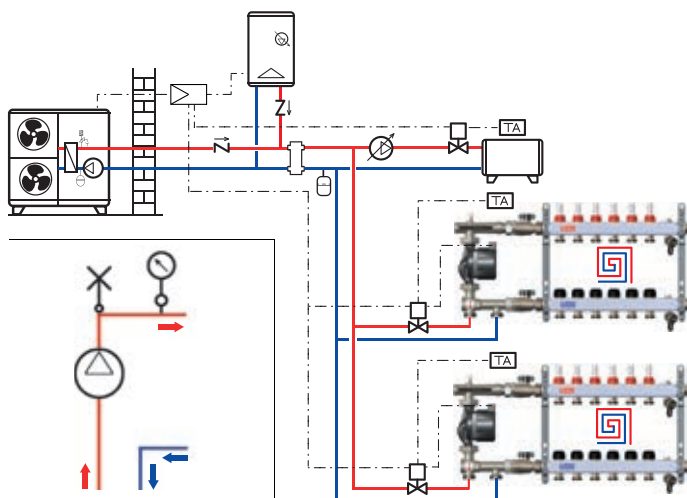


Code

99B0040052

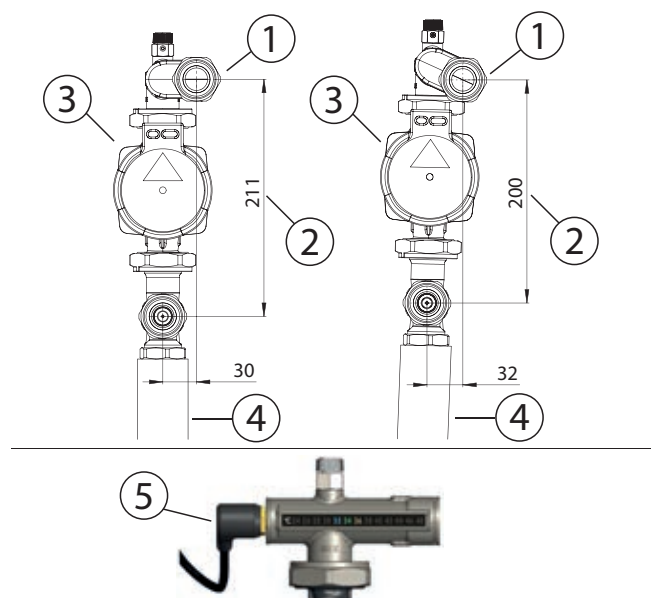
		€
1	-	

Group 30B.N with heat pump for heating-cooling combined with a boiler/  
Hydraulic diagram



The 30B.N group supplies water to the terminals in a direct way, without performing any thermal regulation. Therefore it can be coupled to generators with integrated temperature regulation (heat pumps, boilers etc.).

30B.N: offset fitting, adjustable centre distance/Connection of the 99B safety thermostat



The offset fitting (1) allows the connection of the group to manifolds with 200-211 mm centre distance (2), the installation of the group in vertical position (3) to make easier the connection with the primary pipes arriving from the bottom (4). The M4 threaded connection allows the installation of protection and control devices such as the 99B series optional safety thermostat kit (5).



## 29B.N

Recessed regulating group with thermostatic mixing valve 30–60 °C. Fitted to install a primary and a secondary manifold aligned. The group is supplied with temperature gauge and integrated air vent. Version without pump on request.

Temperature adjustment range: 30–60 °C

Max working temperature: 90 °C

Max working pressure: 10 bar

Main connection centre distance: 211 mm

Connection centre distance to secondary manifold: 211 mm

Flow coefficient Kv of the mixing valve only



Code	Size	Kv	Pump	Pump code			€
29B040N3P1	G 1 M	3,5	wilo Para 25-130/7-50/SC-12	29A.040	-	1	
29B040N3T1	G 1 M	3,5	GRUNDFOS UPM3 AUTO 25-70 130	31AK	-	1	
29B040N3M1	G 1 M	3,5	GRUNDFOS (Extra EU) UPSO 25-65 130	01A.40	-	1	
29B040N3X1	G 1 M	3,5	WITHOUT PUMP	-	1	6	

## 99B

Safety thermostat kit for distribution and regulating recessed groups 27B.N-29B.N-30B.N-17B.N-17B.1.N. Normally closed with 55 °C setting, pre-wired box.

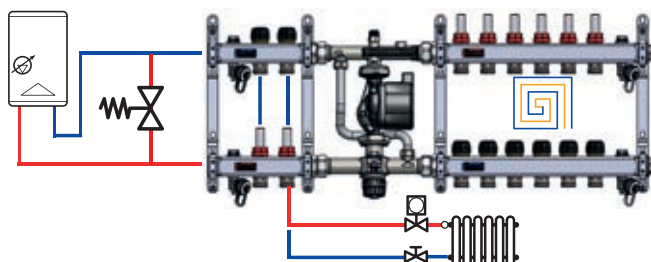


Code

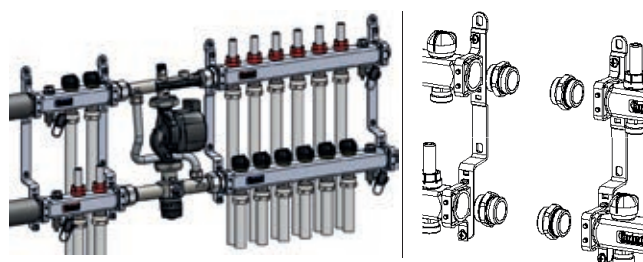
99B0040052

		€
1	-	

### 29B.N: diagram with radiators and radiant panel system

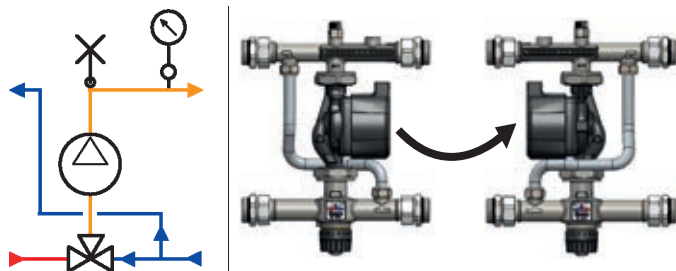


### 29B.N: manifold alignment/Fast fittings for manifolds



The 29B.N group allows the easy installation also of a primary distribution manifold for high temperature. The 211 mm centre distance both for the primary (radiators) and secondary (radiant panels) manifold makes possible to align the manifold thus obtaining a tidy installation.

### 29B.N: hydraulic diagram/Immediate reversibility



The hydraulic diagram shows the flow directions/The group can be immediately reversed from right to left to exchange the position of the primary with the secondary manifold.

### Connection of the 99B safety thermostat



The M4 threaded connection allows the installation of protection and control devices such as the 99B series optional safety thermostat kit.



## 28B.N

Compact UFH regulating group, for single room, with thermostatic mixing valve 30–65 °C. The group is supplied with control thermostat and wall mounting bracket.

Temperature adjustment range: 30–65 °C

Max working temperature: 90 °C

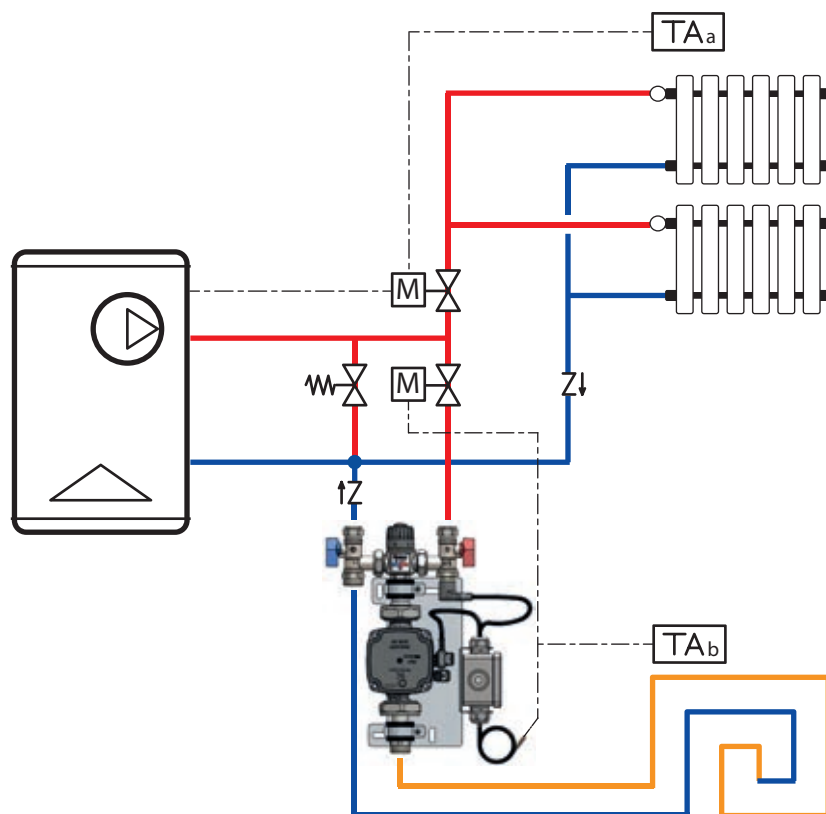
Max working pressure: 10 bar

Flow coefficient Kv of the mixing valve only



Code	Size	Kv	Pump	Pump code	€
28B040N2T	15 mm - G 3/4 EK	2,3	GRUNDFOS UPM3 AUTO 25-70 130	31AK	1

28B.N: use as compact thermostatic group for system extension (single room)



## 99B.03

Spare kit for 28B.N group with normally open control thermostat with 42 °C setting, pre-wired box to supply the pump.

Code	Cable for pump	€
99B0040030	Grundfos UPM3	1



## 17B.N-17B.1.N

Recessed regulating group with thermostatic mixing valve. The group is supplied with temperature gauge in a single bag and integrated air vent. Complete with fittings for manifold connection and elbow fitting for primary circuit connection. Yellow versions on request.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance to secondary manifold: **211 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C			€
17B040NOP	Rp 3/4 - G 1 M	3,5	<b>wilo</b> Para 25-130/7-50/SC-12	29A.040	30-60	-	1	
17B040NOT	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 130	31AK	30-60	-	1	
17B040N00	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 130	01A.40	30-60	-	1	
17B040NOX	Rp 3/4 - G 1 M	3,5	WITHOUT PUMP	-	30-60	1	5	
17B040N1P	Rp 3/4 - G 1 M	3,5	<b>wilo</b> Para 25-130/7-50/SC-12	29A.040	25-50	-	1	
17B040N1T	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 130	31AK	25-50	-	1	
17B040N10	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 130	01A.40	25-50	-	1	
17B040N1X	Rp 3/4 - G 1 M	3,5	WITHOUT PUMP	-	25-50	1	5	



## 18B.N-18B.1.N

Recessed regulating group with thermostatic mixing valve and differential by-pass (setting 2-6,5 m w.g.). The group is supplied with temperature gauge in a single bag and integrated air vent. Complete with fittings for manifold connection and elbow fitting for primary circuit connection. Yellow versions on request.

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Connection centre distance to secondary manifold: **211 mm**

Flow coefficient Kv of the mixing valve only

Code	Size	Kv	Pump	Pump code	°C			€
18B040NOP	Rp 3/4 - G 1 M	3,5	<b>wilo</b> Para 25-130/7-50/SC-12	29A.040	30-60	-	1	
18B040NOT	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 130	31AK	30-60	-	1	
18B040N00	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 130	01A.40	30-60	-	1	
18B040NOX	Rp 3/4 - G 1 M	3,5	WITHOUT PUMP	-	30-60	1	5	
18B040N1P	Rp 3/4 - G 1 M	3,5	<b>wilo</b> Para 25-130/7-50/SC-12	29A.040	25-50	-	1	
18B040N1T	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> UPM3 AUTO 25-70 130	31AK	25-50	-	1	
18B040N10	Rp 3/4 - G 1 M	3,5	<b>GRUNDFOS</b> (Extra EU) UPSO 25-65 130	01A.40	25-50	-	1	
18B040N1X	Rp 3/4 - G 1 M	3,5	WITHOUT PUMP	-	25-50	1	5	



## 07B.N

Differential by-pass kit - setting 2-6,5 m w.g.. Yellow versions on request.

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Connection centre distance to group: **211 mm**

Code	Size		€
07B015N00	15 mm - G 3/4 M - Rp 3/4	15	



## 08M

Stainless steel flow+return distribution manifold, preassembled. Manual air vent and drain cock. Main connection G 1 F. Flow manifold complete with flow rate regulators and flow meters, scale 0–5 l/min. Flow meters can be cleaned. Return manifold fitted for thermo-electric actuators. G 3/4 M eurocone outlets. Mounting brackets

Max working temperature: **70 °C**  
 Max working pressure: **6 bar**  
 Main connection centre distance: **211 mm**  
 Outlet centre distance: **50 mm**  
 Thermo-electric actuator: **M30x1,5 mm**



Code	Size	Nr. of zones	€
08M025N02	G 1 F - G 3/4 M	2	1
08M025N03	G 1 F - G 3/4 M	3	1
08M025N04	G 1 F - G 3/4 M	4	1
08M025N05	G 1 F - G 3/4 M	5	1
08M025N06	G 1 F - G 3/4 M	6	1
08M025N07	G 1 F - G 3/4 M	7	1
08M025N08	G 1 F - G 3/4 M	8	1
08M025N09	G 1 F - G 3/4 M	9	1
08M025N10	G 1 F - G 3/4 M	10	1
08M025N11	G 1 F - G 3/4 M	11	1
08M025N12	G 1 F - G 3/4 M	12	1

## 16M

Stainless steel flow+return distribution manifold, preassembled. Ball shut-off valves. Manual air vent and drain cock. Main connection G 1 F. Flow manifold complete with flow rate regulators and flow meters, scale 0–5 l/min. Flow meters can be cleaned. Return manifold fitted for thermo-electric actuators. G 3/4 M eurocone outlets. Mounting brackets

Max working temperature: **70 °C**  
 Max working pressure: **6 bar**  
 Main connection centre distance: **211 mm**  
 Outlet centre distance: **50 mm**  
 Thermo-electric actuator: **M30x1,5 mm**



Code	Size	Nr. of zones	€
16M025N02	G 1 F - G 3/4 M	2	1
16M025N03	G 1 F - G 3/4 M	3	1
16M025N04	<b>TBS</b> G 1 F - G 3/4 M	4	1
16M025N05	<b>TBS</b> G 1 F - G 3/4 M	5	1
16M025N06	<b>TBS</b> G 1 F - G 3/4 M	6	1
16M025N07	<b>TBS</b> G 1 F - G 3/4 M	7	1
16M025N08	<b>TBS</b> G 1 F - G 3/4 M	8	1
16M025N09	<b>TBS</b> G 1 F - G 3/4 M	9	1
16M025N10	<b>TBS</b> G 1 F - G 3/4 M	10	1
16M025N11	<b>TBS</b> G 1 F - G 3/4 M	11	1
16M025N12	<b>TBS</b> G 1 F - G 3/4 M	12	1

## 07M

Stainless steel flow distribution manifold. Manual air vent and drain cock. Main connection G 1 F. Complete with flow rate regulators and flow meters, scale 0–5 l/min. Flow meters can be cleaned. G 3/4 M eurocone outlets

Max working temperature: **70 °C**  
 Max working pressure: **6 bar**  
 Outlet centre distance: **50 mm**



Code	Size	Nr. of zones	€
07M025N02	G 1 F - G 3/4 M	2	1
07M025N03	G 1 F - G 3/4 M	3	1
07M025N04	G 1 F - G 3/4 M	4	1
07M025N05	G 1 F - G 3/4 M	5	1
07M025N06	G 1 F - G 3/4 M	6	1
07M025N07	G 1 F - G 3/4 M	7	1
07M025N08	G 1 F - G 3/4 M	8	1
07M025N09	G 1 F - G 3/4 M	9	1
07M025N10	G 1 F - G 3/4 M	10	1
07M025N11	G 1 F - G 3/4 M	11	1
07M025N12	G 1 F - G 3/4 M	12	1

## 06M

Stainless steel return distribution manifold. Manual air vent and drain cock. Main connection G 1 F. Fitted for thermo-electric actuators - G 3/4 M eurocone outlets

Max working temperature: **70 °C**  
 Max working pressure: **6 bar**  
 Outlet centre distance: **50 mm**  
 Thermo-electric actuator: **M30x1,5 mm**



Code	Size	Nr. of zones	€
06M025N02	G 1 F - G 3/4 M	2	1
06M025N03	G 1 F - G 3/4 M	3	1
06M025N04	G 1 F - G 3/4 M	4	1
06M025N05	G 1 F - G 3/4 M	5	1
06M025N06	G 1 F - G 3/4 M	6	1
06M025N07	G 1 F - G 3/4 M	7	1
06M025N08	G 1 F - G 3/4 M	8	1
06M025N09	G 1 F - G 3/4 M	9	1
06M025N10	G 1 F - G 3/4 M	10	1
06M025N11	G 1 F - G 3/4 M	11	1
06M025N12	G 1 F - G 3/4 M	12	1

# C9W



Isorallo - Compression fitting for PE-X and multilayer pipes. With pipe anti-torsion mechanism. Other sizes available on request.

Max working temperature: **90 °C**

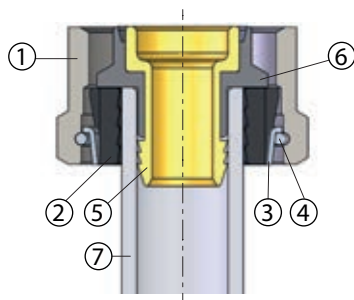
Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9WE14N09	G 3/4 F	Nickel	14x2	10	100	
C9WE16N06	G 3/4 F	Nickel	16x1,5	10	100	
C9WE16N09	G 3/4 F	Nickel	16x2	10	100	
C9WE16N08	G 3/4 F	Nickel	16x2,25	10	100	
C9WE17N09	G 3/4 F	Nickel	17x2	10	100	
C9WE18N09	G 3/4 F	Nickel	18x2	10	100	
C9WE20N09	G 3/4 F	Nickel	20x2	10	100	
C9WE20N08	G 3/4 F	Nickel	20x2,25	10	100	
C9WE20N07	G 3/4 F	Nickel	20x2,5	10	100	



## Fitting C9W

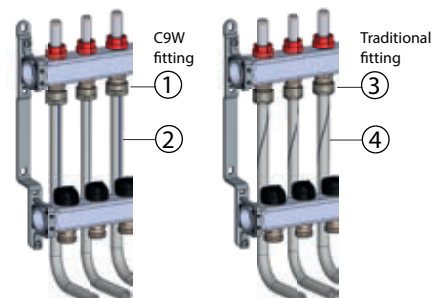


Isorallo is the compression fitting for PE-X and multilayer pipe, one product only for two types of pipes, equipped with ANTI TORSION MECHANISM. This technical solution adopts a mechanism similar to ball bearings, which prevents pipes from twisting when screwing the fitting with the wrench. This makes the fitting particularly suitable for connecting the pipes to the manifold in box. The installation is therefore easier, faster and can be performed using one hand only. The gasket shape allows the hydraulic seal on both the inner surface and the top of the pipe as well as the separation between the brass of the fitting and the aluminum of the pipe, thus avoiding corrosion by galvanic currents. The brass reinforcing insert prevents the pipe from deforming towards the inside, in the area where the clenching ring clamps the pipe. Advantages and characteristics:

- Composed of two parts only: nut and reinforcing insert
- NBR gasket coupled to the reinforcing insert
- Pipe anti-torsion ring.
- Components:

- 1) Nickel plated nut
- 2) Nylon clenching ring
- 3) Stainless steel clenching ring
- 4) Stainless steel anti-torsion elastic ring
- 5) Brass reinforcing insert
- 6) NBR gasket
- 7) PE-X or multilayer pipe

## Comparison between C9W fitting, with anti-torsion mechanism, and traditional fitting



Left: C9W fitting prevents pipe twisting when screwing with the wrench. This allows a faster installation, manifolds remain stable on the brackets and mechanical stress on the connections is prevented.

Right: pipe twisting is visible from the spiral longitudinal line. Installation is slower as well as greater mechanical stress is generated on pipes and connections.

- 1) C9W fitting with anti-torsion
- 2) Straight pipe
- 3) Traditional fitting
- 4) Twisted pipe

## M20.C

Thermo-electric actuator with open position indicator, adaptor and rapid connection. Normally closed. Auxiliary microswitch (only in 4 pole version), IP 54, 1 m cable.



Protection class: **IP 54**

Frequency: **50–60 Hz**

Inrush current: **max 550 mA**

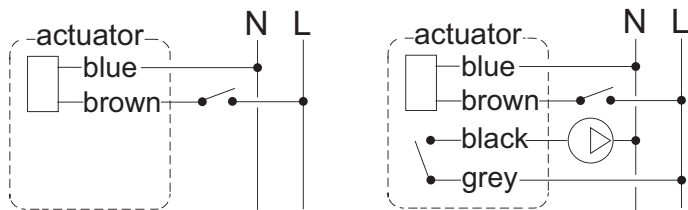
Power consumption: **1 W**

Aux. microswitch contact rating: **5 (1) A**

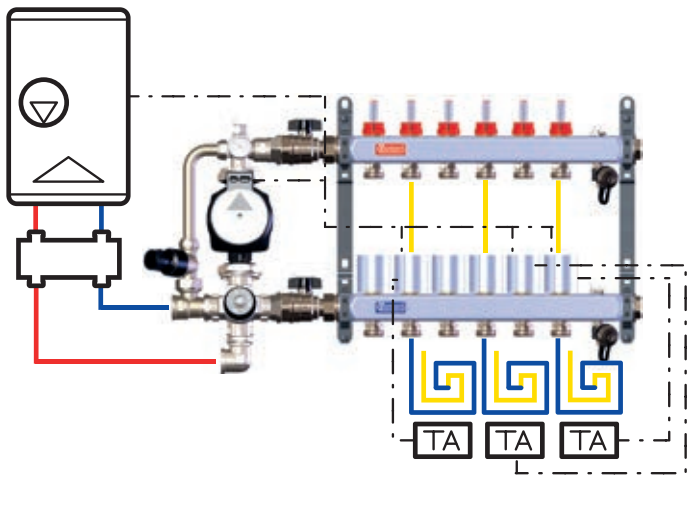
Ambient temperature: **0–60 °C**

Code	Size	V	Nr. poles	Cable [m]			€
M20011A0C	M30x1,5	230	2	1	1	25	
M20011B0C	M30x1,5	230	4	1	1	20	

### Wiring diagram M20.C, 2 poles and 4 poles (aux. microswitch)



**18B.N group with 16M manifolds equipped with M20.C thermo-electric actuators.**



## V38.14

Pair of spare mounting brackets for stainless steel manifolds

Material: **zinc plated steel**



Code			€
V3802500014	1	-	

## 630.1.2.N

4-way thermostatic mixing valve with 90° inlets - pump connection - Kv 3,5 - range 30–60 °C - flat gasket - nickel plated

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **30–60 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
630A20N001	Rp 3/4 - G 1 1/2 RN	1	10	

## 630.101.N

4-way thermostatic mixing valve with 90° inlets - pump connection - Kv 3,5 - range 25–50 °C - flat gasket - nickel plated

Flow coefficient: **Kv 3,5**

Temperature adjustment range: **25–50 °C**

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
630A20N101	Rp 3/4 - G 1 1/2 RN	1	10	

## 05B

Manual air vent with PTFE seal - nickel plated

Max working temperature: **95 °C**

Max working pressure: **6 bar**

Fully open length: **32 mm**

Fully closed length: **29 mm**



Code	Size			€
05B008N03	G 1/4 M	10	200	

## P83

Manual air vent with adjustable drain position - nickel plated

Max working temperature: **95 °C**

Max working pressure: **6 bar**



Code	Size			€
P83015N00	G 1/2 M	2	-	

## P90.1

Kit with ball shut-off valve with running nut and flat gasket and fitting for distribution manifolds

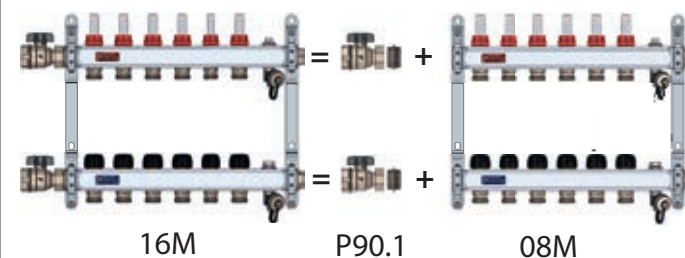
Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
P90025N001	G 1 F - G 1 M	2	24	

**P90.1: combined with 08M manifold it forms the 16M manifold**



## P91.0

Pair of ball shut-off valves. Red and blue handle, with female and union connections.

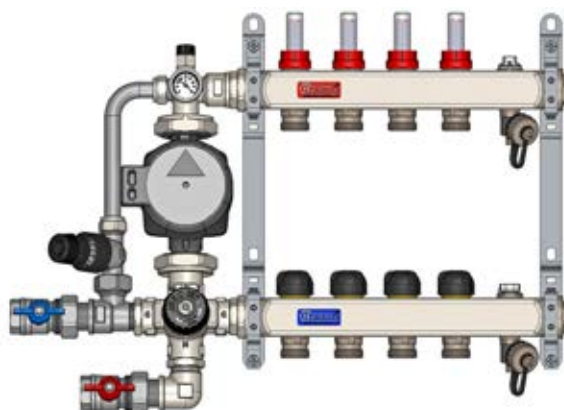
Working temperature range: **-20–120 °C**

Max working pressure: **30 bar**



Code	Size	Knob colour			€
P91020N01011	G 3/4 F - G 3/4 M	red/blu	10	20	

**P91.0: use as primary shut-off valves for 17B.N and 18B.N groups**





## 05BI

Axial temperature gauge with O-Ring

Scale: **0-80 °C**  
 Diameter: **32 mm**  
 Stem diameter: **5 mm**  
 Stem total length: **11 mm**  
 O-Ring: **EPDM**



Code			€
05B015004I	1	10	

## 16B.N

MM running fitting with integrated O-Ring - nickel plated

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
16B025N001	G 3/4 M - G 1 M	25	100	

## P30

Spare flow meter for flow manifold. Scale 0-5 l/min. For stainless steel 08M, 16M, 07M manifolds.

Max working temperature: **70 °C**  
 Max working pressure: **6 bar**



Code	Size			€
P30015N001I	G 1/2 M	1	-	

## P29

Spare shut-off headwork for return manifold. Fitted for thermo-electric actuator. For stainless steel 08M, 16M, 06M manifolds.

Max working temperature: **70 °C**  
 Max working pressure: **6 bar**  
 Thermo-electric actuator: **M30x1,5 mm**



Code	Size			€
P290150001I	G 1/2 M	1	-	

## 617.1.N

Differential by-pass valve with compression end and running nut - setting 2-6,5 m w.g. - nickel plated. Complete with flat gaskets

Max working temperature: **90 °C**  
 Max working pressure: **10 bar**  
 Connection distance: **55 mm**



Code	Size			€
617015N001	G 3/4 RN - 15 mm	1	40	

## Y47.N

Automatic air vent (compact version) - nickel plated

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
Y47015N00	G 1/2 M	10	100	



## 31AK

Spare pump Grundfos UPM3 AUTO 25-70 130 with high efficiency (EEI<0,20). Complete with 3 pole cable.

Max head: **7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**



Code	Size	Nr. poles	Cable [m]	€
31A040070BK	G 1 1/2 M	3	1	

## 14D.2

3 pole cable with 90° rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar pumps



Code	Nr. poles	Cable [m]	€
14D100002	3	1	

## 29A.40

Spare pump Wilo Para with high efficiency (EEI<0,20). With 1 m cable

Max head: **7,7 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**



Code	Size	Pump	Cable [m]	€
29A040070BK	G 1 1/2 M	Para 25-130/7-50/SC-12	1	

## 14D.5

3 pole cable with 90° rapid connector for Wilo Para



Code	Nr. poles	Cable [m]	€
14D100005	3	1	

## 01A.40

Spare pump Grundfos UPSO 25-65 130 with 3 constant speeds (Extra EU)

Max head: **6,5 m w.g.**

Max working temperature: **100 °C**

Max working pressure: **10 bar**

Centre distance: **130 mm**



Code	Size	€
01A040065B	G 1 1/2 M	

# 04C

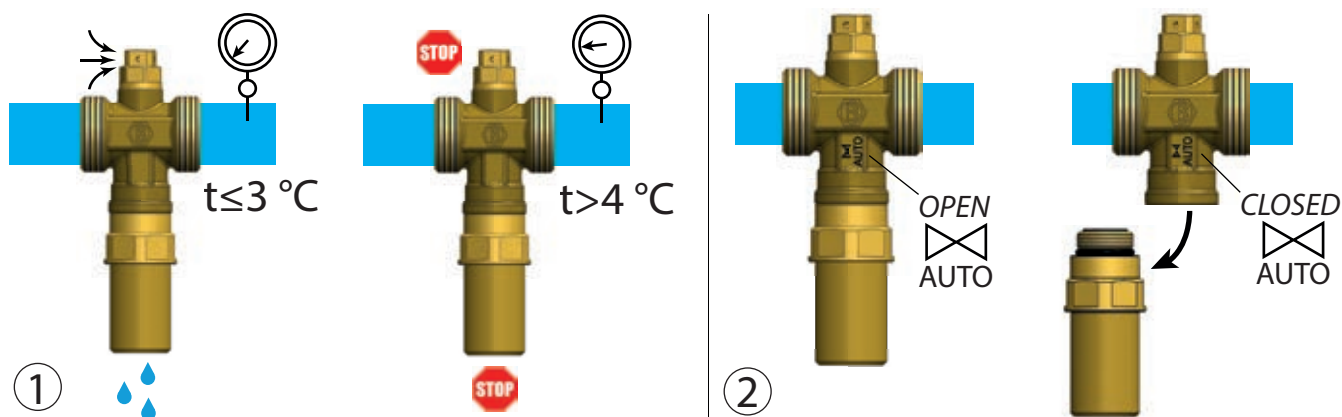
Thermostatic anti-freeze valve with brass body. With integrated automatic shut-off valve for thermostatic cartridge replacement.

- Opening temperature: 3 °C
- Closing temperature: 4 °C
- Working temperature range: 0–90 °C
- Ambient temperature: -30–60 °C
- Max working pressure: 10 bar



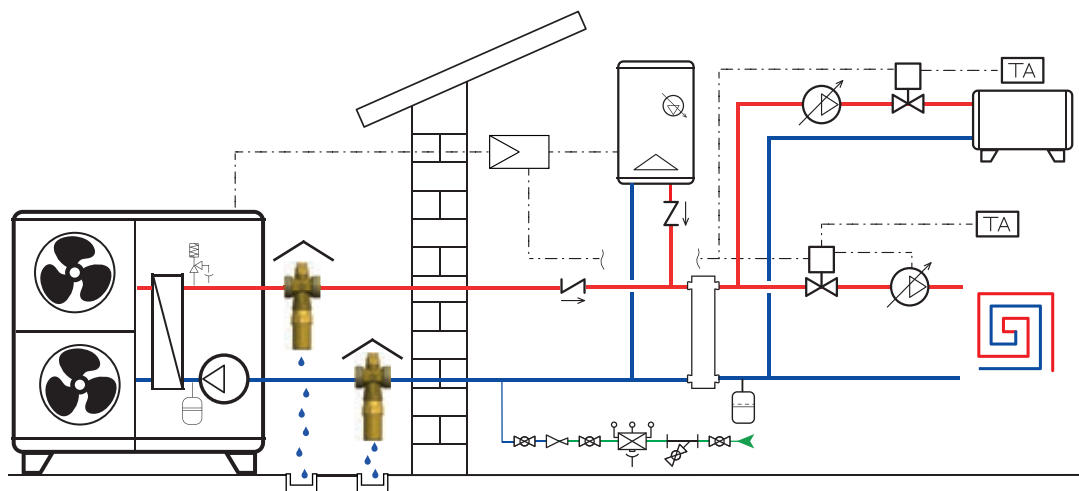
Code	Size	Kv	DN			€
04C025000	G 1 M	55	25	1	20	
04C032000	G 1 1/4 M	70	32	1	20	
04C040000	G 1 1/2 M	72	40	1	20	

## 04C: opening and closing temperature



- (1) The anti-freeze valve detects the temperature of the system thermal fluid by means of the thermostatic sensor contained in the body and opens the lower discharge port when the fluid temperature drops to the setting value of 3 °C. The slight discharge flow rate prevents the pipes external to the building from freezing, avoiding damages to the system devices or pipes themselves. It is used in heating and cooling systems, typically with heat pumps.
- (2) Integrated automatic shut-off valve. The valve remains in the open position when the sensor holder cartridge is correctly screwed to the body. When the cartridge is removed (for maintenance or replacement), the shut-off valve automatically closes the discharge, avoiding emptying the system.

## 04C: installation with heat pump



## 04C.3

Cartridge with spare sensor for thermostatic anti-freeze valve.

Opening temperature: **3 °C**

Closing temperature: **4 °C**

Working temperature range: **0–90 °C**

Ambient temperature: **-30–60 °C**

Max working pressure: **10 bar**



Code			€
04C003000	1	-	

## P39

Standard safety relief valve for heating systems

Opening overpressure: **10%**

Reseating pressure: **-20%**

Outflow coefficient: **K=0,05**

Max working temperature: **160 °C**

Max working pressure: **10 bar**

Suitable fluids: **water, glycol solutions (max**

**50%)**

2014/68/EU PED



Code	Size	Setting [bar]			€
P390150003	G 1/2 F - G 3/4 F	3	10	40	
P390150006	G 1/2 F - G 3/4 F	6	10	40	

## 69C

Automatic filling unit, inspectable. Complete with cock, filter, check valve. Code 69C0150001 complete with pressure gauge.

Downstream setting pressure: **0,5–4 bar**

Factory setting: **1,5 bar**

Max upstream pressure: **16 bar**

Max working temperature: **80 °C**

Max working pressure: **10 bar**

Pressure gauge scale: **0–6 bar**



Code	Size			€
69C015000	G 1/2 M - G 1/2 F	1	-	
69C0150001	G 1/2 M - G 1/2 F	1	-	

## 55D

Radial pressure gauge

Pressure gauge scale: **0–6 bar**

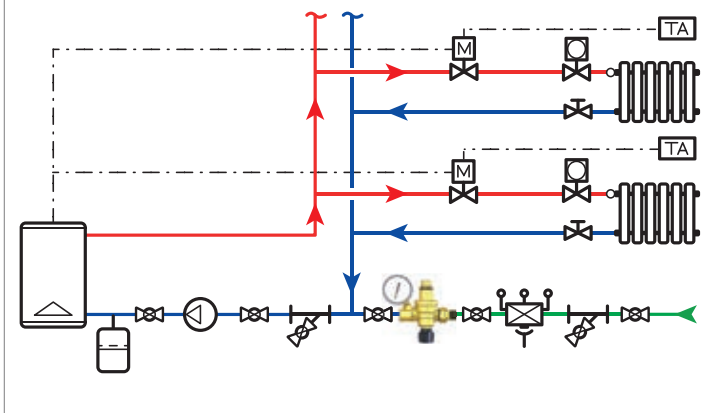
Diameter: **64 mm**

Stem total length: **20 mm**



Code	Size			€
55D008000	G 1/4 M	-	-	

### 69C: filling of a closed heating circuit





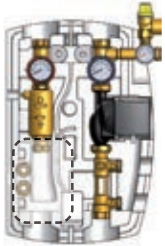


COMPONENTS  
FOR SOLAR  
THERMAL SYSTEMS

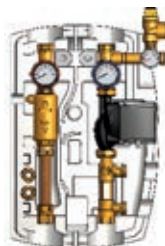
**B04**



### FLOW AND RETURN GROUPS: VERSIONS



Without copper pipe  
07S



Complete with copper pipe  
01S



### AVAILABLE CONTROLLERS



Without controller



SOREL  
09S-28S



SEITRON  
12S-27S

### CIRCULATORS



Grundfos UPM3 Solar 15-75  
with high efficiency



Grundfos Solar 15-65 (Extra EU)  
Grundfos Solar 15-70 (Extra EU)



GPA 20-7,5 III 130  
with high efficiency

### FLOW RATE REGULATORS WITH FLOW METER



0,5–15 l/min  
3–35 l/min

### ACCESSORIES



12D



15D



18D



30D

### CONNECTION TYPES



G 3/4 M



G 3/4 F

### RETURN ONLY GROUPS: VERSIONS

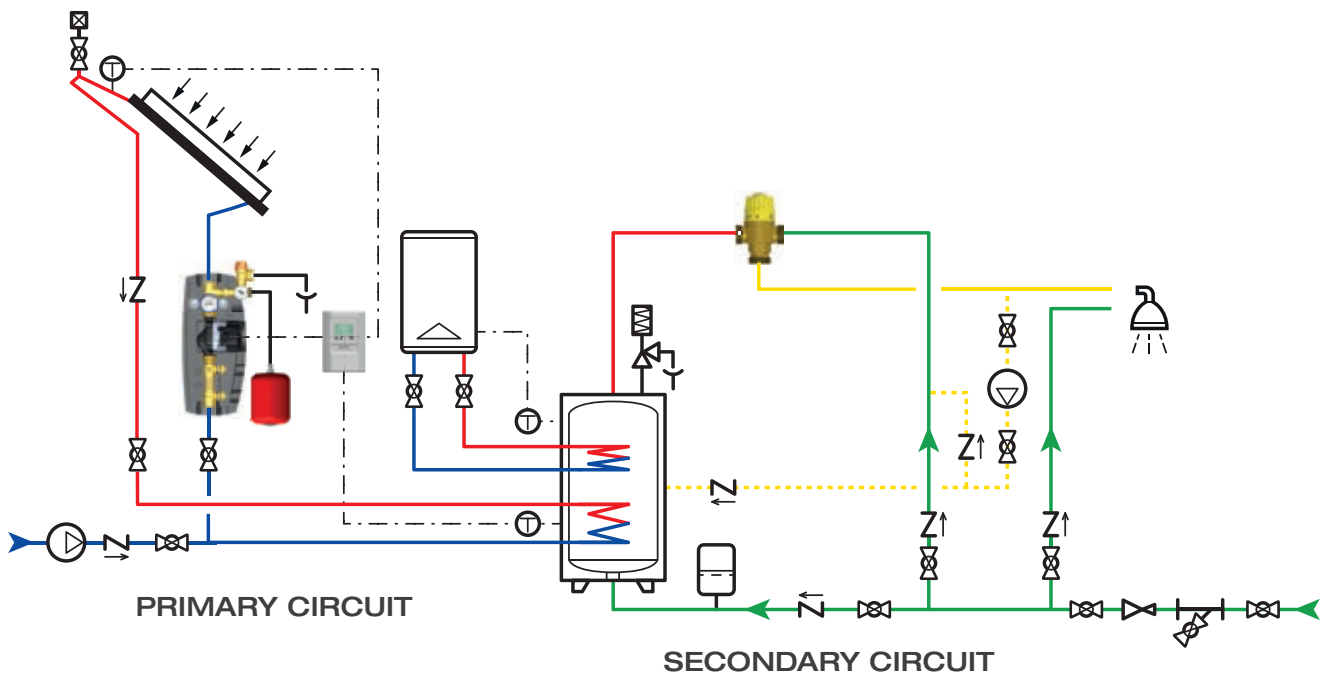
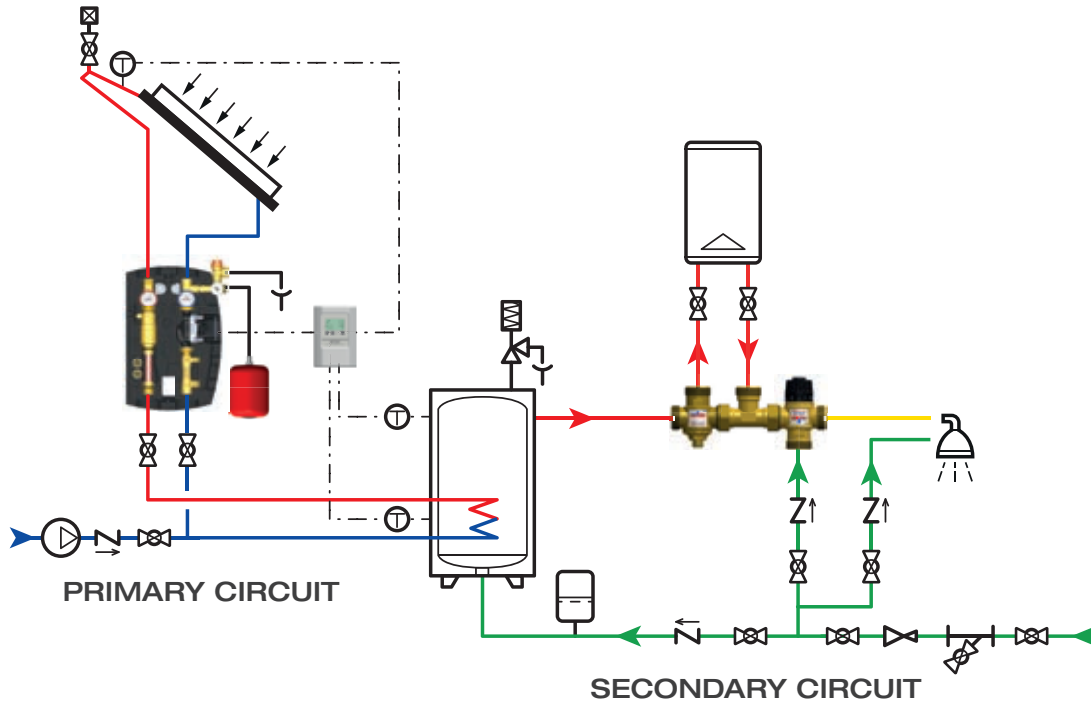


Complete  
05S



Without safety group  
21S





# GPA III

HIGH EFFICIENCY



HIGH EFFICIENCY  
 $EEL \leq 0,20$



2 PWM SIGNALS



12 TOTAL WORKING  
MODES



PWM CABLE  
SUPPLIED AS  
STANDARD



## GPA PUMP

ALL THE SOLAR GROUPS ALSO WITH GPA PUMP



# GPA

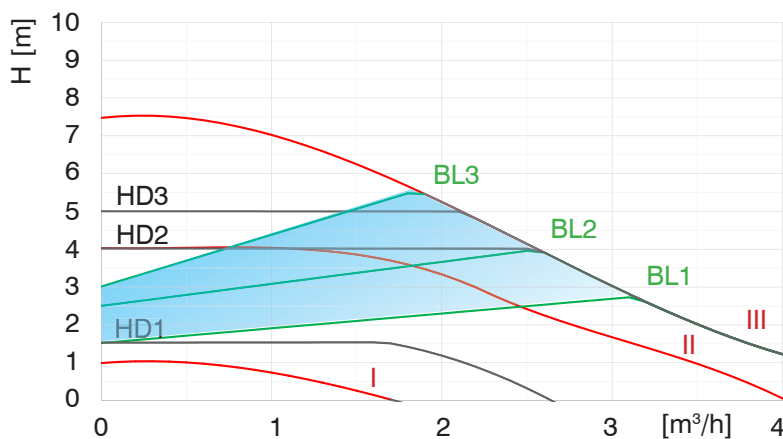
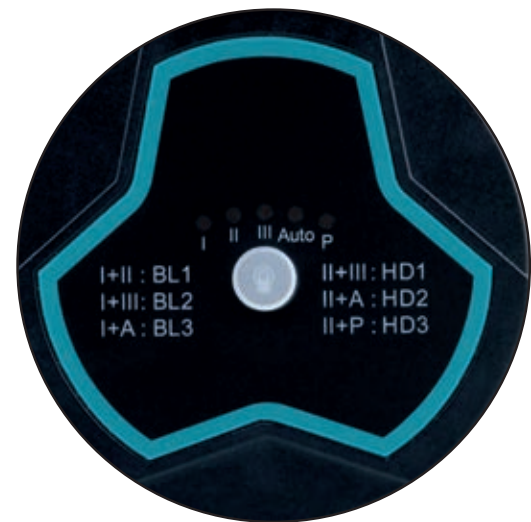


## PUMP GPA 20-7,5 III 130

- 1) Pump
- 2) Electric supply cable
- 3) PWM cable



- I
- II
- III
- Auto
- I+II: BL1
- I+III: BL2
- I+A: BL3
- II+III: HD1
- II+A: HD2
- II+P: HD3
- P: PWM 1
- I+II+III+A+P: PWM 2



### Features

- 1) High efficiency with  $EEL \leq 0,20$
- 2) 12 working modes:
  - 3 constant velocities
  - 3 proportional pressure curves
  - 3 constant pressure curves
  - 1 autoadapt mode
  - 2 PWM mode
- 3) PWM 1 for heating, PWM 2 for solar (factory setting)
- 4) Maximum head 7,5 m w.g.
- 5) PWM cable supplied as standard
- 6) For solar and heating systems
- 7) G 1 M connections, 130 mm centre distance

# 07S

Pump station for solar thermal systems. Composed of return and flow connection without copper pipe. On request versions with compression fittings for copper pipes.

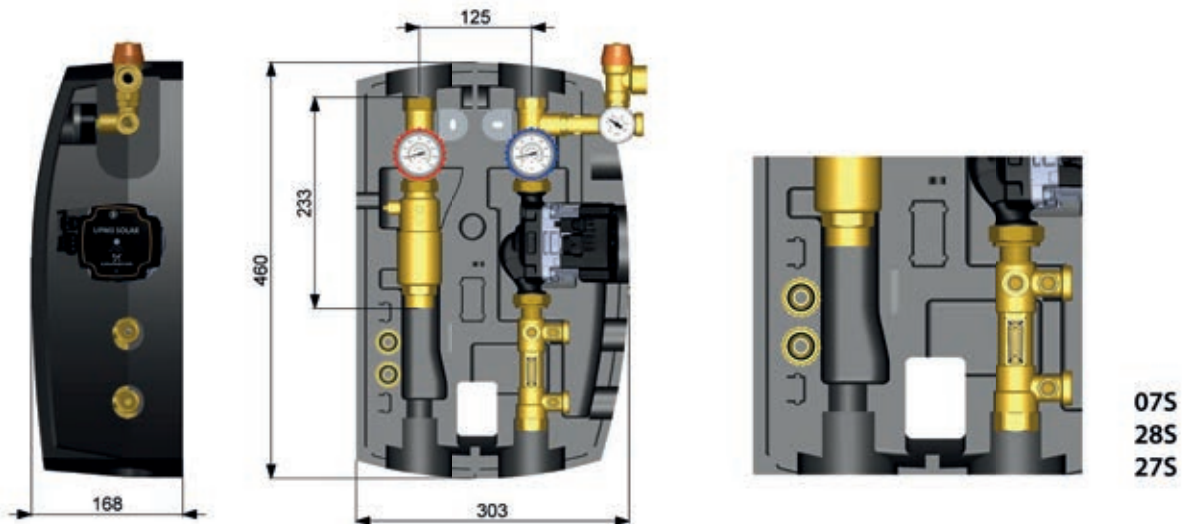
Safety relief valve setting: **6 bar**  
Max working temperature: **110 °C**  
Max working pressure: **10 bar**  
Connection centre distance: **125 mm**

PWM cable: **in the package for GPA pump, optional for UPM3 Solar**



Code	Size	Pump	Pump code	l/min	Controller		€
07S0200AU	G 3/4 F - G 3/4 F	GRUNDFOS UPM3 Solar 15-75 130	22AK	0,5–15	-	1	
07S0200AS	G 3/4 F - G 3/4 F	GPA GPA 20-7,5 III 130	45AK	0,5–15	-	1	
07S0200AG	G 3/4 F - G 3/4 F	GRUNDFOS (Extra EU) Solar 15-65 130	04AK.65	0,5–15	-	1	
07S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5–15	-	1	
07S0200BU	G 3/4 F - G 3/4 F	GRUNDFOS UPM3 Solar 15-75 130	22AK	3–35	-	1	
07S0200BS	G 3/4 F - G 3/4 F	GPA GPA 20-7,5 III 130	45AK	3–35	-	1	
07S0200BA	G 3/4 F - G 3/4 F	GRUNDFOS (Extra EU) Solar 15-70 130	04AK.70	3–35	-	1	
07S0200BX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	3–35	-	1	
07S0200AUM	G 3/4 M - G 3/4 M	GRUNDFOS UPM3 Solar 15-75 130	22AK	0,5–15	-	1	
07S0200ASM	G 3/4 M - G 3/4 M	GPA GPA 20-7,5 III 130	45AK	0,5–15	-	1	
07S0200AGM	G 3/4 M - G 3/4 M	GRUNDFOS (Extra EU) Solar 15-65 130	04AK.65	0,5–15	-	1	
07S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5–15	-	1	
07S0200BUM	G 3/4 M - G 3/4 M	GRUNDFOS UPM3 Solar 15-75 130	22AK	3–35	-	1	
07S0200BSM	G 3/4 M - G 3/4 M	GPA GPA 20-7,5 III 130	45AK	3–35	-	1	
07S0200BAM	G 3/4 M - G 3/4 M	GRUNDFOS (Extra EU) Solar 15-70 130	04AK.70	3–35	-	1	
07S0200BXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	3–35	-	1	

Dimensions of groups without copper pipe (07S-28S-27S) - Detail of groups without copper pipe



# 01S

Pump station for solar thermal systems. Composed of return and flow connection with copper pipe. On request versions with compression fittings for copper pipes.

Safety relief valve setting: **6 bar**

Max working temperature: **110 °C**

Max working pressure: **10 bar**

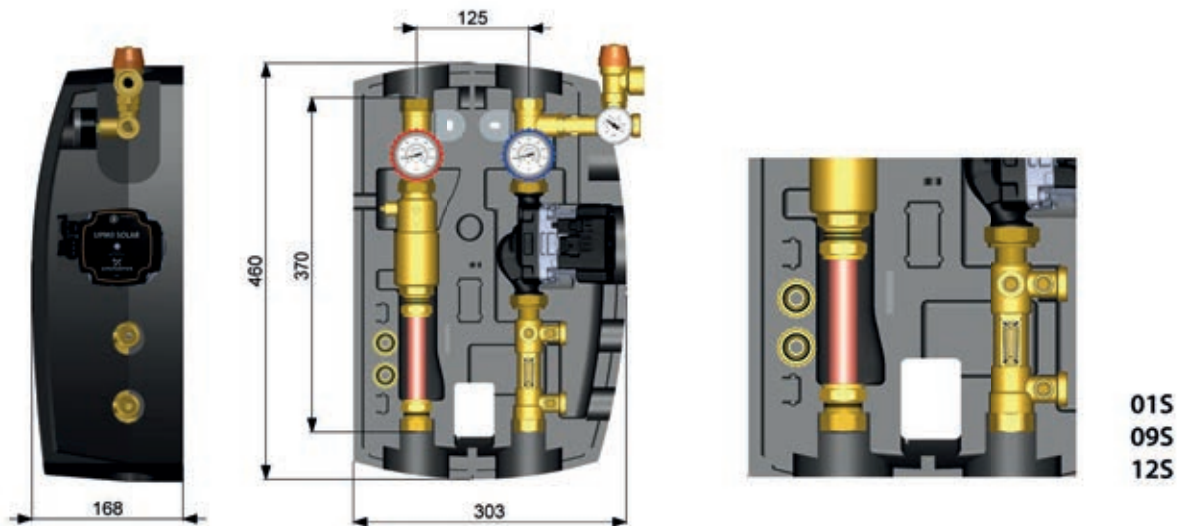
Connection centre distance: **125 mm**

PWM cable: **in the package for GPA pump, optional for UPM3 Solar**



Code	Size	Pump	Pump code	l/min	Controller		€
01S0200AU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5–15	-	1	
01S0200AS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5–15	-	1	
01S0200AG	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5–15	-	1	
01S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5–15	-	1	
01S0200BU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	3–35	-	1	
01S0200BS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	3–35	-	1	
01S0200BA	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-70 130	04AK.70	3–35	-	1	
01S0200BX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	3–35	-	1	
01S0200AUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5–15	-	1	
01S0200ASM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5–15	-	1	
01S0200AGM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5–15	-	1	
01S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5–15	-	1	
01S0200BUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	3–35	-	1	
01S0200BSM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	3–35	-	1	
01S0200BAM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-70 130	04AK.70	3–35	-	1	
01S0200BXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	3–35	-	1	

## Dimensions of groups with copper pipe (01S-09S-12S) - Detail of groups with copper pipe



# 28S-27S

Pump station for solar thermal systems with system controller. Composed of return and flow connection without copper pipe

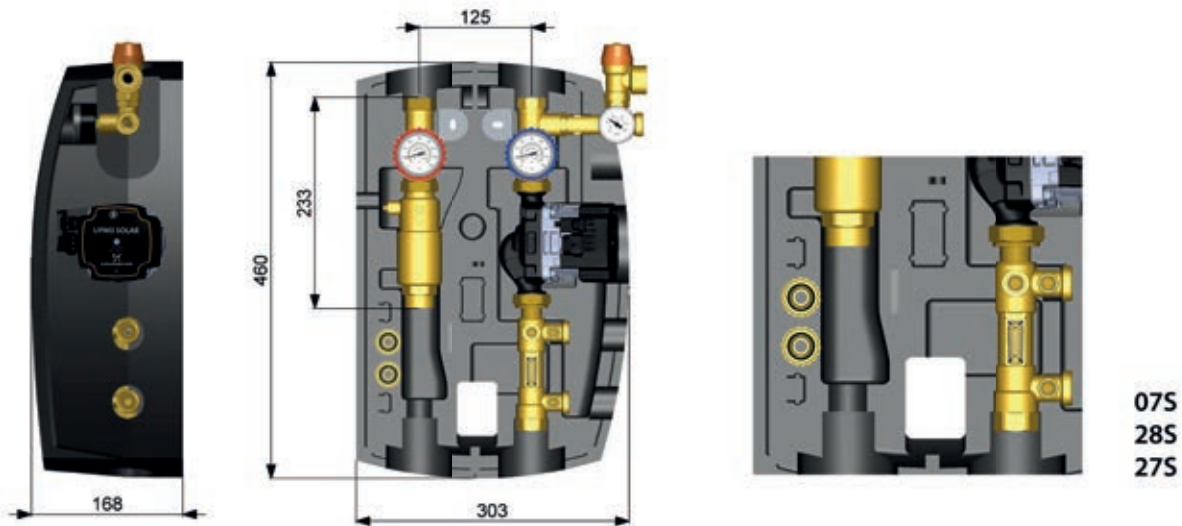
Safety relief valve setting: **6 bar**  
 Max working temperature: **110 °C**  
 Max working pressure: **10 bar**  
 Connection centre distance: **125 mm**

PWM cable: **in the package for GPA pump, optional for UPM3 Solar**



Code	Size	Pump	Pump code	l/min	Controller		€
28S0200AU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Sorel	1	
28S0200AS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Sorel	1	
28S0200AG	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Sorel	1	
28S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5-15	Sorel	1	
28S0200AUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Sorel	1	
28S0200ASM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Sorel	1	
28S0200AGM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Sorel	1	
28S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5-15	Sorel	1	
27S0200AU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Seitron	1	
27S0200AS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Seitron	1	
27S0200AG	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Seitron	1	
27S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5-15	Seitron	1	
27S0200AUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Seitron	1	
27S0200ASM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Seitron	1	
27S0200AGM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Seitron	1	
27S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5-15	Seitron	1	

Dimensions of groups without copper pipe (07S-28S-27S) - Detail of groups without copper pipe



## 09S-12S

Pump station for solar thermal systems with system controller. Composed of return and flow connection with copper pipe

Safety relief valve setting: **6 bar**

Max working temperature: **110 °C**

Max working pressure: **10 bar**

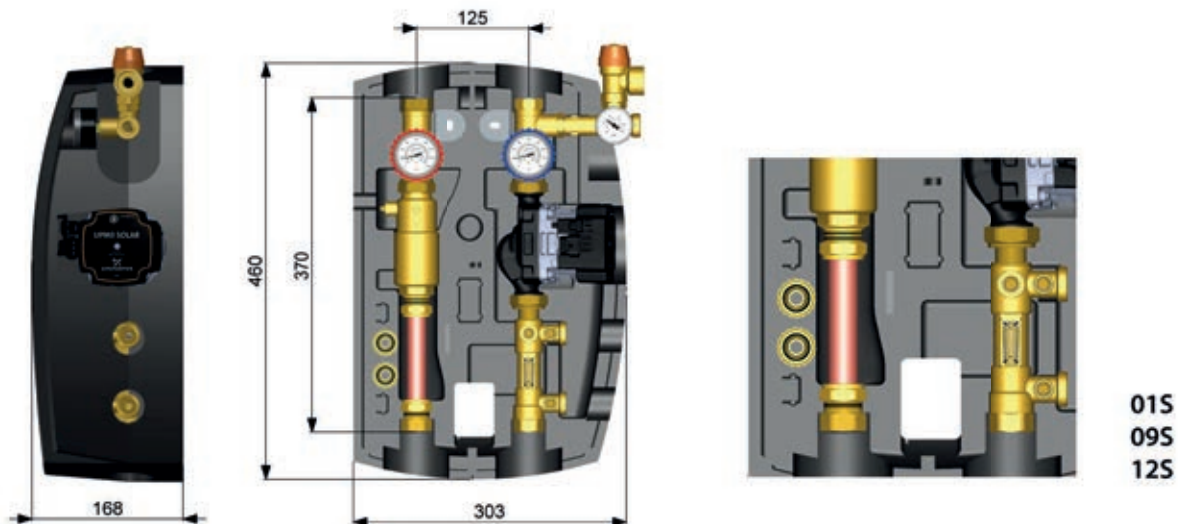
Connection centre distance: **125 mm**

PWM cable: **in the package for GPA pump, optional for UPM3 Solar**



Code	Size	Pump	Pump code	l/min	Controller		€
09S0200AU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Sorel	1	
09S0200AS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Sorel	1	
09S0200AG	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Sorel	1	
09S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5-15	Sorel	1	
09S0200AUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Sorel	1	
09S0200ASM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Sorel	1	
09S0200AGM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Sorel	1	
09S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5-15	Sorel	1	
12S0200AU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Seitron	1	
12S0200AS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Seitron	1	
12S0200AG	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Seitron	1	
12S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5-15	Seitron	1	
12S0200AUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	Seitron	1	
12S0200ASM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	Seitron	1	
12S0200AGM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	Seitron	1	
12S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5-15	Seitron	1	

### Dimensions of groups with copper pipe (01S-09S-12S) - Detail of groups with copper pipe



# 05S

Pump station for solar thermal systems - only return line. On request versions with compression fittings for copper pipes.

Safety relief valve setting: **6 bar**

Max working temperature: **110 °C**

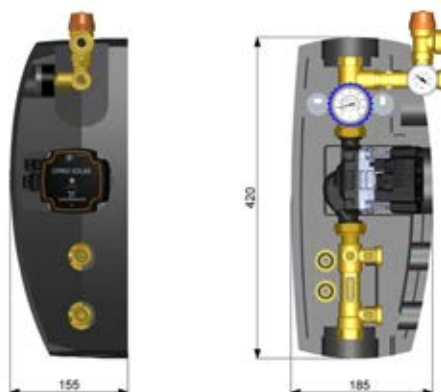
Max working pressure: **10 bar**

PWM cable: **in the package for GPA pump, optional for UPM3 Solar**



Code	Size	Pump	Pump code	l/min	Controller		€
05S0200AU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	-	1	
05S0200AS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	-	1	
05S0200AG	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	-	1	
05S0200AX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	0,5-15	-	1	
05S0200BU	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	3-35	-	1	
05S0200BS	G 3/4 F - G 3/4 F	<b>GPA</b> GPA 20-7,5 III 130	45AK	3-35	-	1	
05S0200BA	G 3/4 F - G 3/4 F	<b>GRUNDFOS</b> (Extra EU) Solar 15-70 130	04AK.70	3-35	-	1	
05S0200BX	G 3/4 F - G 3/4 F	WITHOUT PUMP	-	3-35	-	1	
05S0200AUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	0,5-15	-	1	
05S0200ASM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	0,5-15	-	1	
05S0200AGM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-65 130	04AK.65	0,5-15	-	1	
05S0200AXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	0,5-15	-	1	
05S0200BUM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> UPM3 Solar 15-75 130	22AK	3-35	-	1	
05S0200BSM	G 3/4 M - G 3/4 M	<b>GPA</b> GPA 20-7,5 III 130	45AK	3-35	-	1	
05S0200BAM	G 3/4 M - G 3/4 M	<b>GRUNDFOS</b> (Extra EU) Solar 15-70 130	04AK.70	3-35	-	1	
05S0200BXM	G 3/4 M - G 3/4 M	WITHOUT PUMP	-	3-35	-	1	

### Dimensions of 05S group



## 33D

Solar thermal system controller with 3 temperature probes - 3 Input NTC, 2 Output on/off, 1 Output alarm, 1 Output PWM, 1 Output 0-10 V

Supply: 230 V - 50 Hz

Protection class: IP 40

Preset programs: 6

Supplied probes: 3 NTC 10K @ 25 °C ± 1%

Working temperature range of probes:

-50-200 °C (blue), -50-110 °C (yellow)



Code	Size	Controller			€
33D000000	L-H-D 155-110-30	Seitron TDST24M	1	-	

## 34D

Solar thermal system controller with 3 temperature probes - 4 Input Pt1000, 2 Output on/off, 1 Output PWM or 0-10 V

Supply: 100-240 V - 50-60 Hz

Protection class: IP 40

Preset programs: 27

Supplied probes: 3 Pt 1000

Optional probe: 1 Pt 1000

Working temperature range of probes:

-40-300 °C



Code	Size	Controller			€
34D000001	L-H-D 106-157-31	Sorel MTDC	1	-	

## 14D.4

Spare probe Pt 1000, maximum temperature 180 °C.

Max working temperature: 180 °C (max. ohmic value in output)/220 °C (max fluid temperature)



Code	Size	Cable [m]			€
14D100004I	5,5 mm	2	-	-	

## 14D.6

Spare probe NTC 10K @ 25 °C ± 1%, working temperature range -50-200 °C (blue).

Working temperature range of probes:

-50-200 °C (blue)



Code	Size	Cable [m]			€
14D100006I	6 mm	1,5	-	-	

## 04D

Safety relief valve for primary circuit of solar thermal systems

Opening overpressure: 10%

Reseating pressure: -20%

Outflow coefficient:  $K=0,05$

Max working temperature: 160 °C

Max working pressure: 10 bar

Suitable fluids: water, glycol solutions (max 50%)

2014/68/EU PED



Code	Size	Setting [bar]			€
04D0150003	G 1/2 F - G 3/4 F	3	-	50	
04D0150006	G 1/2 F - G 3/4 F	6	-	50	

## 03D

Safety group composed of safety relief valve, pressure gauge (0-10 bar), expansion vessel connection, connection with O-Ring and locking nut

Opening overpressure: 10%

Reseating pressure: -20%

Outflow coefficient:  $K=0,05$

Max working temperature: 140 °C

Max working pressure: 10 bar

Suitable fluids: water, glycol solutions (max 50%)



Code	Size	Setting [bar]			€
03D0150003	G 1/2 M - G 3/4 M	3	1	20	
03D0150006	G 1/2 M - G 3/4 M	6	1	20	

## 12D

Fitting G 3/4 M with compression end, with assembled nut, olive and O-Ring (codes "XXX XXX XXX M" without compression fitting)

Max working temperature: 140 °C

Max working pressure: 16 bar



Code	Size			€
12D022000	22 mm - G 3/4 M	2	-	
12D025000M	G 1 M - G 3/4 M	2	-	

### 30D

Expansion vessel for primary and secondary circuit of solar thermal systems. Versions with maximum pressure 10 bar have interchangeable membrane. Balloon (bladder) membrane

Max working temperature: **99 °C**  
Max working peak temperature: **130 °C (max 4 h/day)**  
Suitable fluids: **water, glycol solutions (max 50%)**  
Suitable for potable water



Code	Size	Litres	P [bar]		€
30D02000612	G 3/4 M	12	8	1	
30D02000618	G 3/4 M	18	8	1	
30D02000625	G 3/4 M	25	8	1	
30D02000640	G 3/4 M	40	8	1	
30D02000812	G 3/4 M	12	10	1	
30D02000819	G 3/4 M	19	10	1	
30D02000825	G 3/4 M	25	10	1	
30D02000840	G 3/4 M	40	10	1	

### 18D

Expansion vessel installation kit (hose, bracket, wall anchors and automatic shut-off valve 15D) - hose length 500 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
18D020000	G 3/4 F	-	15	

### 18D.1

Expansion vessel installation kit (hose, bracket, wall anchors and automatic shut-off valve 15D) - hose length 730 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
18D0200001	G 3/4 F	-	10	

### 15D

Automatic shut-off valve for expansion vessel replacement

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
15D020000	G 3/4 M - G 3/4 F	10	40	

### 06D

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + holes for brackets) - temperature gauge 0-160 °C (32-320 °F) - red knob

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
06D020000R	G 3/4 F - G 1 RN	red	-	24	

### 07D

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + holes for brackets + check valve override + side connection) - temperature gauge 0-160 °C (32-320 °F) - blue handle

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
07D020000	G 1 RN - G 3/4 F	blue	-	24	



## O2D-31D

Flow rate regulator DN 15 with glass measurement zone, 2 fill/drain connections with ball shut-off valves - flow rate regulation through ball valve

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size	l/min			€
02D015000PT	G 3/4 F - G 1 RN - G 3/4 M	0,5-15	1	20	
02D018000PT	18 mm - G 1 RN - G 3/4 M	0,5-15	1	20	
02D020000PTM	G 3/4 M - G 1 RN - G 3/4 M	0,5-15	1	20	
02D022000PT	22 mm - G 1 RN - G 3/4 M	0,5-15	1	20	
31D015000PT	G 3/4 F - G 1 RN - G 3/4 M	3-35	1	20	

## P32

Ball drain cock for solar thermal systems - with 15 mm hose connection and plug

Max working temperature: **150 °C**

Max working pressure: **16 bar**



Code	Size			€
P32015000	G 1/2 M	10	40	

## P71

Vertical manual deaerator

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
P71020000	G 1 M - G 3/4 F	1	28	
P71020000M	G 1 M - G 3/4 M	1	28	
P71022000	G 1 M - 22 mm	1	28	

## O05KV

Universal check valve - FF - brass obturator - viton gasket

Max working temperature: **150 °C**



Code	Size	P [bar]			€
005008000KV	G 1/4 F	35	30	240	
005010000KV	G 3/8 F	35	30	240	
005015000KV	G 1/2 F	35	30	240	
005020000KV	G 3/4 F	35	18	144	
005025000KV	G 1 F	35	14	84	
005032000KV	G 1 1/4 F	25	12	72	
005040000KV	G 1 1/2 F	25	10	40	
005050000KV	G 2 F	25	6	36	
005065000KV	G 2 1/2 F	12	-	15	
005080000KV	G 3 F	12	-	12	
005100000KV	G 4 F	12	-	5	

## O20KV

Universal check valve - FF - brass obturator - viton gasket - suitable for high pressure application

Max working temperature: **150 °C**



Code	Size	P [bar]			€
020010000KV	G 3/8 F	50	24	192	
020015000KV	G 1/2 F	50	20	160	
020020000KV	G 3/4 F	50	12	96	
020025000KV	G 1 F	50	8	64	
020032000KV	G 1 1/4 F	35	8	48	
020040000KV	G 1 1/2 F	35	6	36	
020050000KV	G 2 F	35	5	20	

## 11D.160

Axial temperature gauge

Scale: **0-160 °C / 32-320 °F**

Diameter: **51 mm**

Stem diameter: **5 mm**

Stem total length: **50,5 mm**



Code	Size			€
11D015000160	Ø 51 mm	-	10	



## 22AK

Spare pump Grundfos UPM3 Solar 25-75 130 with high efficiency (EEI<0,20). Complete with 3 pole cable.

Max head: **7,5 m w.g.**  
Max working temperature: **100 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	Nr. poles	Cable [m]	€
22A025075BK	G 1 M	3	1	

## 14D.2

3 pole cable with 90° rapid connector for UPM3 AUTO, UPM3 AUTO L and UPM3 solar pumps



Code	Nr. poles	Cable [m]	€
14D100002	3	1	

## 14D.3

Cable for PWM signal with rapid connector (Superseal type) for UPM3 solar pump



Code	Nr. poles	Cable [m]	€
14D100003	3	1	

## 45AK

Spare pump GPA 20-7,5 III 130 with high efficiency (EEI<0,20). Complete with 3 pole cable and PWM cable.

Max head: **7,5 m w.g.**  
Max working temperature: **110 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	Nr. poles	Cable [m]	€
45A025075BK1	G 1 M	3	1	

## 04AK.65

Spare pump Grundfos UPS (Extra EU) Solar 15-65 130 for solar thermal systems with 3 constant speeds. Complete with 3 pole cable.

Max head: **6,5 m w.g.**  
Max working temperature: **110 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	Nr. poles	Cable [m]	€
04A025065BK	G 1 M	3	1	

## 04AK.70

Spare pump Grundfos UPS (Extra EU) Solar 15-70 130 for solar thermal systems with 3 constant speeds. Complete with 3 pole cable.

Max head: **7 m w.g.**  
Max working temperature: **110 °C**  
Max working pressure: **10 bar**  
Centre distance: **130 mm**



Code	Size	Nr. poles	Cable [m]	€
04A025070BK	G 1 M	3	1	

## 14D

3 pole cable with rapid connector for UPS solar and UPML auto pump



Code	Nr. poles	Cable [m]	€
14D10000P	3	1	

## 14D.17

3 pole cable with 90° rapid connector for GPA III pumps



Code	Nr. poles	Cable [m]	€
14D100017	3	1	

## 14D.16

Cable for PWM signal with rapid connector (Superseal type) for GPA III pump



Code	Nr. poles	Cable [m]	€
14D100016	3	1	

## P04



Thermal solar system thermostatic mixing valve - antiscald - Kv 1,8 - range 30–65 °C

Flow coefficient: **Kv 1,8**

Temperature adjustment range: **30–65 °C**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
P04A20000	G 3/4 M	1	20	
P04A25000	G 1 M	1	20	

## P05



Thermal solar system thermostatic mixing valve - antiscald - Kv 2,3 - range 30–65 °C

Flow coefficient: **Kv 2,3**

Temperature adjustment range: **30–65 °C**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
P05A20000	G 3/4 M	1	20	
P05A25000	G 1 M	1	20	

## P04.L2



Thermal solar system thermostatic mixing valve - antiscald - Kv 1,8 - range 30–65 °C. Fittings and check valves insert unassembled (V38.04)

Flow coefficient: **Kv 1,8**

Temperature adjustment range: **30–65 °C**

Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
P04A20000L2	G 3/4 M	1	20	
P04A25000L2	G 1 M	1	20	

## P05.L2



Thermal solar system thermostatic mixing valve - antiscald - Kv 2,3 - range 30–65 °C. Fittings and check valve insert unassembled (V38.04)

Flow coefficient: **Kv 2,3**

Temperature adjustment range: **30–65 °C**

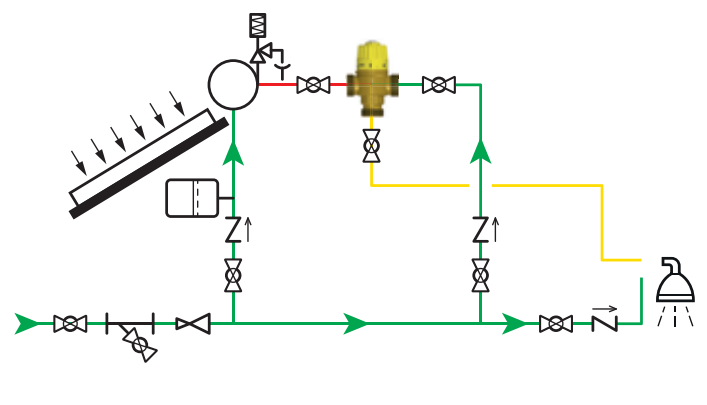
Max working temperature: **110 °C**

Max working pressure: **10 bar**

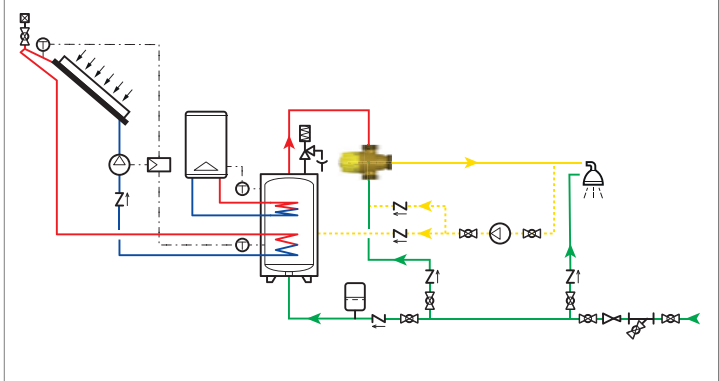


Code	Size			€
P05A20000L2	G 3/4 M	1	20	
P05A25000L2	G 1 M	1	20	

Natural circulation solar system



Forced circulation solar and recirculation system



## V20



Solar-to-boiler thermal integration kit with thermostatic diverting valve and thermostatic mixing valve. For boiler with storage or boiler with instantaneous DHW production able to receive pre-heated water at the inlet.

Flow coefficient: **Kv 2**  
 Temperature adjustment range: **35–60 °C**  
 Diverting valve setting: **45 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V20M25001	G 1 M	1	6	

## V20.L1



Solar-to-boiler thermal integration kit with thermostatic diverting valve and thermostatic mixing valve - 5 fittings and 3 check valves inserts. For boiler with storage or boiler with instantaneous DHW production able to receive pre-heated water at the inlet.

Flow coefficient: **Kv 2**  
 Temperature adjustment range: **35–60 °C**  
 Diverting valve setting: **45 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V20M25001L1	G 1 M	1	6	

## V20.L2



Solar-to-boiler thermal integration kit with thermostatic diverting valve and thermostatic mixing valve - 5 fittings P93. For boiler with storage or boiler with instantaneous DHW production able to receive pre-heated water at the inlet.

Flow coefficient: **Kv 2**  
 Temperature adjustment range: **35–60 °C**  
 Diverting valve setting: **45 °C**  
 Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size			€
V20M25001L2	G 3/4 M	1	6	

## V20.1

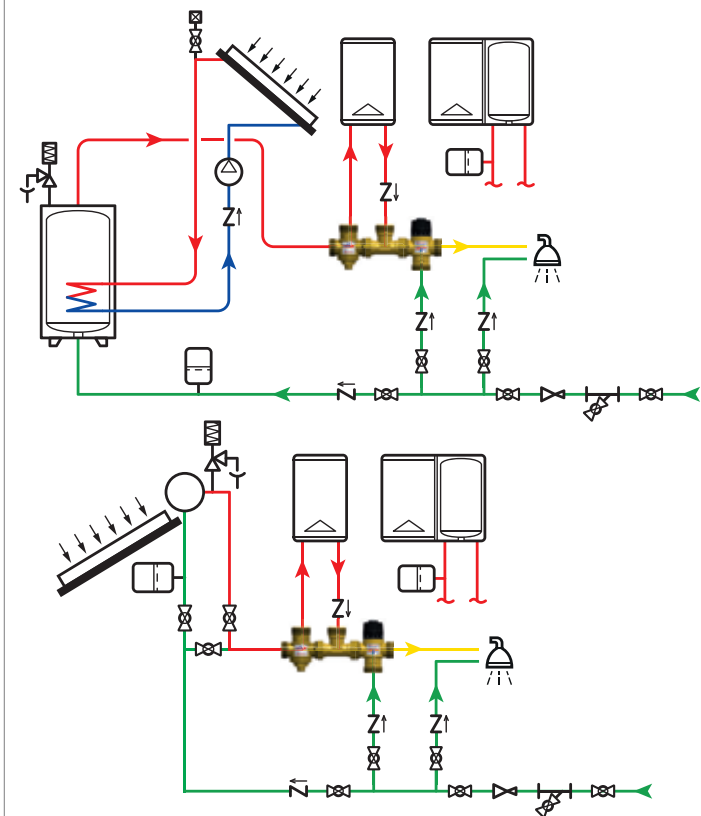


Insulation for solar-to-boiler integration kit V20, V20.L1, V20.L2

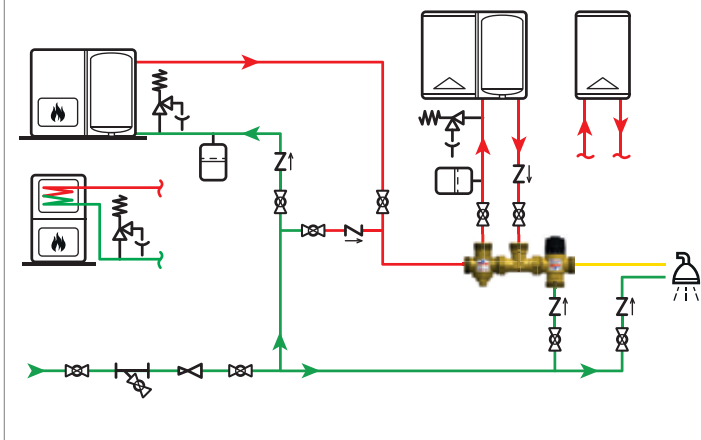
Max working temperature: **140 °C**

Code	Size			€
V20000001	225 mm x 100 mm	-	-	

### V20 for integration: forced circulation solar-to-boiler; natural circulation solar-to-boiler



### V20 for biomass-to-boiler integration





ZONE AND  
DIVERTING VALVES

**B05**



# GREEN DEAL SOLUTIONS



**SIMPLE TECHNOLOGICAL AVANT-GUARDE**  
HIGH PERFORMANCE WITH THE LOWEST CONSUMPTION IN THE CATEGORY

# BSS5

soft torque technology

NEW



ARP

AUTOMATIC RETURN in POSITION

#### ELECTRONIC EVOLUTION:

THE SPRING RETURN SYSTEMS GIVE WAY TO AN INNOVATIVE SYSTEM THAT MANAGES THE AUTOMATIC CLOSING THROUGH THE ELECTRONICS OF THE ACTUATOR.



soft torque technology

#### BARBERI PATENTED TECHNOLOGY:

THE COMBINATION BETWEEN DESIGN AND MATERIALS OF THE COMPONENTS INCREASES THE PRODUCT PERFORMANCE AND ITS LIFE OVER TIME.



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DESIGN



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RANGE

**BS5 and BS5 ARP: patented cylindrical rotor obturator**

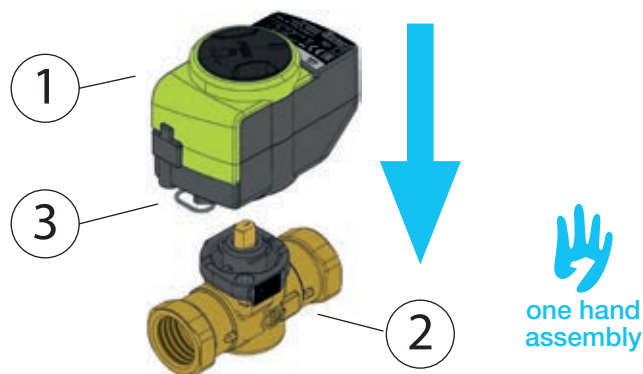
soft torque technology



**SOFT TORQUE TECHNOLOGY**

The “soft torque technology” is a Barberi® patent which combines a particular design of the components with carefully selected materials; this combination allows to increase the product performance and ensure its maintenance over time. The result, in technical terms, is a very low resistant rotation torque which determines high flow rates, an anti-seize system and fast running time.

**BS5 and BS5 ARP: one hand installation via clip**



**ONE HAND ASSEMBLY**

The installation of the actuator (1) on the valve body (2) can be performed with a single hand. Leaving the clip (3) placed in the specific slot, a simple click is enough to connect the actuator to the valve body, without any tool. The actuator disassembly can be made by removing the clip and unlocking the actuator from the valve stem.

**BS5 and BS5 ARP: rotation speed**

fast rotation



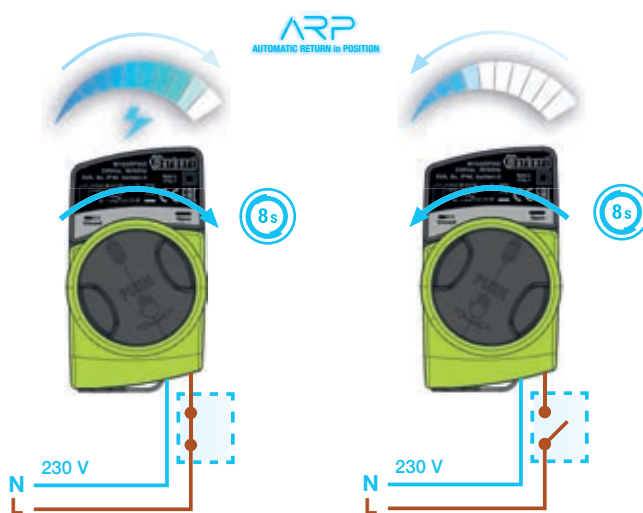
**SPEED**

The smooth and low-friction rotation makes the commutation faster (from one zone to the other in the 3-way valve, the zone closing in the 2-way valve), which occurs in 8 seconds only.

**ENERGY SAVING**

The low resistant torque requires a lower electrical consumption during the valve rotation. In addition, our ARP actuator is characterized by a reduction of up to 90% in electric consumption with the valve open.

**BS5 ARP: operating principle of the supercapacitor**



**ARP**

The technology with “automatic return in position ARP” is an innovative system that manages the automatic valve closing through the electronics of the actuator.

1) When the electric supply is on (for example thermostat contact closed), the knob rotates in clockwise direction, in 8 s the 2-way valve opens and the 3-way valve diverts towards the port A. The supercapacitor charges and the valve remains in this position with an electric consumption reduced up to 90% if compared to a spring return valve.

2) When the electric supply is off (for example thermostat contact open), the supercapacitor generates the electric current to restore the initial position of the valve (Automatic Return in Position ARP). The knob rotates in anticlockwise direction, in 8 s the 2-way valve closes and the 3-way valve diverts towards the port B, while the supercapacitor discharges.



## V82.W.2PM

BSS

2-way zone valve. 2 point actuator with rapid assembling on the valve, manual knob and cable. Auxiliary microswitch. Valve with cylindrical obturator.

Max differential pressure: **1 bar**

Working temperature range: **0 (no frost)–90 °C**

Max working pressure: **10 bar**

Protection class: **IP 44**

Frequency: **50–60 Hz**

Power consumption: **6 VA**

Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**



Code	Size	Kv	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
V82BF1WADE	Rp 1/2	9	230	8	5	Integrated	0,9	1	6	
V82BF2WADE	Rp 3/4	10	230	8	5	Integrated	0,9	1	6	
V82BF3WADE	Rp 1	10	230	8	5	Integrated	0,9	1	6	
V82B22WADE	22 mm	9,5	230	8	5	Integrated	0,9	1	6	
V82B28WADE	28 mm	9,5	230	8	5	Integrated	0,9	1	6	
V82BM2WADE	G 3/4 M	11,5	230	8	5	Integrated	0,9	1	6	
V82BM3WADE	G 1 M	10	230	8	5	Integrated	0,9	1	6	
V82BM4WADE	G 1 1/4 M	10	230	8	5	Integrated	0,9	1	6	

## M10.02P.2VM

BSS

Spare actuator for 2-way zone valve. 2 point type with rapid assembling on the valve, manual knob and cable. Auxiliary microswitch.

Protection class: **IP 44**

Frequency: **50–60 Hz**

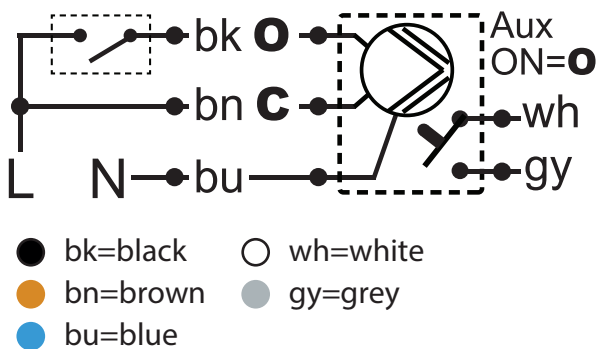
Power consumption: **6 VA**

Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**

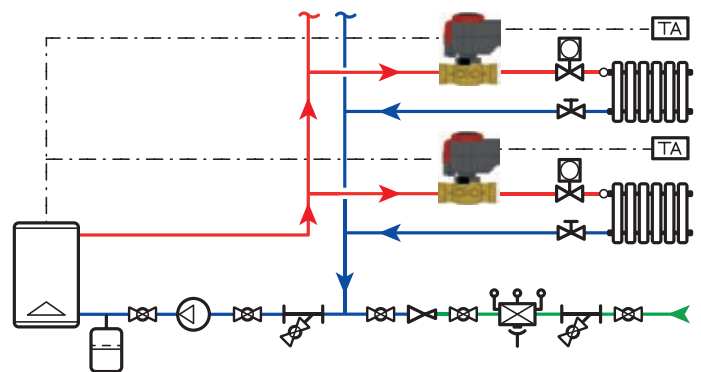


Code	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
M1002P011	230	8	5	Integrated	0,9	1	10	

Wiring diagram M10, 2 points-5 poles with aux. microswitch



Use of V82 as zone valves





# V82.W.ARP

BSS ARP

2-way zone valve. ARP actuator with automatic return in position, rapid assembling on the valve, manual knob and cable. Auxiliary microswitch. Valve with cylindrical obturator.

- Max differential pressure: **1 bar**
- Working temperature range: **0 (no frost)–90 °C**
- Max working pressure: **10 bar**
- Protection class: **IP 44**
- Frequency: **50–60 Hz**
- Power consumption: **6 VA**
- Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**



Code	Size	Kv	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
V82BF1WBDE	Rp 1/2	9	230	8	4	Integrated	0,9	1	6	
V82BF2WBDE	Rp 3/4	10	230	8	4	Integrated	0,9	1	6	
V82BF3WBDE	Rp 1	10	230	8	4	Integrated	0,9	1	6	
V82B22WBDE	22 mm	9,5	230	8	4	Integrated	0,9	1	6	
V82B28WBDE	28 mm	9,5	230	8	4	Integrated	0,9	1	6	
V82BM2WBDE	G 3/4 M	11,5	230	8	4	Integrated	0,9	1	6	
V82BM3WBDE	G 1 M	10	230	8	4	Integrated	0,9	1	6	
V82BM4WBDE	G 1 1/4 M	10	230	8	4	Integrated	0,9	1	6	

# M10.ARP.2VM

BSS ARP

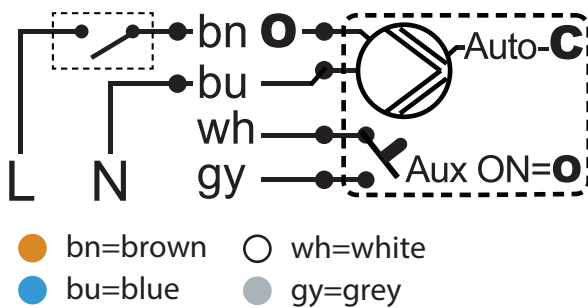
Spare ARP actuator with automatic return in position for 2-way zone valve. With rapid assembling on the valve, manual knob and cable. Auxiliary microswitch.

- Protection class: **IP 44**
- Frequency: **50–60 Hz**
- Power consumption: **6 VA**
- Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**

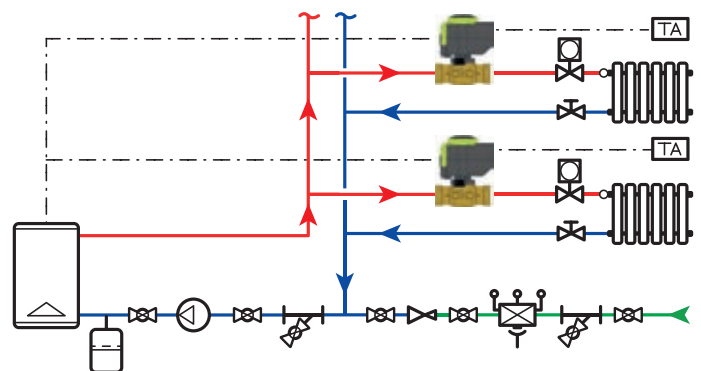


Code	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
M10ARP005	230	8	4	Integrated	0,9	1	10	

Wiring diagram M10 ARP with automatic return in position with aux. microswitch



Use of V82 as zone valves



## V83.W.2PM

BSS

3-way zone and diverting valve with central common port. 2 point actuator with rapid assembling on the valve, manual knob and cable. Auxiliary microswitch. Valve with cylindrical obturator.

Max differential pressure: **1 bar**

Working temperature range: **0 (no frost)–90 °C**

Max working pressure: **10 bar**

Protection class: **IP 44**

Frequency: **50–60 Hz**

Power consumption: **6 VA**

Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**

Code	Size	Kv	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
V83AF1WADC	Rp 1/2	6	230	8	5	Integrated	0,9	1	6	
V83AF2WADC	Rp 3/4	7	230	8	5	Integrated	0,9	1	6	
V83AF3WADC	Rp 1	8	230	8	5	Integrated	0,9	1	6	
V83A22WADC	22 mm	7	230	8	5	Integrated	0,9	1	6	
V83A28WADC	28 mm	7,5	230	8	5	Integrated	0,9	1	6	
V83AM2WADC	G 3/4 M	7,5	230	8	5	Integrated	0,9	1	6	
V83AM3WADC	G 1 M	8	230	8	5	Integrated	0,9	1	6	
V83AM4WADC	G 1 1/4 M	8	230	8	5	Integrated	0,9	1	6	



## M10.02P.3VM

BSS

Spare actuator for 3-way zone and diverting valve. 2 point type with rapid assembling on the valve, manual knob and cable. Auxiliary microswitch.

Protection class: **IP 44**

Frequency: **50–60 Hz**

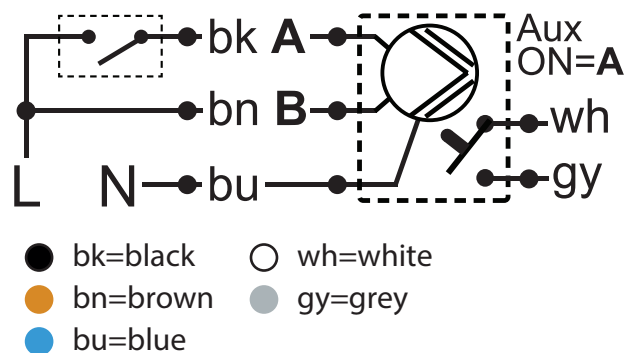
Power consumption: **6 VA**

Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**

Code	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
M1002P007	230	8	5	Integrated	0,9	1	10	



### Wiring diagram M10, 2 points-5 poles with aux. microswitch





# V83.W.ARP

BSS ARP

3-way zone and diverting valve with central common port. ARP actuator with automatic return in position, rapid assembling on the valve, manual knob and cable. Auxiliary microswitch. Valve with cylindrical obturator.

- Max differential pressure: **1 bar**
- Working temperature range: **0 (no frost)–90 °C**
- Max working pressure: **10 bar**
- Protection class: **IP 44**
- Frequency: **50–60 Hz**
- Power consumption: **6 VA**
- Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**



Code	Size	Kv	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
V83AF1WBDD	Rp 1/2	6	230	8	4	Integrated	0,9	1	6	
V83AF2WBDD	Rp 3/4	7	230	8	4	Integrated	0,9	1	6	
V83AF3WBDD	Rp 1	8	230	8	4	Integrated	0,9	1	6	
V83A22WBDD	22 mm	7	230	8	4	Integrated	0,9	1	6	
V83A28WBDD	28 mm	7,5	230	8	4	Integrated	0,9	1	6	
V83AM2WBDD	G 3/4 M	7,5	230	8	4	Integrated	0,9	1	6	
V83AM3WBDD	G 1 M	8	230	8	4	Integrated	0,9	1	6	
V83AM4WBDD	G 1 1/4 M	8	230	8	4	Integrated	0,9	1	6	

# M10.ARP.3VM

BSS ARP

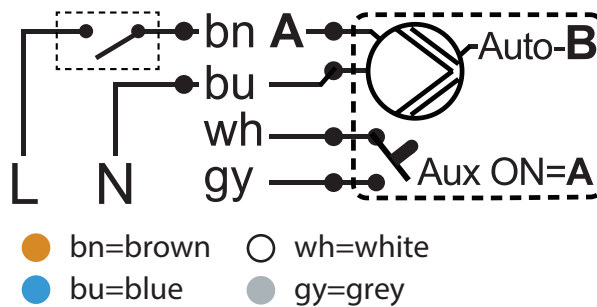
Spare ARP actuator with automatic return in position for 3-way zone and diverting valve. With rapid assembling on the valve, manual knob and cable. Auxiliary microswitch.

- Protection class: **IP 44**
- Frequency: **50–60 Hz**
- Power consumption: **6 VA**
- Aux. microswitch contact rating: **1 SPST, 6(1) A-230 V**



Code	V	Running time [s]	Nr. poles	Cable connection	Cable [m]			€
M10ARP004	230	8	4	Integrated	0,9	1	10	

Wiring diagram M10 ARP with automatic return in position with aux. microswitch



# P93

Fitting with running nut and flat gasket

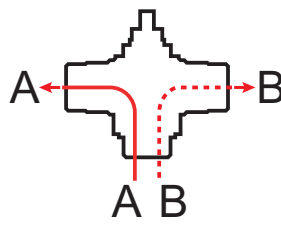
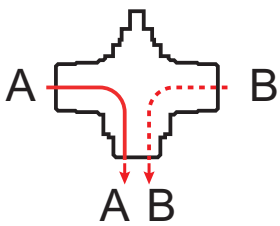
Max working temperature: **100 °C**

Max working pressure: **25 bar**

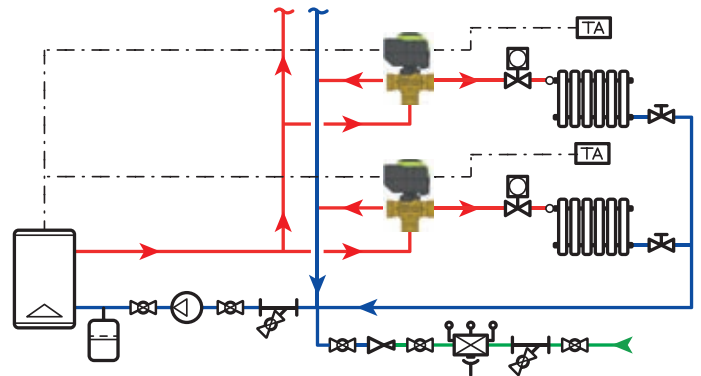


Code	Size			€
P93015000	G 1/2 M - G 3/4 RN	20	80	
P93020000	G 3/4 M - G 1 RN	16	64	
P93025000	G 1 M - G 1 1/4 RN	8	64	

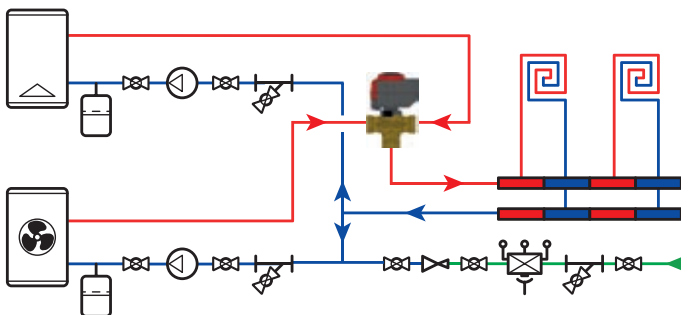
## Use of ports for the 3-way valve



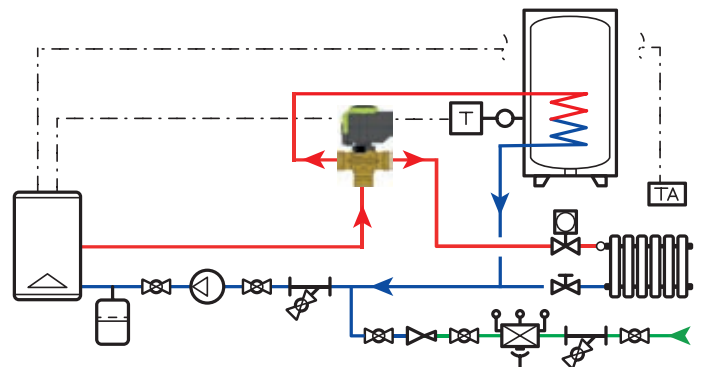
## V83: use as zone valve



## V83: use as diverting valve, 2 inlets and 1 outlet



## V83: use as diverting valve, 1 inlet and 2 outlets





## P94.L1

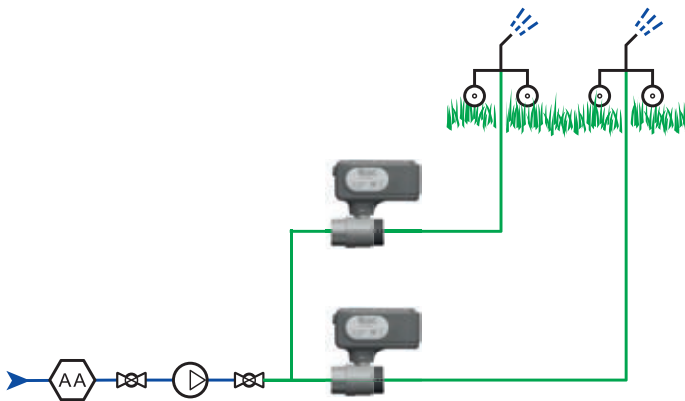
2-way ball zone valve MF fitted for M02 actuator - chrome plated - with fitting (tailpiece and nut)



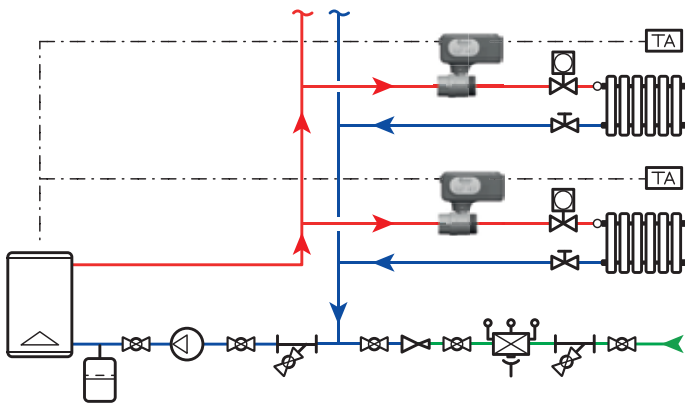
Max differential pressure: **16 bar**  
 Max working temperature: **95 °C**  
 Max working pressure: **16 bar**

Code	Size	Kv			€
P94015C00L1	G 1/2 M - G 1/2 F - DN 15	10,2	10	40	
P94020C00L1	G 3/4 M - G 3/4 F - DN 20	18,3	5	40	
P94025C00L1	G 1 M - G 1 F - DN 25	43,1	5	30	
P94032C00L1	G 1 1/4 M - G 1 1/4 F - DN 32	71,8	5	10	

### Use of P94 as shut-off valves in irrigation systems



### Use of P94 as zone valves



## M02

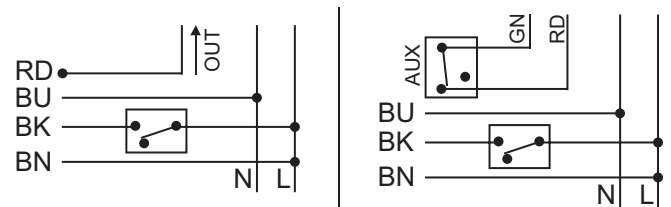
Actuator for 2-way ball zone valves. 2 points, on/off regulation. Rotation angle 90°. Output potential contact (4 pole version) or auxiliary microswitch (5 pole version). Complete with blocking screw, 1 m integrated cable



Torque: **10 N-m**  
 Protection class: **IP 44**  
 Frequency: **50 Hz**

Code	V	Running time [s]	Nr. poles	Cable [m]			€
M020101BCA	230	40	4	0,84	1	10	
M020102BCA	24	40	4	0,84	1	10	
M020101CCA	230	40	5	0,79	1	10	
M020102CCA	24	40	5	0,79	1	10	

### Wiring diagram M02, 2 points-4 poles and 2 points-5 poles with aux. microswitch



## P93.N

Fitting with running nut and flat gasket - nickel plated

Max working temperature: **100 °C**  
 Max working pressure: **25 bar**



Code	Size			€
P93015N00	G 1/2 M - G 3/4 RN	20	80	
P93020N00	G 3/4 M - G 1 RN	16	64	
P93025N00	G 1 M - G 1 1/4 RN	8	64	
P93032N00	G 1 1/4 M - G 1 1/2 RN	4	32	



AIR VENTS  
AND DEAERATORS

**B06**

## Y47L

Automatic air vent.

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
Y47010000L	G 3/8 M	10	100	
Y47015000L	G 1/2 M	10	100	
Y47020000L	G 3/4 M	10	100	
Y47025000L	G 1 M	10	100	

## Y47

Automatic air vent (compact version)

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
Y47010000	G 3/8 M	10	100	
Y47015000	G 1/2 M	10	100	

## Y47.N

Automatic air vent (compact version) - nickel plated

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
Y47010N00	G 3/8 M	10	100	
Y47015N00	G 1/2 M	10	100	

## Y70

Automatic shut-off valve for air vent replacement

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
Y70010000	G 3/8 M - G 3/8 F	20	400	
Y70015000	G 1/2 M - G 1/2 F	20	400	

## Y70.N

Automatic shut-off valve for air vent replacement - nickel plated

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
Y70010N00	G 3/8 M - G 3/8 F	20	400	
Y70015N00	G 1/2 M - G 1/2 F	20	400	

## P57L.N

Automatic air vent with side connection (compact version) - nickel plated

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
P57010N00L	G 3/8 M	10	100	
P57015N00L	G 1/2 M	10	100	

## P57

Automatic air vent with side connection (compact version)

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
P57010000	G 3/8 M	10	100	
P57015000	G 1/2 M	10	100	

## P56

Automatic air vent with side vent

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
P56010000	G 3/8 M	10	100	
P56015000	G 1/2 M	10	100	

## P56.N

Automatic air vent with side vent - nickel plated

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size			€
P56010N00	G 3/8 M	10	100	
P56015N00	G 1/2 M	10	100	



## P58

Automatic air vent for heating emitters and radiators - nickel plated.

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
P58025N00D	G 1 M - right	10	100	
P58025N00S	G 1 M - left	10	100	
P58032N00D	G 1 1/4 M - right	10	100	
P58032N00S	G 1 1/4 M - left	10	100	

## P83

Manual air vent with adjustable drain position - nickel plated

Max working temperature: **95 °C**

Max working pressure: **6 bar**



Code	Size			€
P83015N00	G 1/2 M	2	-	

## 05B

Manual air vent with PTFE seal - nickel plated

Max working temperature: **95 °C**

Max working pressure: **6 bar**

Fully open length: **32 mm**

Fully closed length: **29 mm**



Code	Size			€
05B008N03	G 1/4 M	10	200	
05B010N03	G 3/8 M	10	200	

## P60

Manual air vent with PTFE seal - nickel plated

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Fully open length: **29 mm**

Fully closed length: **26 mm**



Code	Size			€
P60008N00	G 1/4 M	10	200	
P60010N00	G 3/8 M	10	200	
P60015N00	G 1/2 M	10	200	

## P60.01

Manual air vent - nickel plated

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
P60006N001	G 1/8 M	10	200	
P60008N001	G 1/4 M	10	200	
P60010N001	G 3/8 M	10	200	
P60015N001	G 1/2 M	10	200	

## P60.02

Manual air vent with PTFE seal - nickel plated

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
P60008N002	G 1/4 M	10	200	
P60010N002	G 3/8 M	10	200	

## P71




























Vertical manual deaerator

Max working temperature: **140 °C**

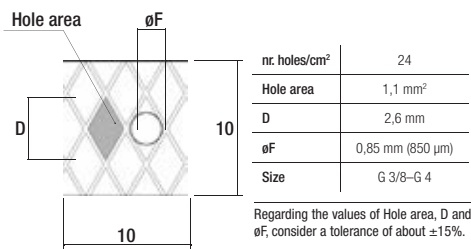
Max working pressure: **10 bar**



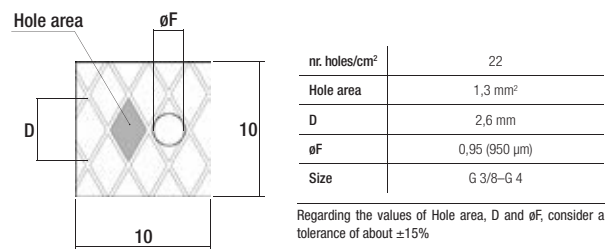
Code	Size			€
P71020000	G 1 M - G 3/4 F	1	28	
P71020000M	G 1 M - G 3/4 M	1	28	
P71022000	G 1 M - 22 mm	1	28	

Code	Size	Plastic obturator	Metal obturator	NBR gasket	VITON gasket	Reinforced body
005	G 1/4-G 4					
020	G 3/8-G 2					
006	G 3/8-G 1 1/4					
007	G 3/8-G 1 1/4					
008	G 3/8-G 1 1/4					
005K	G 1/4-G 4					
020K	G 3/8-G 2					
005KV	G 1/4-G 4					
020KV	G 3/8-G 2					
006KV	G 3/8-G 1 1/4					
007KV	G 3/8-G 1 1/4					
008KV	G 1/2-G 1 1/4					

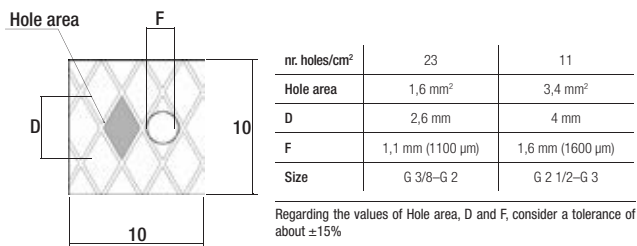
### Mesh TYPE A



### Mesh TYPE B



### Mesh TYPE C





CHECK VALVES  
AND FOOT VALVES

**B07**

## 005

Universal check valve - FF - acetal copolymer obturator - NBR gasket

Max working temperature: **95 °C**  
In compliance with D.M. 174



Code	Size	P [bar]			€
005008000	G 1/4 F	16	30	240	
005010000	G 3/8 F	16	30	240	
005015000	G 1/2 F	16	30	240	
005020000	G 3/4 F	16	18	144	
005025000	G 1 F	16	14	84	
005032000	G 1 1/4 F	10	12	72	
005040000	G 1 1/2 F	10	10	40	
005050000	G 2 F	10	6	36	
005065000	G 2 1/2 F	8	-	15	
005080000	G 3 F	8	-	12	
005100000	G 4 F	8	-	5	

## 005K

Universal check valve - FF - brass obturator - NBR gasket

Max working temperature: **95 °C**



Code	Size	P [bar]			€
005008000K	G 1/4 F	35	30	240	
005010000K	G 3/8 F	35	30	240	
005015000K	G 1/2 F	35	30	240	
005020000K	G 3/4 F	35	18	144	
005025000K	G 1 F	35	14	84	
005032000K	G 1 1/4 F	25	12	72	
005040000K	G 1 1/2 F	25	10	40	
005050000K	G 2 F	25	6	36	
005065000K	G 2 1/2 F	12	-	15	
005080000K	G 3 F	12	-	12	
005100000K	G 4 F	12	-	5	

## 005KV

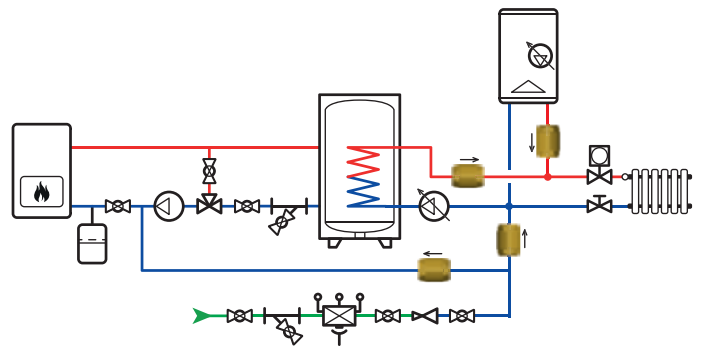
Universal check valve - FF - brass obturator - viton gasket

Max working temperature: **150 °C**



Code	Size	P [bar]			€
005008000KV	G 1/4 F	35	30	240	
005010000KV	G 3/8 F	35	30	240	
005015000KV	G 1/2 F	35	30	240	
005020000KV	G 3/4 F	35	18	144	
005025000KV	G 1 F	35	14	84	
005032000KV	G 1 1/4 F	25	12	72	
005040000KV	G 1 1/2 F	25	10	40	
005050000KV	G 2 F	25	6	36	
005065000KV	G 2 1/2 F	12	-	15	
005080000KV	G 3 F	12	-	12	
005100000KV	G 4 F	12	-	5	

### Use of check valves in closed circuits



## 020

Universal check valve - FF - acetal copolymer obturator - NBR gasket - suitable for high pressure application

Max working temperature: **95 °C**  
In compliance with D.M. 174



Code	Size	P [bar]			€
020010000	G 3/8 F	25	24	192	
020015000	G 1/2 F	25	20	160	
020020000	G 3/4 F	25	12	96	
020025000	G 1 F	25	8	64	
020032000	G 1 1/4 F	18	8	48	
020040000	G 1 1/2 F	18	6	36	
020050000	G 2 F	18	5	20	
005065000	G 2 1/2 F	8	-	15	
005080000	G 3 F	8	-	12	
005100000	G 4 F	8	-	5	

## 020K

Universal check valve - FF - brass obturator - NBR gasket - suitable for high pressure application

Max working temperature: **95 °C**



Code	Size	P [bar]			€
020010000K	G 3/8 F	50	24	192	
020015000K	G 1/2 F	50	20	160	
020020000K	G 3/4 F	50	12	96	
020025000K	G 1 F	50	8	64	
020032000K	G 1 1/4 F	35	8	48	
020040000K	G 1 1/2 F	35	6	36	
020050000K	G 2 F	35	5	20	
005065000K	G 2 1/2 F	12	-	15	
005080000K	G 3 F	12	-	12	
005100000K	G 4 F	12	-	5	



## 020KV

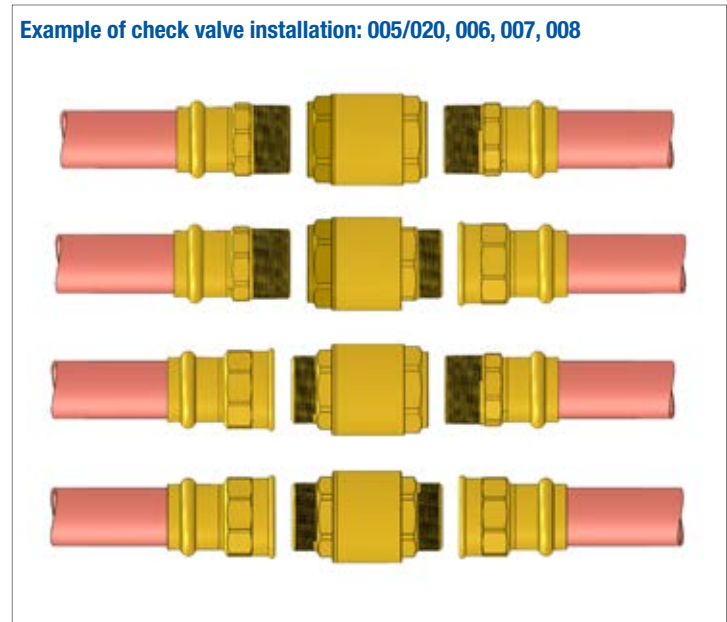
Universal check valve - FF - brass obturator - viton gasket - suitable for high pressure application

Max working temperature: **150 °C**

Code	Size	P [bar]			€
020010000KV	G 3/8 F	50	24	192	
020015000KV	G 1/2 F	50	20	160	
020020000KV	G 3/4 F	50	12	96	
020025000KV	G 1 F	50	8	64	
020032000KV	G 1 1/4 F	35	8	48	
020040000KV	G 1 1/2 F	35	6	36	
020050000KV	G 2 F	35	5	20	
005065000KV	G 2 1/2 F	12	-	15	
005080000KV	G 3 F	12	-	12	
005100000KV	G 4 F	12	-	5	



Example of check valve installation: 005/020, 006, 007, 008



## 006

Universal check valve - FM - acetal copolymer obturator - NBR gasket

Max working temperature: **95 °C**  
In compliance with D.M. 174



Code	Size	P [bar]			€
006010000	G 3/8 F - G 3/8 M	16	30	240	
006015000	G 1/2 F - G 1/2 M	16	25	200	
006020000	G 3/4 F - G 3/4 M	16	16	128	
006025000	G 1 F - G 1 M	16	10	80	
006032000	G 1 1/4 F - G 1 1/4 M	10	6	48	

## 007

Universal check valve - MF - acetal copolymer obturator - NBR gasket

Max working temperature: **95 °C**  
In compliance with D.M. 174



Code	Size	P [bar]			€
007010000	G 3/8 M - G 3/8 F	16	30	240	
007015000	G 1/2 M - G 1/2 F	16	20	160	
007020000	G 3/4 M - G 3/4 F	16	16	128	
007025000	G 1 M - G 1 F	16	10	80	
007032000	G 1 1/4 M - G 1 1/4 F	10	6	48	

## 006KV

Universal check valve - FM - brass obturator - viton gasket

Max working temperature: **150 °C**



Code	Size	P [bar]			€
006010000KV	G 3/8 F - G 3/8 M	35	30	240	
006015000KV	G 1/2 F - G 1/2 M	35	25	200	
006020000KV	G 3/4 F - G 3/4 M	35	16	128	
006025000KV	G 1 F - G 1 M	35	10	80	
006032000KV	G 1 1/4 F - G 1 1/4 M	25	6	48	

## 007KV

Universal check valve - MF - brass obturator - viton gasket

Max working temperature: **150 °C**



Code	Size	P [bar]			€
007010000KV	G 3/8 M - G 3/8 F	35	30	240	
007015000KV	G 1/2 M - G 1/2 F	35	20	160	
007020000KV	G 3/4 M - G 3/4 F	35	16	128	
007025000KV	G 1 M - G 1 F	35	10	80	
007032000KV	G 1 1/4 M - G 1 1/4 F	25	6	48	

## 008

Universal check valve - MM - acetal copolymer obturator - NBR gasket

Max working temperature: **95 °C**  
In compliance with D.M. 174



Code	Size	P [bar]			€
008010000	G 3/8 M	16	30	240	
008015000	G 1/2 M	16	25	200	
008020000	G 3/4 M	16	16	128	
008025000	G 1 M	16	10	80	
008032000	G 1 1/4 M	10	8	48	

## 008KV

Universal check valve - MM - brass obturator - viton gasket

Max working temperature: **150 °C**



Code	Size	P [bar]			€
008015000KV	G 1/2 M	35	25	200	
008020000KV	G 3/4 M	35	16	128	
008025000KV	G 1 M	35	10	80	
008032000KV	G 1 1/4 M	25	8	48	

## 135

Flanged check valve PN 16

Max working temperature: **95 °C**  
Max working pressure: **16 bar**  
Material: **cast iron EN G.JL 250**



Code	Size		€
135050000	DN 50	1	
135065000	DN 65	1	
135080000	DN 80	1	
135100000	DN 100	1	
135125000	DN 125	1	
135150000	DN 150	1	

## 010

Foot valve with integrated stainless steel filter

Max working temperature: 95 °C

Mesh type: *see chapter beginning*



Code	Size	Mesh type	P [bar]			€
010015000	G 1/2 F	A	10	15	180	
010020000	G 3/4 F	A	10	28	168	
010025000	G 1 F	A	10	16	96	
010032000	G 1 1/4 F	A	8	7	42	
010040000	G 1 1/2 F	A	8	6	36	
010050000	G 2 F	A	8	3	18	
010065000	G 2 1/2 F	A	6	-	10	
010080000	G 3 F	A	6	-	6	
010100000	G 4 F	A	6	-	4	

## 029

Stainless steel filter with nylon connection

Max working temperature: 95 °C

Mesh type: *see chapter beginning*



Code	Size	Mesh type			€
029010000	G 3/8 M	B	50	400	
029015000	G 1/2 M	B	35	280	
029020000	G 3/4 M	B	20	160	
029025000	G 1 M	B	25	100	
029032000	G 1 1/4 M	B	20	80	
029040000	G 1 1/2 M	B	10	40	
029050000	G 2 M	B	6	24	
029065000	G 2 1/2 M	B	-	20	
029080000	G 3 M	B	-	10	
029100000	G 4 M	B	-	6	

## 014

Foot valve with interchangeable stainless steel filter - nylon filter connection (code 005 + code 029)

Max working temperature: 95 °C

Mesh type: *see chapter beginning*



Code	Size	Mesh type	P [bar]			€
014010000	G 3/8 F	B	16	25	300	
014015000	G 1/2 F	B	16	20	240	
014020000	G 3/4 F	B	16	15	135	
014025000	G 1 F	B	16	14	84	
014032000	G 1 1/4 F	B	10	7	42	
014040000	G 1 1/2 F	B	10	5	30	
014050000	G 2 F	B	10	3	18	
014065000	G 2 1/2 F	B	8	-	9	
014080000	G 3 F	B	8	-	6	
014100000	G 4 F	B	8	-	4	

## 015

Foot valve with interchangeable stainless steel filter - brass filter connection (code 005 + code 030)

Max working temperature: 95 °C

Mesh type: *see chapter beginning*



Code	Size	Mesh type	P [bar]			€
015010000	G 3/8 F	A	16	25	200	
015015000	G 1/2 F	A	16	20	160	
015020000	G 3/4 F	A	16	15	135	
015025000	G 1 F	A	16	14	84	
015032000	G 1 1/4 F	A	10	6	36	
015040000	G 1 1/2 F	A	10	5	30	
015050000	G 2 F	A	10	3	18	
015065000	G 2 1/2 F	A	8	-	9	
015080000	G 3 F	A	8	-	6	
015100000	G 4 F	A	8	-	4	



## O24

Foot valve for high pressure with interchangeable stainless steel filter - nylon filter connection (code O20 + code O29)

Max working temperature: **95 °C**

Mesh type: **see chapter beginning**



Code	Size	Mesh type	P [bar]			€
024010000	G 3/8 F	B	25	15	120	
024015000	G 1/2 F	B	25	15	120	
024020000	G 3/4 F	B	25	14	84	
024025000	G 1 F	B	25	6	54	
024032000	G 1 1/4 F	B	18	5	30	
024040000	G 1 1/2 F	B	18	4	24	
024050000	G 2 F	B	18	3	18	

## O25

Foot valve for high pressure with interchangeable stainless steel filter - brass filter connection (code O20 + code O30)

Max working temperature: **95 °C**

Mesh type: **see chapter beginning**



Code	Size	Mesh type	P [bar]			€
025010000	G 3/8 F	A	25	24	192	
025015000	G 1/2 F	A	25	12	144	
025020000	G 3/4 F	A	25	14	84	
025025000	G 1 F	A	25	8	48	
025032000	G 1 1/4 F	A	18	5	30	
025040000	G 1 1/2 F	A	18	4	24	
025050000	G 2 F	A	18	3	12	

## V39

Foot valve for high pressure with brass obturator, interchangeable stainless steel filter - nylon filter connection (code O20K + code O29). For sizes G 2 1/2–G4: code O05K + code O29).

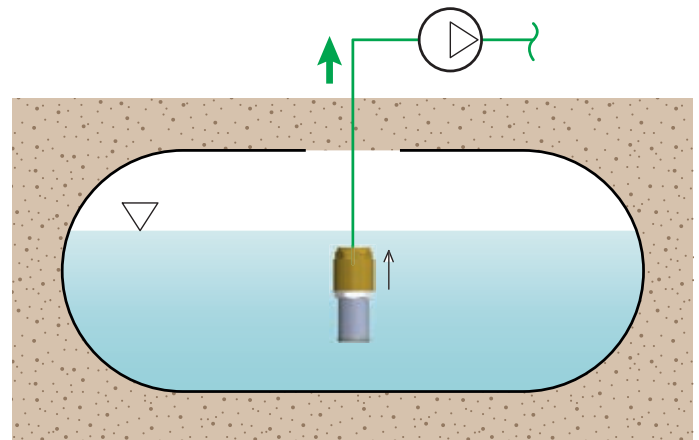
Max working temperature: **95 °C**

Mesh type: **see chapter beginning**



Code	Size	Mesh type	P [bar]			€
V39010000	G 3/8 F	B	50	15	120	
V39015000	G 1/2 F	B	50	14	42	
V39020000	G 3/4 F	B	50	14	84	
V39025000	G 1 F	B	50	6	36	
V39032000	G 1 1/4 F	B	35	5	20	
V39040000	G 1 1/2 F	B	35	4	16	
V39050000	G 2 F	B	35	3	12	
V39065000	G 2 1/2 F	B	12	-	9	
V39080000	G 3 F	B	12	-	6	
V39100000	G 4 F	B	12	-	4	

### Use of foot valves



## 045

Tubular foot valve

Max working temperature: **90 °C**



Code	Size	P [bar]			€
045020000	G 3/4 F	10	12	96	
045025000	G 1 F	10	12	72	
045032000	G 1 1/4 F	8	6	36	
045040000	G 1 1/2 F	8	5	30	
045050000	G 2 F	8	4	24	
045065000	G 2 1/2 F	8	-	12	
045080000	G 3 F	6	-	5	
045100000	G 4 F	6	-	3	

## 153

Foot valve for viscous fluids - metal seal with double ball

Max working temperature: **100 °C**

Max working pressure: **6 bar**



Code	Size			€
153010000	G 3/8 F	35	280	
153015000	G 1/2 F	25	200	

## 040

Foot valve with stainless steel filter

Working temperature range: **0-90 °C**

Mesh size: **2,4 mm**



Code	Size	P [bar]			€
040015000	G 1/2 F	10	12	96	
040020000	G 3/4 F	10	12	96	
040025000	G 1 F	10	12	72	
040032000	G 1 1/4 F	8	5	45	
040040000	G 1 1/2 F	8	6	36	
040050000	G 2 F	8	4	24	
040065000	G 2 1/2 F	6	-	12	
040080000	G 3 F	6	-	10	
040100000	G 4 F	6	-	5	

## 030

Stainless steel filter with brass connection

Max working temperature: **140 °C**

Mesh type: **see chapter beginning**



Code	Size	Mesh type			€
030010000	G 3/8 M	A	50	400	
030015000	G 1/2 M	A	35	280	
030020000	G 3/4 M	A	20	160	
030025000	G 1 M	A	25	100	
030032000	G 1 1/4 M	A	20	80	
030040000	G 1 1/2 M	A	10	40	
030050000	G 2 M	A	6	24	
030065000	G 2 1/2 M	A	-	20	
030080000	G 3 M	A	-	10	
030100000	G 4 M	A	-	6	

## 028

Stainless steel filter with stainless steel connection, both in AISI 316

Max working temperature: **140 °C**

Mesh type: **see chapter beginning**



Code	Size	Mesh type			€
028010000	G 3/8 M	C	50	400	
028015000	G 1/2 M	C	35	280	
028020000	G 3/4 M	C	20	160	
028025000	G 1 M	C	12	96	
028032000	G 1 1/4 M	C	9	72	
028040000	G 1 1/2 M	C	10	40	
028050000	G 2 M	C	6	24	
028065000	G 2 1/2 M	C	4	16	
028080000	G 3 M	C	-	11	
028100000	G 4 M	C	-	6	

## 060

Swing check valve FF - rubber seal

Max working temperature: **95 °C**

Sizes 5" and 6" in bronze



Code	Size	P [bar]			€
060010000	G 3/8 F	16	15	120	
060015000	G 1/2 F	16	20	160	
060020000	G 3/4 F	16	10	120	
060025000	G 1 F	16	10	60	
060032000	G 1 1/4 F	16	10	40	
060040000	G 1 1/2 F	16	6	36	
060050000	G 2 F	16	4	24	
060065000	G 2 1/2 F	16	-	12	
060080000	G 3 F	16	-	10	
060100000	G 4 F	10	-	4	
060125000	G 5 F	10	-	2	
060150000	G 6 F	10	-	1	

## 080

Swing check valve FF - metal seal

Max working temperature: **95 °C**

Sizes 5" and 6" in bronze



Code	Size	P [bar]			€
080010000	G 3/8 F	16	15	120	
080015000	G 1/2 F	16	20	160	
080020000	G 3/4 F	16	10	120	
080025000	G 1 F	16	10	60	
080032000	G 1 1/4 F	16	10	40	
080040000	G 1 1/2 F	16	6	36	
080050000	G 2 F	16	4	24	
080065000	G 2 1/2 F	16	-	12	
080080000	G 3 F	16	-	10	
080100000	G 4 F	10	-	4	
080125000	G 5 F	10	-	2	
080150000	G 6 F	10	-	1	

## 125

Wafer inter-flanged swing check valve PN 16

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Material: **ASTM A351 gr CF8M**



Code	Size		€
125050000	DN 50	1	
125065000	DN 65	1	
125080000	DN 80	1	
125100000	DN 100	1	
125125000	DN 125	1	
125150000	DN 150	1	
125200000	DN 200	1	
125250000	DN 250	1	

## Y77

Compact check valve with running nut - flat gasket

Max working temperature: **110 °C**

Max working pressure: **16 bar**



Code	Size			€
Y77A20000	G 3/4 RN - G 3/4 M	20	80	
Y77A25000	G 1 RN - G 1 M	20	80	

## 192

Check valve with pump connection and check valve override device

Max working temperature: **95 °C**

Max working pressure: **16 bar**



Code	Size			€
192025000	G 1 1/2 RN - G 1 M	-	80	

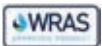
## 172

Double check valve with intermediate pressure test port connection and two compression ends - DZR brass

Max working temperature: **95 °C**

Max working pressure: **16 bar**

WRAS certification: **172015000**



Code	Size			€
172015000	15 mm	-	150	

## 191.2

Check valve with running nut and check valve override device - check valve insert

Max working temperature: **95 °C**

Max working pressure: **16 bar**



Code	Size			€
1910250002	G 1 RN - G 1 M	10	40	

## P34

Compact check valve - MF

Max working temperature: **85 °C**

Max working pressure: **16 bar**



Code	Size			€
P34015000	G 1/2 M - G 1/2 F	50	400	
P34020000	G 3/4 M - G 3/4 F	40	160	
P34025000	G 1 M - G 1 F	15	120	

## P33

Compact check valve - FM

Max working temperature: **85 °C**

Max working pressure: **16 bar**



Code	Size			€
P33015000	G 1/2 F - G 1/2 M	50	400	
P33020000	G 3/4 F - G 3/4 M	40	160	
P33025000	G 1 F - G 1 M	15	120	

## 179

Compact check valve - MF - with knurling - chrome plated

Max working temperature: **95 °C**

Max working pressure: **16 bar**



Code	Size			€
179015C00	G 1/2 M - G 1/2 F	-	300	

## 178

Compact check valve - FM - with knurling - chrome plated

Max working temperature: **95 °C**

Max working pressure: **16 bar**



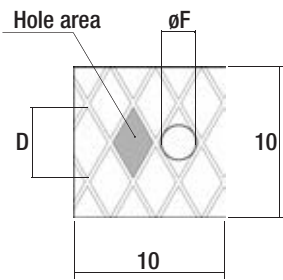
Code	Size			€
178015C00	G 1/2 F - G 1/2 M	-	300	
178020C00	G 3/4 F - G 3/4 M	-	200	



FILTERS  
AND DIRT  
SEPARATORS

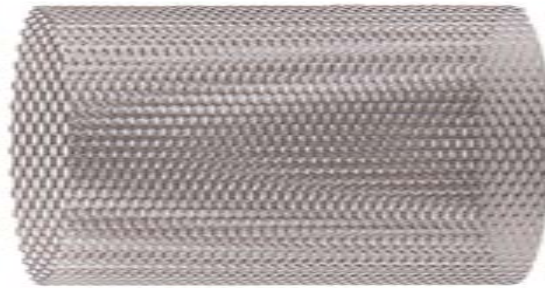
**B08**

## Type A: STANDARD CARTRIDGES

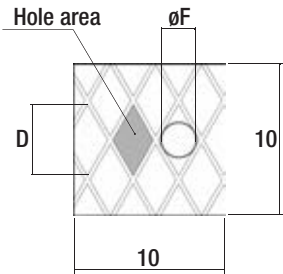


		ON REQUEST	ON REQUEST
nr. holes/cm <sup>2</sup>	70	270	24
Hole area	0,25 mm <sup>2</sup>	0,025 mm <sup>2</sup>	1,0 mm <sup>2</sup>
D	1,0 mm	0,5 mm	2,0 mm
øF	0,50 mm (500 µm)	0,3 mm (300 µm)	1,0 mm (1000 µm)
Size	G 1/4-G 2 1/2	G 1/2-G2	G 1/2-G 2

Regarding the values of Hole area, D and øF, consider a tolerance of about ±15%



## Type B: STANDARD CARTRIDGES



nr. holes/cm <sup>2</sup>	65	70	50
Hole area	0,18 mm <sup>2</sup>	0,25 mm <sup>2</sup>	0,64 mm <sup>2</sup>
D	1,0 mm	1,0 mm	1,0 mm
øF	0,40 mm (400 µm)	0,50 mm (500 µm)	0,80 mm (800 µm)
Size	G 3/8-G 1	G 1 1/4-G 2	G 2 1/2-G 4

Regarding the values of Hole area, D and øF, consider a tolerance of about ±15%



# V72.P

# DR-3

Under-boiler filter and magnetic dirt separator. Complete with upstream shut-off valve and fitting for boiler connection. Technopolymer body.

Working temperature range: **0-90 °C**  
 Max working pressure: **3 bar**  
 Mesh size: **0,8 mm**

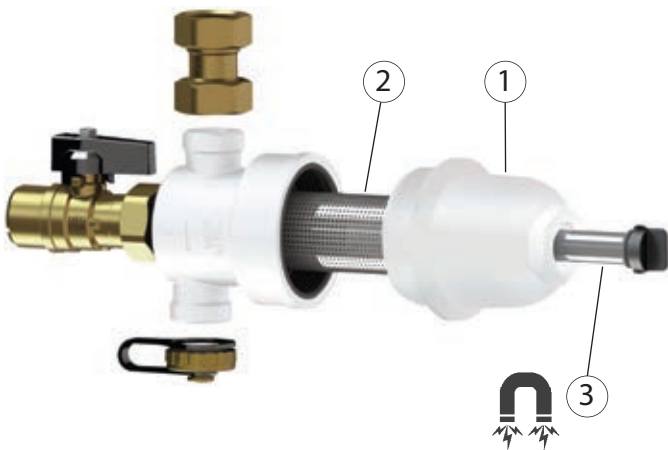


Code	Size	Finish	Kv			€
V72P20020	G 3/4 M - G 3/4 RN - G 3/4 M	White	5,3	1	6	
V72P20030	G 3/4 M - G 3/4 RN - G 3/4 M	Black	5,3	1	6	

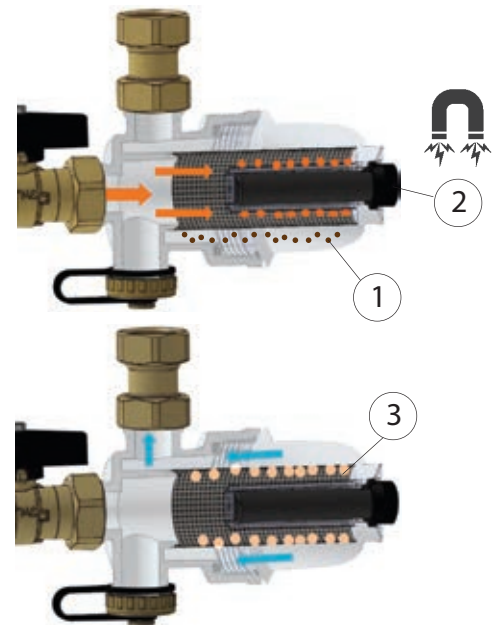
### Components of the under-boiler filter and magnetic dirt separator DR-3

### Working way

## DR-3



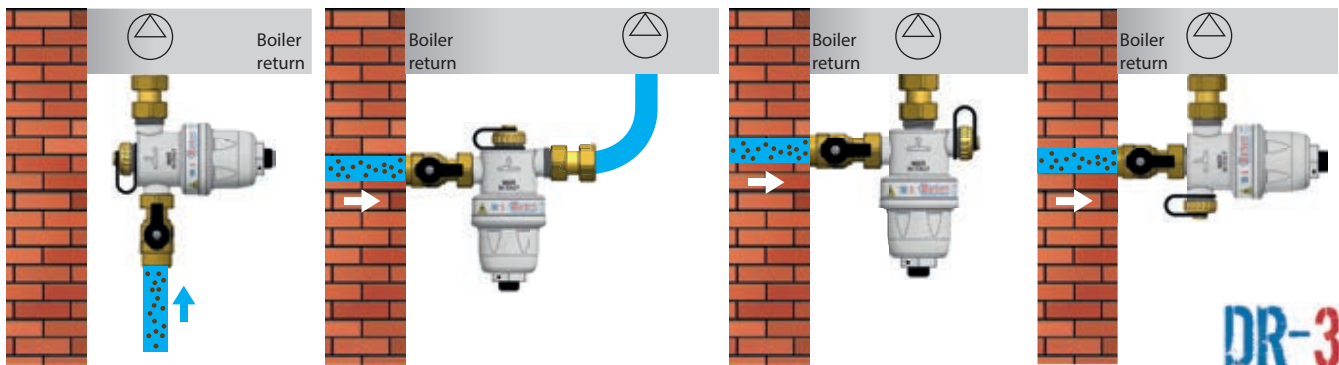
## DR-3



Components of the under-boiler filter and magnetic dirt separator DR-3: (1) dirt separator, (2) filter, (3) magnet.

The fluid cleaning is performed through these actions:  
 (1) decantation in the dirt separator  
 (2) holding of the ferromagnetic particles by the magnet  
 (3) mechanical filtration through the filter mesh.

### Installation positions



## V73.D

DR-4

Filter and magnetic dirt separator. Technopolymer body, brass tee-fitting. Complete with cyclonic action filter, interchangeable cartridge and adjustable tee for horizontal, vertical and 45° installation. G 1 1/4 F version with by-pass on the T-fitting to modulate the flow-rate diverted towards the dirt separator body.

Working temperature range: 0–90 °C

Max working pressure: 3 bar

Mesh size: 0,5 mm + 0,8 mm



Code	Size	Kv			€
V73D20010	G 3/4 F	6,6	1	6	
V73D25010	G 1 F	6,9	1	6	
V73D32010	G 1 1/4 F	7,4-15,1	1	6	

## V73.P

DR-4

Filter and magnetic dirt separator with technopolymer body. Complete with cyclonic action filter, interchangeable cartridge, adjustable tee for horizontal, vertical and 45° installation, shut-off valves.

Working temperature range: 0–90 °C

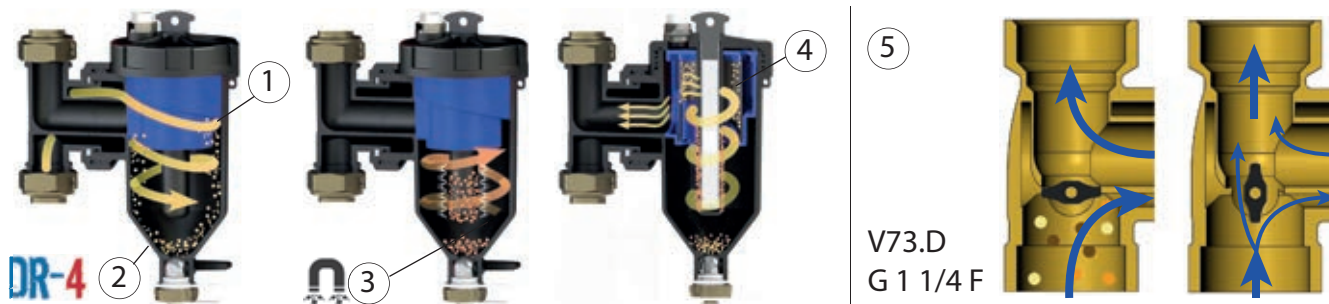
Max working pressure: 3 bar

Mesh size: 0,5 mm + 0,8 mm



Code	Size	Kv			€
V73P20020	G 3/4 F	6,4	1	6	
V73P25020	G 1 F	6,7	1	6	

### Working way



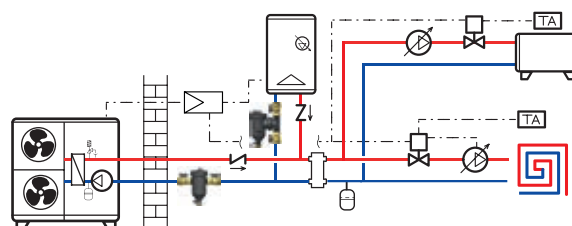
The fluid cleaning is performed through these actions:

- (1) action of the cyclonic filter
- (2) decantation in the dirt separator
- (3) holding of the ferromagnetic particles by the magnet
- (4) mechanical filtration through the filter mesh.
- (5) 1 1/4" by-pass: closed for initial cleaning/open for continuous operation and high Kv

### Installation positions



### Horizontal (with heat pump) and vertical (with boiler) installation





## 57D

Insulation for V73 filter and magnetic dirt separators

Material: **EPP**



Code		Size			€
57D0000001	<b>NEW</b>	for G 3/4 F, G 1 F	1	-	
57D0000002	<b>NEW</b>	for G 1 1/4 F	1	-	

## V74.P

Under-boiler filter and magnetic dirt separator with compact body. Complete with upstream shut-off valve and fitting for boiler connection. Technopolymer body

Working temperature range: **4–90 °C**

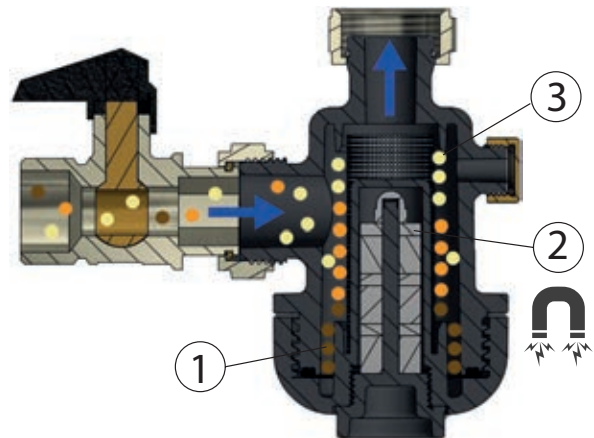
Max working pressure: **6 bar**

Mesh size: **0,8 mm**



Code		Size	Kv			€
V74P20N30	<b>TBS</b>	G 3/4 M - G 3/4 RN - G 1/8 M	5,3	1	-	

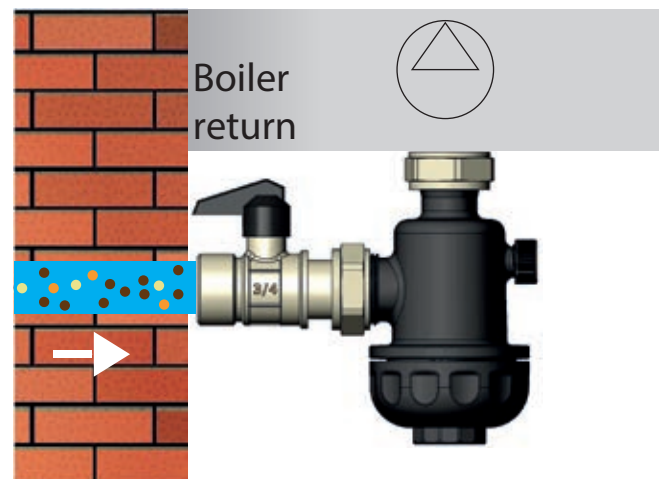
### Working way



The fluid cleaning is performed through these actions:

- (1) decantation in the dirt separator
- (2) holding of the ferromagnetic particles by the magnet
- (3) mechanical filtration through the filter mesh.

### Installation position





## 050

Brass Y-filter (3" and 4" versions in bronze) - FF - stainless steel filtering cartridge

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Mesh type: **see chapter beginning**

ACS certification: **1/4", 3/8", 1/2", 3/4", 1", 1 1/4"**

For sizes 3" and 4" see code 049



Code	Size	Kv	Mesh type			€
050008000	G 1/4 F	1,6	A	20	160	
050010000	G 3/8 F	3	A	25	200	
050015000	G 1/2 F	4,5	A	20	160	
050020000	G 3/4 F	7	A	14	84	
050025000	G 1 F	7,8	A	10	60	
050032000	G 1 1/4 F	15	A	5	30	
050040000	G 1 1/2 F	21	A	4	24	
050050000	G 2 F	34	A	2	12	
050065000	G 2 1/2 F	64	A	-	8	
049080000	G 3 F	81	B	-	5	
049100000	G 4 F	102	B	-	2	

## 049

Bronze Y-filter - FF - stainless steel filtering cartridge

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Mesh type: **see chapter beginning**



Code	Size	Kv	Mesh type			€
049010000	G 3/8 F	1,4	B	10	80	
049015000	G 1/2 F	3,3	B	10	80	
049020000	G 3/4 F	5,6	B	15	60	
049025000	G 1 F	7,9	B	10	40	
049032000	G 1 1/4 F	12,9	B	5	30	
049040000	G 1 1/2 F	15,8	B	4	24	
049050000	G 2 F	19	B	2	12	
049065000	G 2 1/2 F	55	B	-	8	
049080000	G 3 F	81	B	-	5	
049100000	G 4 F	102	B	-	2	

## 050.2

Stainless steel spare filtering cartridges for code 050, P21, P22.

Mesh type: **see chapter beginning**



Code	Size	Mesh type			€
050015002	for filter G 1/4 F, G 3/8 F, G 1/2 F	A	-	-	
050020002	for filter G 3/4 F	A	-	-	
050025002	for filter G 1 F	A	-	-	
050032002	for filter G 1 1/4 F	A	-	-	
050040002	for filter G 1 1/2 F	A	-	-	
050050002	for filter G 2 F	A	-	-	
050065002	for filter G 2 1/2 F	A	-	-	
050080002	for filter G 3 F	B	-	-	
050100002	for filter G 4 F	B	-	-	

## 049.1

Stainless steel spare filtering cartridges for code 049

Mesh type: **see chapter beginning**



Code	Size	Mesh type			€
049015001	for filter G 3/8 F, G 1/2 F	B	-	-	
049020001	for filter G 3/4 F	B	-	-	
049025001	for filter G 1 F	B	-	-	
049032001	for filter G 1 1/4 F	B	-	-	
049040001	for filter G 1 1/2 F	B	-	-	
049050001	for filter G 2 F	B	-	-	
049065001	for filter G 2 1/2 F	B	-	-	
050080002	for filter G 3 F	B	-	-	
050100002	for filter G 4 F	B	-	-	

## P21

Brass compact Y-filter - MM - stainless steel filtering cartridge. With flat seat for installation in box.

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Mesh type: **see chapter beginning**



Code	Size	Kv	Mesh type			€
P21015000	G 1/2 M	2,75	A	20	160	
P21020000	G 3/4 M	4,75	A	14	84	
P21025000	G 1 M	7,3	A	10	60	
P21032000	G 1 1/4 M	16	A	5	20	

## 053A

DZR brass Y-filter - MM - stainless steel filtering cartridge

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Mesh type: **see chapter beginning**



Code	Size	Mesh type			€
053A20000	G 3/4 M	A	20	80	

## P22

Brass compact Y-filter - MM - complete with threaded G 1/2 probe holder plug. With flat seat for installation in box.

Max working temperature: **95 °C**

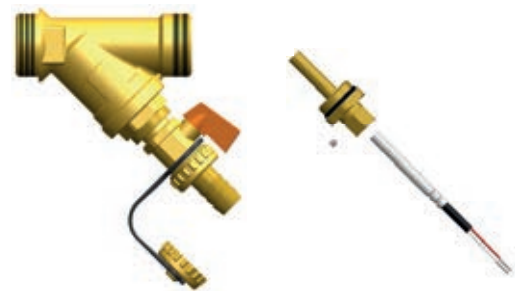
Max working pressure: **16 bar**

Mesh type: **see chapter beginning**



Code	Size	Kv	Mesh type			€
P22015000	G 1/2 M	2,75	A	20	160	
P22020000	G 3/4 M	4,75	A	14	84	
P22025000	G 1 M	7,3	A	10	60	
P22032000	G 1 1/4 M	16	A	5	20	

### Coupling of P22 filter to P32 cock or P28.I4 pocket



## P28.I4

Immersion probe pocket - seal on fitting

Max working temperature: **95 °C**

Max working pressure: **16 bar**

Probe diameter: **6 mm**



Code	Size			€
P28015000I4	G 1/2 M	10	50	



## V70

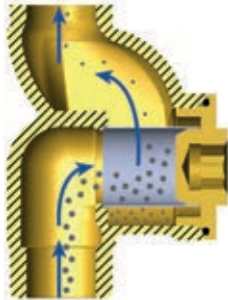
DZR brass compact T-filter - MM - stainless steel filtering cartridge

Max working temperature: **110 °C**  
 Max working pressure: **25 bar**  
 Mesh type: **see chapter beginning**



Code	Size	Mesh type	Mesh size [mm]	DN			€
V70A20000	G 3/4 M	A	0,5	20	20	40	
V70A2000001	G 3/4 M	A	0,1	20	20	40	
V70A2000003	G 3/4 M	A	0,3	20	20	40	

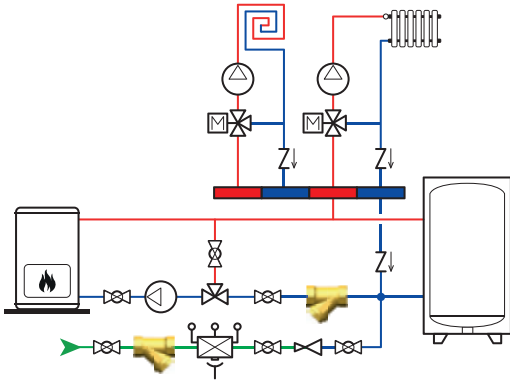
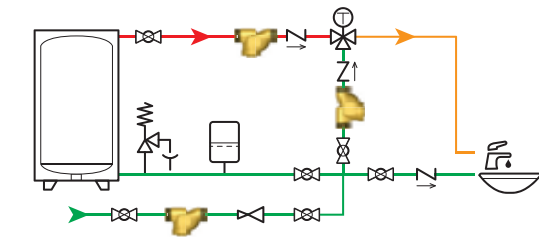
### Operating principle of V70 filter in vertical



#### Advantages of V70 filter:

- T-shape compact body
- suitable also for vertical pipe, preferably with upward flow direction: the body T-shape makes the particles accumulate between the mesh and the body itself, limiting their backflow.

### Use of V70 filter in DHW system - Use of filters in closed circuits



## V71.B

Self-cleaning filter for thermal and domestic hot water systems. Complete with G 1/4 F front and rear pressure test port. 4 in 1 threaded connections.

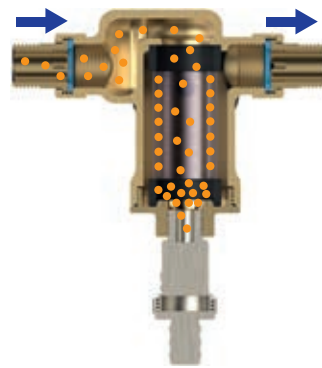
Max upstream pressure: **25 bar**  
 Max working temperature: **110 °C**  
 \*4 in 1 connections: **(G 3/4 M+G 1/2 F)+ (G 3/4 RN+G 1/2 M)**  
 In compliance with D.M. 174



Code	Size	Mesh size [mm]			€
V71B1500003	G 1/2 M*	0,3	1	6	
V71B1500001	G 1/2 M*	0,1	1	6	

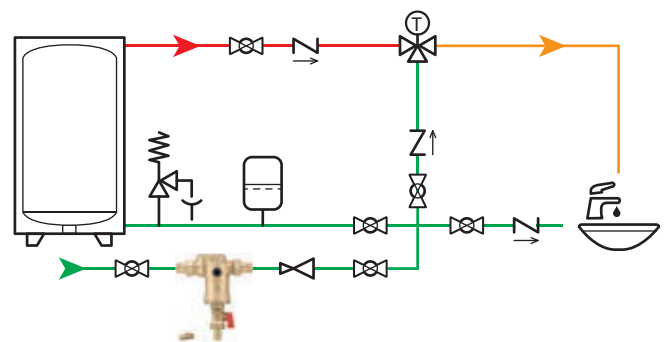
### Working way

\*4 in 1 connections: 4 ways to connect the filter to the pipe



The particles, accumulating on the mesh and at the bottom of the body, can be removed by opening the discharge valve.

### Application at the entrance of the domestic water system



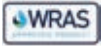
# 54D

Water hammer arrestor

Max water hammer peak: **50 bar**

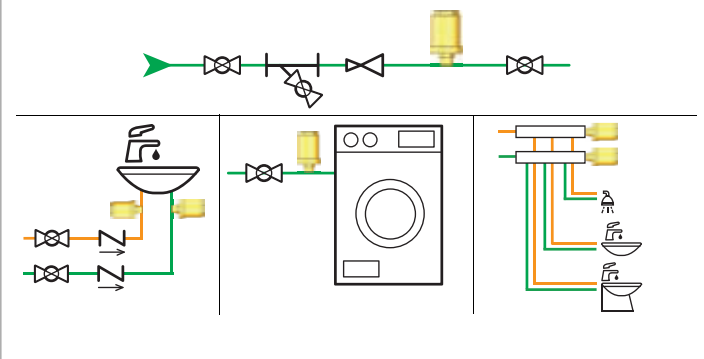
Max working temperature: **90 °C**

Max working pressure: **10 bar**

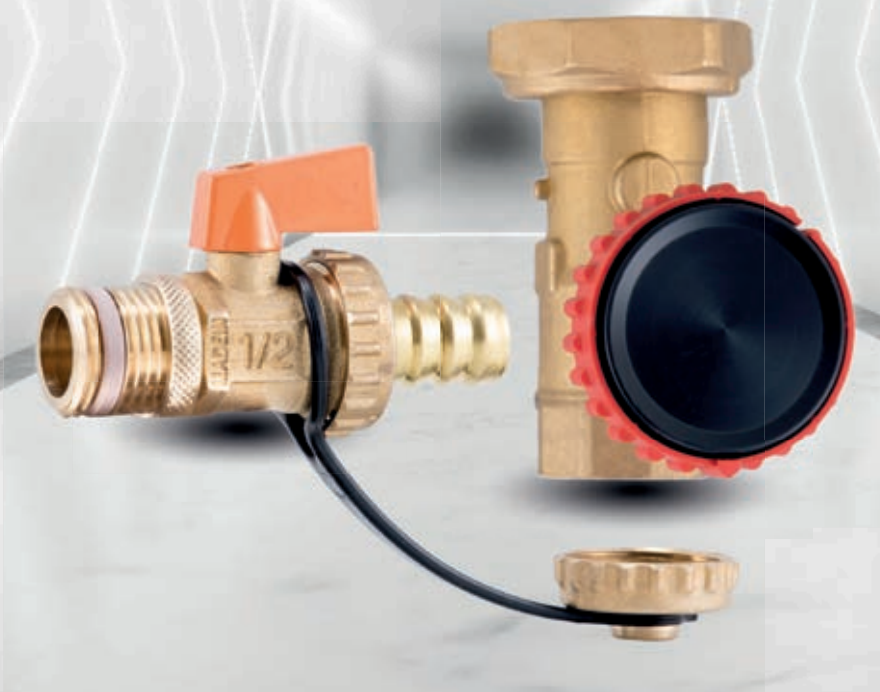


Code	Size			€
54DM15000	G 1/2 M	1	22	

**54D: at the inlet of the domestic water system/under sink/at the washing machine inlet/on the manifolds**







BALL SHUT-OFF  
VALVES  
AND COCKS

**B09**



## 215-219

Boiler drain ball shut-off valve - male connection - nickel plated

Max working temperature: **95 °C**

Max working pressure: **16 bar**



Code	Size			€
215015N00	G 1/2 M	-	100	
219020N00	G 3/4 M	-	100	

## 217-221

Boiler drain ball shut-off valve - female connection - nickel plated

Max working temperature: **95 °C**

Max working pressure: **16 bar**



Code	Size			€
217015N00	G 1/2 F	-	100	
221020N00	G 3/4 F	-	100	

## P90

Ball shut-off valve with running nut and flat gasket - female connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
P90025N00	G 1 F - G 1 RN	2	24	

## P91.0

Pair of ball shut-off valves. Red and blue handle, with female and union connections.

Working temperature range: **-20-120 °C**

Max working pressure: **30 bar**



Code	Size	Knob colour			€
P91020N01011	G 3/4 F - G 3/4 M	red/blu	10	20	

## 39D

Ball shut-off valve with pump connection - male connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
39D020000R	G 1 1/2 RN - G 1 1/2 M	black	-	25	

## 50D.M50

Ball shut-off valve with pump connection with possibility of temperature gauge integration - male connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
50DM50000R	G 2 RN - G 2 M	red	-	25	

## 38D.1T

Ball shut-off valve with pump connection with possibility of temperature gauge integration - DN 25 - female connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250001T	G 1 1/2 RN - G 1 F	red	-	16	

## 39D.DN20

Ball shut-off valve with pump connection - male connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Knob colour			€
39D0200001	G 1 RN - G 1 M	black	-	25	



## P40

*Compact ball shut-off valve with pump connection and compression end*

Max working temperature: **95 °C**

Max working pressure: **6 bar**



Code	Size			€
P40022000	G 1 1/2 RN - 22 mm	6	48	
P40028000	G 1 1/2 RN - 28 mm	6	48	

## P41

*Compact ball shut-off valve with pump connection and female connection*

Max working temperature: **95 °C**

Max working pressure: **6 bar**



Code	Size			€
P41025000	G 1 1/2 RN - G 1 F	6	48	

## P41.I2

*2 compact ball shut-off valves with pump connection and female connection*

Max working temperature: **95 °C**

Max working pressure: **6 bar**



Code	Size			€
P41025000I2	G 1 1/2 RN - G 1 F	6	36	

## W09

Drain cock with adjustable plastic hose connection (hose diameter lower than 11 mm)

Max working temperature: **80 °C**

Max working pressure: **4 bar**



Code	Size			€
W09010N00	G 3/8 M	30	600	

## P59

Drain cock with adjustable plastic hose connection - with knob (hose diameter lower than 9 mm)

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
P59008N00	G 1/4 M	30	600	
P59010N00	G 3/8 M	30	600	

## P82

Drain ball cock - with hose connection and plug

Max working temperature: **95 °C**

Max working pressure: **16 bar**



Code	Size			€
P82015N00	G 1/2 M - G 3/4 M	10	40	

## P32

Ball drain cock for solar thermal systems - with 15 mm hose connection and plug

Max working temperature: **150 °C**

Max working pressure: **16 bar**



Code	Size			€
P32015000	G 1/2 M	10	40	

## 175.17

Brass hose connection

Max working temperature: **95 °C**



Code	Size			€
1750150171	G 3/4 F	1	-	

## 650

Plug with collar (code xxx xxx Nxx nickel-plated)

Max working temperature: **95 °C**



Code	Size			€
650015000	G 1/2 F	1	-	
650020000	G 3/4 F	1	-	
650015N00	G 1/2 F	1	-	
650020N00	G 3/4 F	1	-	



MONOBLOCS

**B10**



## 700F

Monobloc "SUN" (ball shut-off valve + filter) - butterfly handle (on request: lever handle and nickel plated)

Max working temperature: **95 °C**  
 Max working pressure: **16 bar**



Code	Size	Knob colour			€
7000150B0FA0	G 1/2 F	red	-	50	
7000200B0FA0	G 3/4 F	red	-	25	
7000250B0FA0	G 1 F	red	-	20	

## 720F

Monobloc "MAGNUM" (ball shut-off valve + filter + check valve) - butterfly handle (on request: lever handle and nickel plated)

Max working temperature: **95 °C**  
 Max working pressure: **16 bar**



Code	Size	Knob colour			€
7200150B0FA0	DN 15 - G 1/2 F	red	1	50	
7200200B0FA0	DN 20 - G 3/4 F	red	1	25	
7200250B0FA0	DN 25 - G 1 F	red	1	20	

## 660F

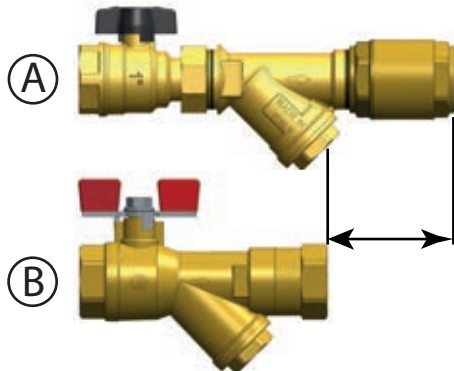
90° monobloc (ball shut-off valve + filter + check valve) with removable running nut - female connection - air vent connection - butterfly handle - DZR brass - nickel plated

Max working temperature: **95 °C**  
 Max working pressure: **16 bar**



Code	Size	Knob colour		€
660A10NBSFLO	DN 10 - G 1/2 F - G 3/4 RN	red	50	
660A10NBSFM0	DN 10 - G 1/2 F - G 3/4 RN	blue	50	
660A15NBSFA0	DN 15 - G 1/2 F - G 3/4 RN	red	50	
660A15NBSFB0	DN 15 - G 1/2 F - G 3/4 RN	blue	50	
660A20NBSFA0	DN 20 - G 3/4 F - G 1 RN	red	25	
660A20NBSFB0	DN 20 - G 3/4 F - G 1 RN	blue	25	
660A25NBSFA0	DN 25 - G 1 F - G 1 1/4 RN	red	20	
660A25NBSFB0	DN 25 - G 1 F - G 1 1/4 RN	blue	20	

### A) Installation with single devices - B) Monobloc with the same functions



Advantages of the monoblocs: reduced installation space, less hydraulic connections to be made, faster installation.

## 38D.DN25

Monobloc with pump connection (ball shut-off valve + temperature gauge + 2 side connections) - temperature gauge 0-120 °C - DN 25

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D025000	G 1 1/2 RN - G 1 F	red	-	16	

## 38D.DN32

Monobloc with pump connection (ball shut-off valve + temperature gauge) - temperature gauge 0-120 °C - DN 32

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D032000	G 2 RN - G 1 1/4 F	red	-	16	

## 38D.1T

Ball shut-off valve with pump connection with possibility of temperature gauge integration - DN 25 - female connection

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250001T	G 1 1/2 RN - G 1 F	red	-	16	

## 38D.1

Monobloc with pump connection (ball shut-off valve + temperature gauge) - temperature gauge 0-120 °C - DN 25

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250001	G 1 1/2 RN - G 1 F	red	-	16	

## 38D.2

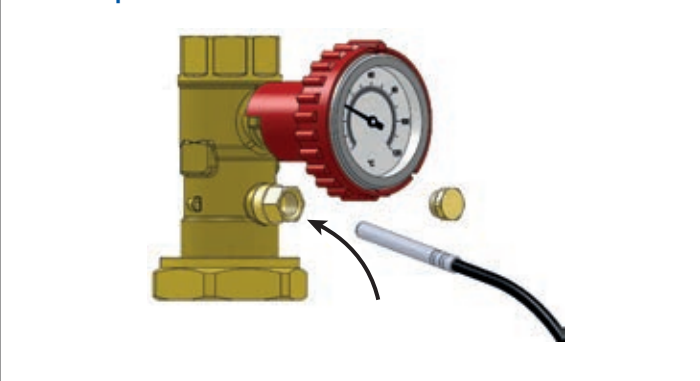
Monobloc with pump connection (ball shut-off valve + temperature gauge + probe connection) - temperature gauge 0-120 °C - DN 25

Max working temperature: **95 °C**  
Max working pressure: **10 bar**



Code	Size	Knob colour			€
38D0250002	G 1 1/2 RN - G 1 F	red	-	16	

### Immersion probe installation



## 37D.DN25

Monobloc with pump connection (ball shut-off valve + temperature gauge + 2 side connections + check valve + check valve override) - temperature gauge 0–120 °C - DN 25

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D025000	G 1 F - G 1 1/2 RN	blue	-	16	

## 37D.1

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + check valve override) - temperature gauge 0–120 °C - DN 25

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D0250001	G 1 F - G 1 1/2 RN	blue	-	16	

## 37D.DN32

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve) - temperature gauge 0–120 °C - DN 32

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D032000	G 1 1/4 F - G 2 RN	blue	-	16	

## 06D

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + holes for brackets) - temperature gauge 0–160 °C (32–320 °F) - red knob

Max working temperature: **140 °C**  
 Max working pressure: **10 bar**



Code	Size	Knob colour			€
06D020000R	G 3/4 F - G 1 RN	red	-	24	

## 37D.1T

Monobloc with pump connection (ball shut-off valve + check valve + check valve override) - with possibility of temperature gauge integration - DN 25

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	Knob colour			€
37D0250001T	G 1 F - G 1 1/2 RN	blue	-	16	

## 07D

Monobloc with pump connection (ball shut-off valve + temperature gauge + check valve + holes for brackets + check valve override + side connection) - temperature gauge 0–160 °C (32–320 °F) - blue handle

Max working temperature: **140 °C**  
 Max working pressure: **10 bar**



Code	Size	Knob colour			€
07D020000	G 1 RN - G 3/4 F	blue	-	24	

## P99

Monobloc (double ball shut-off valve + check valve) with intermediate pressure test port connection - compression ends - DZR brass



Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size			€
P99A15000	DN 10 - 15 mm	12	72	

## 425

"SIRIO" monobloc (ball shut-off valve + double check valve) with intermediate pressure test port connection - compression ends - DZR brass - nickel plated



Max working temperature: **85 °C**

KUKreg4 certification

Code	Size	Knob colour	P [bar]	DN			€
425A10N00	DN 8 - 15 mm	black	8	8	-	150	
425A15N00	DN 10 - 15 mm	black	10	10	-	100	

## 800

Filling loop complete with ball shut-off valve + flexible pipe 400 mm + double check valve - nickel plated



Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	DN			€
800015000	DN 10 - 15 mm	10	-	50	

## W10.1

Filling loop complete with ball shut-off valve with handle + flexible pipe 400 mm + monobloc "SIRIO" - nickel plated



Max working temperature: **85 °C**

Code	Size	Knob colour	P [bar]	DN			€
W10010N001	DN 8 - 15 mm	black	8	8	-	40	
W10015N001	DN 10 - 15 mm	black	10	10	-	40	





RADIATOR  
VALVES

**B11**

## B1A

Angled manual valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1AH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1AL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1AF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	10	50	
B1AH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1AL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	
B1AL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



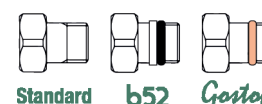
## B1C

Angled thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1CH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	5	50	
B1CL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	5	50	
B1CF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	5	50	
B1CH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	5	50	
B1CL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	5	50	
B1CL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



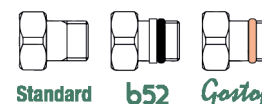
## B1D

Angled thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1DH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	5	50	
B1DL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	5	50	
B1DF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	5	50	
B1DH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	5	50	
B1DL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	5	50	
B1DL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



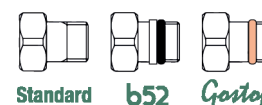
## B1B

Angled lockshield valve, steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1BH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1BL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1BF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	10	50	
B1BH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1BL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	
B1BL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



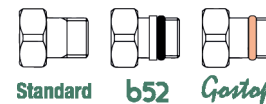
## B1E

*Straight manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1EH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1EL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1EF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	10	50	
B1EH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1EL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	
B1EL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



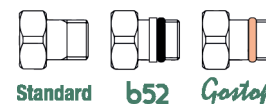
## B1G

*Straight thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. With pre-setting*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1GH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	5	50	
B1GL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	5	50	
B1GF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	5	50	
B1GH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	5	50	
B1GL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	5	50	
B1GL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



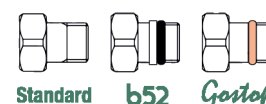
## B1H

*Straight thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. With pre-setting*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1HH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	5	50	
B1HL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	5	50	
B1HF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	5	50	
B1HH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	5	50	
B1HL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	5	50	
B1HL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



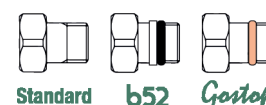
## B1F

*Straight lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1FH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1FL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1FF20N00	G 3/4 M	G 3/4 F	Nickel	Standard	10	50	
B1FH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1FL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	
B1FL15NOV	G 1/2 M	G 1/2 F	Nickel	b52	10	50	



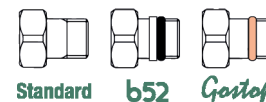
## B1J

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1JK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1JK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1JK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1JK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	
B1JK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



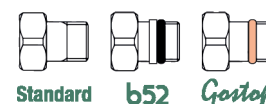
## B1L

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1LK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	5	50	
B1LK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	5	50	
B1LK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	5	50	
B1LK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	5	50	
B1LK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



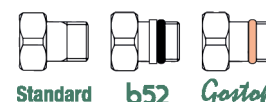
## B1M

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1MK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	5	50	
B1MK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	5	50	
B1MK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	5	50	
B1MK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	5	50	
B1MK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



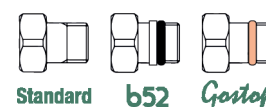
## B1K

Angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1KK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1KK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1KK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1KK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	
B1KK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



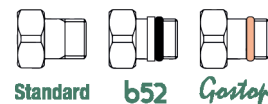
## B1N

Straight manual valve with copper, plastic and multilayer pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1NK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1NK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1NK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1NK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	
B1NK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



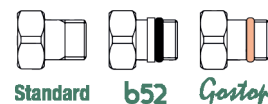
## B1Q

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1QK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	5	50	
B1QK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	5	50	
B1QK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	5	50	
B1QK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	5	50	
B1QK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



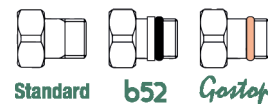
## B1R

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1RK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	5	50	
B1RK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	5	50	
B1RK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	5	50	
B1RK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	5	50	
B1RK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	



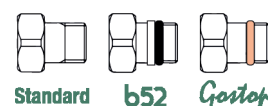
## B1P

Straight lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1PK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1PK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1PK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1PK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	
B1PK15NOV	G 1/2 M	G 1/2 EK	Nickel	b52	10	50	





## W1A.FE

Kit complete with angled thermostatic-convertible valve and lockshield valve (Standard), PDE thermostatic head, with steel pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1AH10N0000	G 3/8 M	G 3/8 F	Nickel	Standard	1	15	
W1AL15N0000	G 1/2 M	G 1/2 F	Nickel	Standard	1	15	
W1AH10N0P00	G 3/8 M	G 3/8 F	Nickel	Gostop	1	15	
W1AL15N0P00	G 1/2 M	G 1/2 F	Nickel	Gostop	1	15	



## W1B.FE

Kit complete with straight thermostatic-convertible valve and lockshield valve (Standard), PDE thermostatic head, with steel pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1BH10N0000	G 3/8 M	G 3/8 F	Nickel	Standard	1	15	
W1BL15N0000	G 1/2 M	G 1/2 F	Nickel	Standard	1	15	
W1BH10N0P00	G 3/8 M	G 3/8 F	Nickel	Gostop	1	15	
W1BL15N0P00	G 1/2 M	G 1/2 F	Nickel	Gostop	1	15	



## W1A

Kit complete with angled thermostatic-convertible valve and lockshield valve (Standard), PDE thermostatic head, with copper, plastic and multilayer pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1AK10N0000	G 3/8 M	G 1/2 EK	Nickel	Standard	1	15	
W1AK15N0000	G 1/2 M	G 1/2 EK	Nickel	Standard	1	15	
W1AK10N0P00	G 3/8 M	G 1/2 EK	Nickel	Gostop	1	15	
W1AK15N0P00	G 1/2 M	G 1/2 EK	Nickel	Gostop	1	15	



## W1B

Kit complete with straight thermostatic-convertible valve and lockshield valve (Standard), PDE thermostatic head, with copper, plastic and multilayer pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1BK10N0000	G 3/8 M	G 1/2 EK	Nickel	Standard	1	15	
W1BK15N0000	G 1/2 M	G 1/2 EK	Nickel	Standard	1	15	
W1BK10N0P00	G 3/8 M	G 1/2 EK	Nickel	Gostop	1	15	
W1BK15N0P00	G 1/2 M	G 1/2 EK	Nickel	Gostop	1	15	



## W1C.FE

Kit complete with angled thermostatic-convertible valve and lockshield valve, PDE thermostatic head, with steel pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1CH10N0000	G 3/8 M	G 3/8 F	Nickel	Standard	1	15	
W1CL15N0000	G 1/2 M	G 1/2 F	Nickel	Standard	1	15	
W1CH10N0P00	G 3/8 M	G 3/8 F	Nickel	Gostop	1	15	
W1CL15N0P00	G 1/2 M	G 1/2 F	Nickel	Gostop	1	15	



## W1D.FE

Kit complete with straight thermostatic-convertible valve and lockshield valve, PDE thermostatic head, with steel pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1DH10N0000	G 3/8 M	G 3/8 F	Nickel	Standard	1	15	
W1DL15N0000	G 1/2 M	G 1/2 F	Nickel	Standard	1	15	
W1DH10N0P00	G 3/8 M	G 3/8 F	Nickel	Gostop	1	15	
W1DL15N0P00	G 1/2 M	G 1/2 F	Nickel	Gostop	1	15	



## W1C

Kit complete with angled thermostatic-convertible valve and lockshield valve, PDE thermostatic head, with copper, plastic and multilayer pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1CK10N0000	G 3/8 M	G 1/2 EK	Nickel	Standard	1	15	
W1CK15N0000	G 1/2 M	G 1/2 EK	Nickel	Standard	1	15	
W1CK10N0P00	G 3/8 M	G 1/2 EK	Nickel	Gostop	1	15	
W1CK15N0P00	G 1/2 M	G 1/2 EK	Nickel	Gostop	1	15	



## W1D

Kit complete with straight thermostatic-convertible valve and lockshield valve, PDE thermostatic head, with copper, plastic and multilayer pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1DK10N0000	G 3/8 M	G 1/2 EK	Nickel	Standard	1	15	
W1DK15N0000	G 1/2 M	G 1/2 EK	Nickel	Standard	1	15	
W1DK10N0P00	G 3/8 M	G 1/2 EK	Nickel	Gostop	1	15	
W1DK15N0P00	G 1/2 M	G 1/2 EK	Nickel	Gostop	1	15	



## W1E.FE

Kit complete with angled thermostatic-convertible valve and lockshield valve, PD thermostatic head, with steel pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1EH10N0000	G 3/8 M	G 3/8 F	Nickel	Standard	1	15	
W1EL15N0000	G 1/2 M	G 1/2 F	Nickel	Standard	1	15	
W1EH10N0P00	G 3/8 M	G 3/8 F	Nickel	Gostop	1	15	
W1EL15N0P00	G 1/2 M	G 1/2 F	Nickel	Gostop	1	15	



## W1F.FE

Kit complete with straight thermostatic-convertible valve and lockshield valve, PD thermostatic head, with steel pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1FH10N0000	G 3/8 M	G 3/8 F	Nickel	Standard	1	15	
W1FL15N0000	G 1/2 M	G 1/2 F	Nickel	Standard	1	15	
W1FH10N0P00	G 3/8 M	G 3/8 F	Nickel	Gostop	1	15	
W1FL15N0P00	G 1/2 M	G 1/2 F	Nickel	Gostop	1	15	



## W1E

Kit complete with angled thermostatic-convertible valve and lockshield valve, PD thermostatic head, with copper, plastic and multilayer pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1EK10N0000	G 3/8 M	G 1/2 EK	Nickel	Standard	1	15	
W1EK15N0000	G 1/2 M	G 1/2 EK	Nickel	Standard	1	15	
W1EK10N0P00	G 3/8 M	G 1/2 EK	Nickel	Gostop	1	15	
W1EK15N0P00	G 1/2 M	G 1/2 EK	Nickel	Gostop	1	15	



## W1F

Kit complete with straight thermostatic-convertible valve and lockshield valve, PD thermostatic head, with copper, plastic and multilayer pipe connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1FK10N0000	G 3/8 M	G 1/2 EK	Nickel	Standard	1	15	
W1FK15N0000	G 1/2 M	G 1/2 EK	Nickel	Standard	1	15	
W1FK10N0P00	G 3/8 M	G 1/2 EK	Nickel	Gostop	1	15	
W1FK15N0P00	G 1/2 M	G 1/2 EK	Nickel	Gostop	1	15	









## B1S

*Angled manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1SH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1SL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1SH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1SL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	



Standard



Gostop

## B1T

*Angled lockshield valve, steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1TH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1TL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1TH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1TL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	



Standard



Gostop

## B1U

*Straight manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1UH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1UL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1UH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1UL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	



Standard



Gostop

## B1V

*Straight lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1VH10N00	G 3/8 M	G 3/8 F	Nickel	Standard	10	50	
B1VL15N00	G 1/2 M	G 1/2 F	Nickel	Standard	10	50	
B1VH10NOP	G 3/8 M	G 3/8 F	Nickel	Gostop	10	50	
B1VL15NOP	G 1/2 M	G 1/2 F	Nickel	Gostop	10	50	



Standard



Gostop

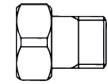
## B1W

Angled manual valve with copper, plastic and multilayer pipe connection

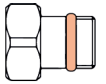
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1WK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1WK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1WK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1WK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	



Standard



Gostop

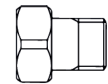
## B1X

Angled lockshield valve with copper, plastic and multilayer pipe connection

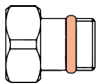
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1XK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1XK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1XK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1XK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	



Standard



Gostop

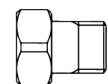
## B1Y

Straight manual valve with copper, plastic and multilayer pipe

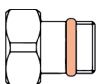
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1YK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1YK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1YK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1YK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	



Standard



Gostop

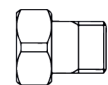
## B1Z

Straight lockshield valve with copper, plastic and multilayer pipe connection

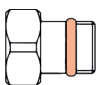
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B1ZK10N00	G 3/8 M	G 1/2 EK	Nickel	Standard	10	50	
B1ZK15N00	G 1/2 M	G 1/2 EK	Nickel	Standard	10	50	
B1ZK10NOP	G 3/8 M	G 1/2 EK	Nickel	Gostop	10	50	
B1ZK15NOP	G 1/2 M	G 1/2 EK	Nickel	Gostop	10	50	



Standard



Gostop

## B8M

Left/right double-angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8ME10NOP	G 3/8 M	G 3/4 EK	Nickel	5	50	
B8ME15NOP	G 1/2 M	G 3/4 EK	Nickel	5	50	



## B8R

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8RE10NOP	G 3/8 M	G 3/4 EK	Nickel	5	50	
B8RE15NOP	G 1/2 M	G 3/4 EK	Nickel	5	50	



## B8P

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8PE10NOP	G 3/8 M	G 3/4 EK	Nickel	5	50	
B8PE15NOP	G 1/2 M	G 3/4 EK	Nickel	5	50	



## B8S

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8SE10NOP	G 3/8 M	G 3/4 EK	Nickel	5	50	
B8SE15NOP	G 1/2 M	G 3/4 EK	Nickel	5	50	



## B8Q

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8QE10NOP	G 3/8 M	G 3/4 EK	Nickel	5	50	
B8QE15NOP	G 1/2 M	G 3/4 EK	Nickel	5	50	







## B8N

*Left/right double-angled lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8NE10NOP	G 3/8 M	G 3/4 EK	Nickel	5	50	
B8NE15NOP	G 1/2 M	G 3/4 EK	Nickel	5	50	



## B8T

Left double-angled manual valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8TH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
B8TL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## B8V

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8VH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
B8VL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## B8X

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8XH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
B8XL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## Y1C

Right double-angled lockshield valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1CH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
Y1CL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## Y1B

Right double-angled manual valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1BH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
Y1BL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## B8W

Right double-angled thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8WH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
B8WL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## B8Y

Right double-angled thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8YH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
B8YL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## B8U

Left double-angled lockshield valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8UH10NOP	G 3/8 M	G 3/8 F	Nickel	5	50	
B8UL15NOP	G 1/2 M	G 1/2 F	Nickel	5	50	



## B9R

pd

*Thermostatic head with liquid sensor, 2 m capillary pipe*

Code	Size	Finish			€
B9R030CW0	M30x1,5	Chrome/White	1	20	



## B9Y

pd

*Thermostatic head with liquid sensor*

Code	Size	Finish			€
B9Y030CW0	M30x1,5	Chrome/White	4	48	



## B9Z

pde

*Thermostatic head with liquid sensor*

Code	Size	Finish			€
B9Z030WB0	M30x1,5	White	4	48	



## B9W

ov

*Thermostatic head with liquid sensor*

Code	Size	Finish			€
B9W030CLO	M30x1,5	Chrome	4	48	
B9W030CW0	M30x1,5	Chrome/White	4	48	
B9W030WB0	M30x1,5	White	4	48	





## P29.R

Headwork **with pre-setting** for thermostatic-convertible valves, series Star, Star Lux and Color Point

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code		Finish			€
P290220T003	<i>NEW</i>	Yellow	1	-	
P29022CT003	<i>NEW</i>	Chrome	1	-	



## P29.C

Wrench for setting the P29.R headwork **with pre-setting**

Code				€
P29021003C	<i>NEW</i>	1	-	





## V1W

Offset fitting for radiators

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Centre distance [mm]	Finish			€
V1WH10N010	G 3/8 M - G 3/8 F	10	Nickel	5	100	
V1WH10N020	G 3/8 M - G 3/8 F	20	Nickel	5	100	
V1WH10N030	G 3/8 M - G 3/8 F	30	Nickel	5	100	
V1WH10N040	G 3/8 M - G 3/8 F	40	Nickel	5	100	
V1WH10N050	G 3/8 M - G 3/8 F	50	Nickel	5	100	
V1WH10N060	G 3/8 M - G 3/8 F	60	Nickel	5	100	
V1WH10CL10	G 3/8 M - G 3/8 F	10	Chrome	5	100	
V1WH10CL20	G 3/8 M - G 3/8 F	20	Chrome	5	100	
V1WH10CL30	G 3/8 M - G 3/8 F	30	Chrome	5	100	
V1WH10CL40	G 3/8 M - G 3/8 F	40	Chrome	5	100	
V1WL15N010	G 1/2 M - G 1/2 F	10	Nickel	5	100	
V1WL15N020	G 1/2 M - G 1/2 F	20	Nickel	5	100	
V1WL15N030	G 1/2 M - G 1/2 F	30	Nickel	5	100	
V1WL15N040	G 1/2 M - G 1/2 F	40	Nickel	5	100	
V1WL15N050	G 1/2 M - G 1/2 F	50	Nickel	5	100	
V1WL15N060	G 1/2 M - G 1/2 F	60	Nickel	5	100	
V1WL15CL10	G 1/2 M - G 1/2 F	10	Chrome	5	100	
V1WL15CL20	G 1/2 M - G 1/2 F	20	Chrome	5	100	
V1WL15CL30	G 1/2 M - G 1/2 F	30	Chrome	5	100	
V1WL15CL40	G 1/2 M - G 1/2 F	40	Chrome	5	100	

## V1A

*Valve knob*

Code	Finish			€
V1A000WBO	White	-	-	
V1A000CLO	Chrome	-	-	
V1A000BMO	Black	-	-	



## V1B

*Cap for lockshield valve*

Code	Finish			€
V1B000WBO	White	-	-	
V1B000CLO	Chrome	-	-	
V1B000BMO	Black	-	-	



## V1E

*Valve knob with screw, Standard series*

Code	Finish			€
V1E000WBO	White	-	-	



## V2L

**Standard**

*Nut and tailpiece Standard*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V2L010N00	G 3/8 M - G 1/2 F	Nickel	10	100	
V2L015N00	G 1/2 M - G 3/4 F	Nickel	10	100	
V2L020N00	G 3/4 M - G 1 F	Nickel	10	100	



## V2M

*Gostop*

*Nut and tailpiece GOSTOP*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V2M010N00	G 3/8 M - G 1/2 F	Nickel	10	100	
V2M010N01	G 3/8 M - G 3/4 F	Nickel	10	100	
V2M015N00	G 1/2 M - G 3/4 F	Nickel	10	100	



## V2N

**b52**

*Nut and tailpiece with O-Ring and mechanical stop*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V2N015N00	G 1/2 M - G 3/4 F	Nickel	10	100	





FITTINGS

**B12**

# C9W



Isorallo - Compression fitting for PE-X and multilayer pipes. With pipe anti-torsion mechanism. Other sizes available on request.

Max working temperature: **90 °C**

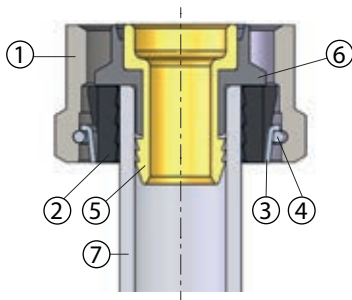
Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9WE14N09	G 3/4 F	Nickel	14x2	10	100	
C9WE16N06	G 3/4 F	Nickel	16x1,5	10	100	
C9WE16N09	G 3/4 F	Nickel	16x2	10	100	
C9WE16N08	G 3/4 F	Nickel	16x2,25	10	100	
C9WE17N09	G 3/4 F	Nickel	17x2	10	100	
C9WE18N09	G 3/4 F	Nickel	18x2	10	100	
C9WE20N09	G 3/4 F	Nickel	20x2	10	100	
C9WE20N08	G 3/4 F	Nickel	20x2,25	10	100	
C9WE20N07	G 3/4 F	Nickel	20x2,5	10	100	



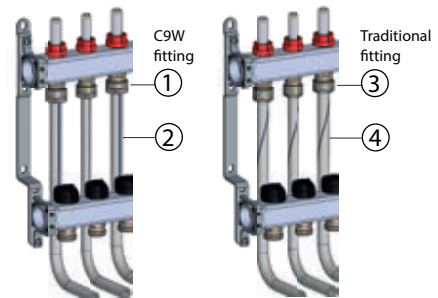
## Fitting C9W



Isorallo is the compression fitting for PE-X and multilayer pipe, one product only for two types of pipes, equipped with ANTI TORSION MECHANISM. This technical solution adopts a mechanism similar to ball bearings, which prevents pipes from twisting when screwing the fitting with the wrench. This makes the fitting particularly suitable for connecting the pipes to the manifold in box. The installation is therefore easier, faster and can be performed using one hand only. The gasket shape allows the hydraulic seal on both the inner surface and the top of the pipe as well as the separation between the brass of the fitting and the aluminum of the pipe, thus avoiding corrosion by galvanic currents. The brass reinforcing insert prevents the pipe from deforming towards the inside, in the area where the clenching ring clamps the pipe. Advantages and characteristics:

- Composed of two parts only: nut and reinforcing insert
- NBR gasket coupled to the reinforcing insert
- Pipe anti-torsion ring.
- Components:
  - 1) Nickel plated nut
  - 2) Nylon clenching ring
  - 3) Stainless steel clenching ring
  - 4) Stainless steel anti-torsion elastic ring
  - 5) Brass reinforcing insert
  - 6) NBR gasket
  - 7) PE-X or multilayer pipe

## Comparison between C9W fitting, with anti-torsion mechanism, and traditional fitting



Left: C9W fitting prevents pipe twisting when screwing with the wrench. This allows a faster installation, manifolds remain stable on the brackets and mechanical stress on the connections is prevented.

Right: pipe twisting is visible from the spiral longitudinal line. Installation is slower as well as greater mechanical stress is generated on pipes and connections.

- 1) C9W fitting with anti-torsion
- 2) Straight pipe
- 3) Traditional fitting
- 4) Twisted pipe

## C9Y



Fitting for multilayer pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YK14N09	G 1/2 F	Nickel	14x2	25	250	
C9YK16N09	G 1/2 F	Nickel	16x2	25	250	
C9YK16N08	G 1/2 F	Nickel	16x2,25	25	250	
C9YE14N09	G 3/4 F	Nickel	14x2	10	100	
C9YE16N09	G 3/4 F	Nickel	16x2	10	100	
C9YE16N08	G 3/4 F	Nickel	16x2,25	10	100	
C9YE18N09	G 3/4 F	Nickel	18x2	10	100	
C9YE20N09	G 3/4 F	Nickel	20x2	10	100	
C9YE20N07	G 3/4 F	Nickel	20x2,5	10	100	

## C9X



Fitting for polyethylene pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9XK14N09	G 1/2 F	Nickel	14x2	25	250	
C9XK16N09	G 1/2 F	Nickel	16x2	25	250	
C9XK16N08	G 1/2 F	Nickel	16x2,25	25	250	
C9XE14N09	G 3/4 F	Nickel	14x2	10	100	
C9XE16N09	G 3/4 F	Nickel	16x2	10	100	
C9XE16N08	G 3/4 F	Nickel	16x2,25	10	100	
C9XE18N09	G 3/4 F	Nickel	18x2	10	100	
C9XE20N09	G 3/4 F	Nickel	20x2	10	100	
C9XE20N07	G 3/4 F	Nickel	20x2,5	10	100	

## C9Z



Rallostop - Compression fitting for copper pipe. Other sizes available on request.

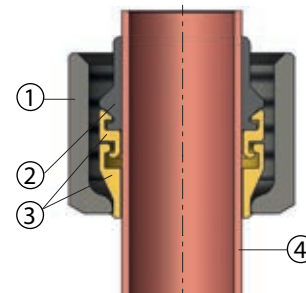
Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Finish	Pipe [mm]			€
C9ZK10N00	G 1/2 F	Nickel	Ø10	25	250	
C9ZK12N00	G 1/2 F	Nickel	Ø12	25	250	
C9ZK14N00	G 1/2 F	Nickel	Ø14	25	250	
C9ZK15N00	G 1/2 F	Nickel	Ø15	25	250	
C9ZK16N00	G 1/2 F	Nickel	Ø16	25	250	
C9ZE10N00	G 3/4 F	Nickel	Ø10	10	100	
C9ZE12N00	G 3/4 F	Nickel	Ø12	10	100	
C9ZE14N00	G 3/4 F	Nickel	Ø14	10	100	
C9ZE15N00	G 3/4 F	Nickel	Ø15	10	100	
C9ZE16N00	G 3/4 F	Nickel	Ø16	10	100	
C9ZE18N00	G 3/4 F	Nickel	Ø18	10	100	

### Fitting C9Z



Rallostop is a compression fitting for copper pipe. Thanks to the shape of the inner components, this fitting can be easily removed in case of maintenance on the connected devices. Characteristics:

- Gasket already coupled to the clenching ring

- Clenching ring and gasket coupled to the nut

- Components:

1) Brass nut

2) NBR gasket

3) Brass clenching ring

4) Copper pipe



**C9V.N**



Eurorallo - Compression fitting for copper and steel pipes, nickel plated. Other sizes available on request.

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	Finish	Pipe [mm]			€
C9VK10N00	G 1/2 F	Nickel	Ø10	25	250	
C9VK12N00	G 1/2 F	Nickel	Ø12	25	250	
C9VK14N00	G 1/2 F	Nickel	Ø14	25	250	
C9VK15N00	G 1/2 F	Nickel	Ø15	25	250	
C9VK16N00	G 1/2 F	Nickel	Ø16	25	250	
C9VE10N00	G 3/4 F	Nickel	Ø10	10	100	
C9VE12N00	G 3/4 F	Nickel	Ø12	10	100	
C9VE14N00	G 3/4 F	Nickel	Ø14	10	100	
C9VE15N00	G 3/4 F	Nickel	Ø15	10	100	
C9VE16N00	G 3/4 F	Nickel	Ø16	10	100	
C9VE17N00	G 3/4 F	Nickel	Ø17	10	100	
C9VE18N00	G 3/4 F	Nickel	Ø18	10	100	

**C9V.C**



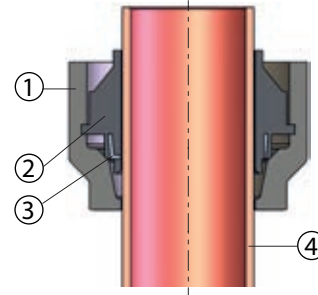
Eurorallo - Compression fitting for copper and steel pipes, chrome plated. Other sizes available on request.

Max working temperature: **95 °C**  
 Max working pressure: **10 bar**



Code	Size	Finish	Pipe [mm]			€
C9VK10CR0	G 1/2 F	Chrome	Ø10	10	100	
C9VK12CR0	G 1/2 F	Chrome	Ø12	10	100	
C9VK14CR0	G 1/2 F	Chrome	Ø14	10	100	
C9VK15CR0	G 1/2 F	Chrome	Ø15	10	100	
C9VK16CR0	G 1/2 F	Chrome	Ø16	10	100	

**Fitting C9V**



Eurorallo is a compression fitting for copper and steel pipe. This technical solution consists of a steel clenching ring "embedded" in the gasket, with the task of compressing the pipe preventing it from slipping out. The fitting components are only two, making the installation faster. Characteristics:

- Gasket coupled to the nut
- Clenching ring inside the gasket
- Components:
  - 1) Brass nut
  - 2) NBR gasket
  - 3) Steel clenching ring
  - 4) Copper or steel pipe



## C9T



Eurorallo - Compression fitting for PE-X pipe.  
Other sizes available on request.

Max working temperature: **100 °C**

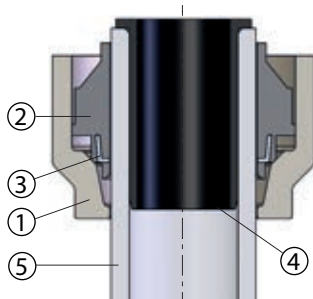
Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9TE12N05	G 3/4 F	Nickel	12x1,1	10	100	
C9TE14N09	G 3/4 F	Nickel	14x2	10	100	
C9TE16N06	G 3/4 F	Nickel	16x1,5	10	100	
C9TE17N09	G 3/4 F	Nickel	17x2	10	100	

### Fitting C9T



Eurorallo is a compression fitting for PE-X pipe. This technical solution consists of a steel clenching ring "embedded" in the gasket, with the task of compressing the pipe preventing it from slipping out. The plastic reinforcing insert prevents the pipe from deforming towards the inside, in the area where the clenching ring clamps the pipe. Characteristics:

- Composed of two parts only: nut and reinforcing insert
- Gasket coupled to the nut
- Clenching ring inside the gasket
- Components:

- 1) Brass nut
- 2) NBR gasket
- 3) Steel clenching ring
- 4) Plastic reinforcing insert
- 5) PE-X pipe

## V1X

*Straight three-piece fitting (O-ring seal)*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V1X010000	G 3/8 M - G 3/8 F	Yellow	5	100	
V1X015000	G 1/2 M - G 1/2 F	Yellow	5	100	
V1X020000	G 3/4 M - G 3/4 F	Yellow	5	100	
V1X025000	G 1 M - G 1 F	Yellow	5	100	
V1X032000	G 1 1/4 M - G 1 1/4 F	Yellow	5	100	
V1X010N00	G 3/8 M - G 3/8 F	Nickel	5	100	
V1X015N00	G 1/2 M - G 1/2 F	Nickel	5	100	
V1X020N00	G 3/4 M - G 3/4 F	Nickel	5	100	
V1X025N00	G 1 M - G 1 F	Nickel	5	100	
V1X032N00	G 1 1/4 M - G 1 1/4 F	Nickel	5	100	



## V1Y

*Elbow three-piece fitting (O-ring seal)*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V1Y010000	G 3/8 M - G 3/8 F	Yellow	5	100	
V1Y015000	G 1/2 M - G 1/2 F	Yellow	5	100	
V1Y020000	G 3/4 M - G 3/4 F	Yellow	5	100	
V1Y025000	G 1 M - G 1 F	Yellow	5	100	
V1Y032000	G 1 1/4 M - G 1 1/4 F	Yellow	5	100	
V1Y010N00	G 3/8 M - G 3/8 F	Nickel	5	100	
V1Y015N00	G 1/2 M - G 1/2 F	Nickel	5	100	
V1Y020N00	G 3/4 M - G 3/4 F	Nickel	5	100	
V1Y025N00	G 1 M - G 1 F	Nickel	5	100	
V1Y032N00	G 1 1/4 M - G 1 1/4 F	Nickel	5	100	



## P93

Fitting with running nut and flat gasket

Max working temperature: **100 °C**

Max working pressure: **25 bar**



Code	Size			€
P93015000	G 1/2 M - G 3/4 RN	20	80	
P93020000	G 3/4 M - G 1 RN	16	64	
P93025000	G 1 M - G 1 1/4 RN	8	64	
P93032000	G 1 1/4 M - G 1 1/2 RN	4	32	

## P93.N

Fitting with running nut and flat gasket - nickel plated

Max working temperature: **100 °C**

Max working pressure: **25 bar**



Code	Size			€
P93015N00	G 1/2 M - G 3/4 RN	20	80	
P93020N00	G 3/4 M - G 1 RN	16	64	
P93025N00	G 1 M - G 1 1/4 RN	8	64	
P93032N00	G 1 1/4 M - G 1 1/2 RN	4	32	

## Y77.2

Fitting with running nut and flat gasket - M and F connection of the same size

Max working temperature: **110 °C**

Max working pressure: **16 bar**



Code	Size	Kv			€
Y77A200002	G 3/4 M - G 3/4 RN	10	20	80	
Y77A250002	G 1 M - G 1 RN	14	20	80	

## 16B.N

MM running fitting with integrated O-Ring - nickel plated

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size			€
16B025N001	G 3/4 M - G 1 M	25	100	

## 44D.DN25

2 female fittings (tailpieces and nuts) with flat gasket - DN 25

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
44D025000	G 1 F - G 1 1/2 RN	1	50	

## V38.P

2 fittings FM with flat gaskets to adapt 130 mm centre distance pumps to 180 mm centre distance

Max working temperature: **100 °C**

Max working pressure: **10 bar**



Code	Size			€
V3804000010	G 1 F - G 1 1/2 M	2	-	
V3804000011	G 1 1/2 F - G 1 1/2 M	2	-	

## V35

Fitting kit with G 1 1/2 RN x G 1 1/2 RN running nuts, plug and flat gasket.

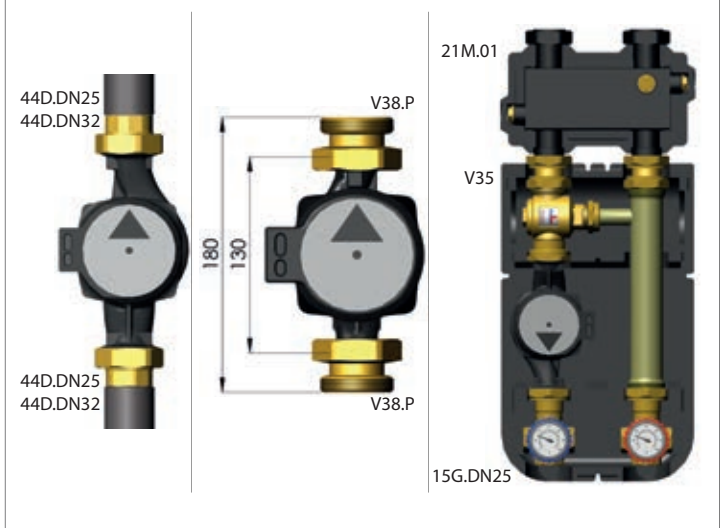
Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
V350400001	G 1 1/2 RN x G 1 1/2 RN	2	-	

### Use of fittings 44D.DN25 or 44D.DN32, V38.P, V35



## 44D.DN32

2 female fittings (tailpieces and nuts) with flat gasket - DN 32

Max working temperature: **90 °C**  
Max working pressure: **10 bar**



Code	Size			€
44D032000	G 1 1/4 F - G 2 RN	1	-	

## 036.7

Hexagonal removable running nut

Max working temperature: **140 °C**



Code	Size			€
036020007	G 3/4 RN	-	400	
036025007	G 1 RN	-	400	
036032007	G 1 1/4 RN	-	300	
036040007	G 1 1/2 RN	-	250	
036050007	G 2 RN	-	200	

## 12D

Fitting G 3/4 M with compression end, with assembled nut, olive and O-Ring (codes "XXX XXX M" without compression fitting)

Max working temperature: **140 °C**  
Max working pressure: **16 bar**



Code	Size			€
12D022000	22 mm - G 3/4 M	2	-	
12D025000M	G 1 M - G 3/4 M	2	-	

## V38.07

Fitting FM with flat gasket

Max working temperature: **100 °C**  
Max working pressure: **16 bar**



Code	Size			€
V3802500007	G 1 F - G 1 1/2 M	-	-	

## 055.P

Nylon plug with O-Ring

Max working temperature: **95 °C**



Code	Size			€
055008002P01	G 1/4 M	-	-	

## 175.17

Brass hose connection

Max working temperature: **95 °C**



Code	Size			€
175015017I	G 3/4 F	1	-	

## 650

Plug with collar (code xxx xxx Nxx nickel-plated)

Max working temperature: **95 °C**



Code	Size			€
650015000	G 1/2 F	1	-	
650020000	G 3/4 F	1	-	
650015N00	G 1/2 F	1	-	
650020N00	G 3/4 F	1	-	

## 541

Fitting with running nut and flat gasket - side holes for metering device sealing

Max working temperature: **90 °C**



Code	Size	P [bar]			€
541015000	G 1/2 M - G 3/4 RN	16	14	56	
541020000	G 3/4 M - G 1 RN	16	14	56	
541025000	G 1 M - G 1 1/4 RN	10	8	64	
541032000	G 1 1/4 M - G 1 1/2 RN	10	6	24	
541040000	G 1 1/2 M - G 2 RN	8	4	16	
541050000	G 2 M - G 2 1/2 RN	8	2	16	

## 036.TI

Plug G 1 1/2 F with gasket.

Max working temperature: **90 °C**

Max working pressure: **10 bar**



Code	Size			€
036040007TI	G 1 1/2 F	2	-	

## V36.I2

2 adapter fittings between DN 25 groups and DN 32 manifolds - flat gasket

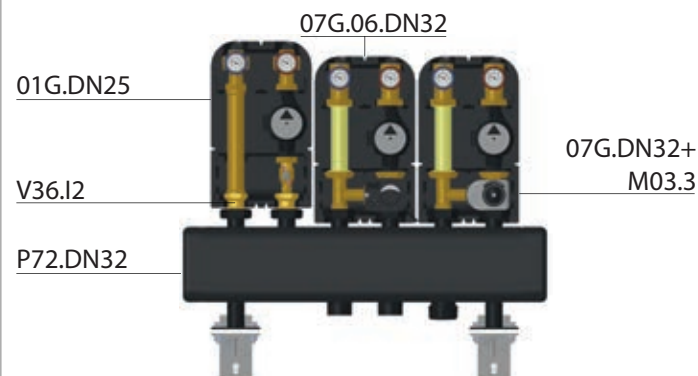
Max working temperature: **110 °C**

Max working pressure: **10 bar**



Code	Size			€
V36050000I2	G 2 M - G 1 1/2 F	2	-	

Connection of a DN 25 group to the P72.DN32 manifold by means of the V36.I2 fittings



## 40D.DN20

Extension with flat seat, connection distance 210 mm

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
40D025000	G 1 M - 210 mm	-	16	

## 40D.1.DN20

Extension with flat seat, connection distance 130 mm

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
40D025001	G 1 M - 130 mm	-	16	

## 40D

Extension with flat seat, connection distance 272 mm

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
40D040000	G 1 1/2 M - 272 mm	-	16	

## 40D.DN32

Extension with flat seat, connection distance 280 mm

Max working temperature: **140 °C**

Max working pressure: **10 bar**



Code	Size			€
40D050000	G 2 M - 280 mm	-	-	

## 40D.2

Extension with flat seat, connection distance 180 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D0400002	G 1 1/2 M - 180 mm	-	16	

## 40D.2.DN32

Extension with flat seat, connection distance 180 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D0500002	G 2 M - 180 mm	-	-	

## 40D.L

L-extension with flat seat, connection distance 272 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D040000L	G 1 1/2 M - G 1 RN - 272 mm	-	16	

## 40D.C

Extension with flat seat for 110 and 130 mm energy metering devices, connection distance 180 mm

Max working temperature: **140 °C**  
Max working pressure: **10 bar**



Code	Size			€
40D020000	G 1 1/2 M - 180 mm	-	-	

## V38.05

Kit with Y fitting and immersion probe pocket

Max working temperature: **95 °C**  
Max working pressure: **16 bar**  
Probe diameter: **6 mm**



Code	Size			€
V3802000005	G 3/4 M	2	-	
V3802500005	G 1 M	2	-	

### Fitting V38.05 with pocket specific for immersion probe



## 575

Fiber gasket

Max working temperature: **150 °C**



Code	Size			€
575020000	24,2 - 18 - 2	-	-	
575025000	30 - 21 - 3	-	-	
575032000	39 - 25 - 2	-	-	
575040000	45 - 33,3 - 2	-	-	
575050000	56,5 - 41 - 2	-	-	

## P23

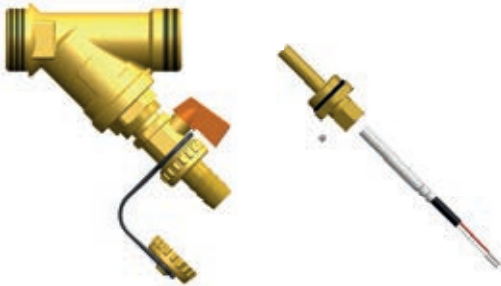
Brass Y fitting - MM - complete with threaded G 1/2 probe holder plug. With flat seat for installation in box.



Max working temperature: **95 °C**  
 Max working pressure: **16 bar**

Code	Size			€
P23015000	G 1/2 M	20	160	
P23020000	G 3/4 M	14	84	
P23025000	G 1 M	10	60	
P23032000	G 1 1/4 M	5	20	

### Coupling of P23 fitting to P32 cock or P28.14 pocket



## P32

Ball drain cock for solar thermal systems - with 15 mm hose connection and plug



Max working temperature: **150 °C**  
 Max working pressure: **16 bar**

Code	Size			€
P32015000	G 1/2 M	10	40	

## P28.14

Immersion probe pocket - seal on fitting



Max working temperature: **95 °C**  
 Max working pressure: **16 bar**  
 Probe diameter: **6 mm**

Code	Size			€
P2801500014	G 1/2 M	10	50	







DESIGN  
RADIATOR VALVES

**B13**

# CRAFTSMANSHIP ELEGANCE



## DESIGN VALVES FOR HEATING RADIATORS

Ottinetti Sergio s.r.l. has been producing and distributing valves and accessories for radiator management and regulation since 1950.

With extensive experience in heating systems, combined with product quality and attention to detail, Ottinetti evolved in the late 1990s, transforming radiator valves into true design elements for interiors.

The specialization in the heating radiator sector stems from both the wide range of products offered and the development of customized solutions for the largest manufacturers of aesthetic radiators, positioning Ottinetti among the most important producers in the industry.

In 2021, Ottinetti became part of the Barberi Group.

The union between the two companies is based on the shared values of tradition, a drive for innovation, and, most importantly, synergies in know-how, expertise, and technologies that allow both companies to further develop in new markets.

With its heating radiator valves, Ottinetti is now fully part of Barberi's offering, supported by international customer service, technical consultancy, strategy, and a commercial network.

STYLE



MADE IN ITALY



LUXURY



# CUSTOM & OEM SERVICE



OTTINETTI CUSTOM: EXCLUSIVE FURNISHING ACCESSORIES

All our models can be customized in color and finishes, starting from just one piece. Whether it's a RAL color, a Sahara finish, or a creative PVD, we can create a unique and special product for every need.



RAL

COLOR



PVD



GLOSSY




MATTE



SAHARA

FINISH

**For custom colors and finishes, please contact the Ottinetti Customer Service.  
The colors and finishes shown are for example purposes only.**



**every valve tells a unique story:  
your story.**



CUSTOM FINISHES  
crafting excellence

**ottinetti**  
RADIATOR VALVE

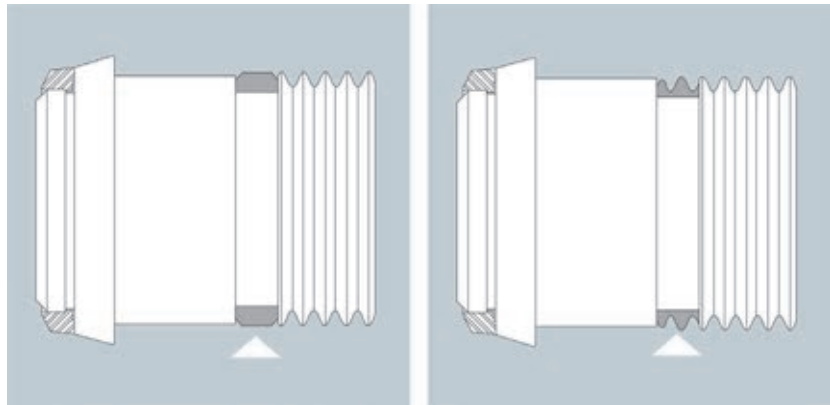


Standard on Star, Star Lux,  
 and Color Point valves.

**Preset System**  
 first adjust,  
 then install.



*Gostop*



The exclusive Gostop gasket eliminates the need for other sealing types (such as hemp, Teflon, etc.), ensuring excellent tightness.

It also adapts to heating bodies with inaccuracies in the valve seat and can be disassembled and reassembled during radiator maintenance.

Standard on all design valves, optional for Star Lux, Star, and Standard Barberi models.

**Gostop**  
 The self-threading sealing gasket



## STANDARD FINISHES



**CL**  
CHROME



**CB**  
BLACK  
CHROME



**CS**  
SATIN  
CHROME



**NZ**  
NICKEL  
BRUSHED



**TB**  
FULL  
WHITE



**WB**  
GLOSSY  
WHITE



**CW**  
CHROME/  
GLOSSY WHITE



**TN**  
FULL  
MATTE BLACK



**BM**  
MATTE  
BLACK



**CN**  
CHROME/  
MATTE BLACK



**QD**  
GOLD



**PB**  
POLISHED  
BRASS



**BA**  
ANTIQUÉ  
BRASS



**RA**  
ANTIQUÉ  
COPPER









**Q30**

## B2S

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2SE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2SE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2SE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2SE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2SE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2SE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2SE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2SE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2SE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2U

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2UE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2UE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2UE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2UE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2UE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2UE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2UE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2UE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2UE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2V

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2VE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2VE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2VE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2VE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2VE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2VE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2VE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2VE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2VE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2T

*Angled lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2TE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2TE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2TE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2TE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2TE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2TE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2TE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2TE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2TE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2W

Straight manual valve with copper, plastic and multilayer pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2WE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2WE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2WE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2WE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2WE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2WE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2WE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2WE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2WE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2Y

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2YE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2YE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2YE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2YE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2YE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2YE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2YE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2YE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2YE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2Z

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2ZE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2ZE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2ZE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2ZE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2ZE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2ZE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2ZE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2ZE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2ZE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B2X

*Straight lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B2XE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B2XE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B2XE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B2XE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B2XE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B2XE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B2XE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B2XE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B2XE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3A

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3AE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3AE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3AE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3AE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3AE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3AE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3AE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3AE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3AE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3C

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3CE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3CE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3CE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3CE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3CE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3CE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3CE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3CE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3CE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3D

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3DE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3DE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3DE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3DE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3DE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3DE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3DE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3DE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3DE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





# B3B

*Angled lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3BE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3BE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3BE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3BE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3BE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3BE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3BE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3BE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3BE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3E

*Straight manual valve with copper, plastic and multilayer pipe*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3EE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3EE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3EE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3EE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3EE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3EE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3EE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3EE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3EE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3G

*Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3GE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3GE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3GE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3GE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3GE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3GE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3GE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3GE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3GE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3H

*Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3HE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3HE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3HE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3HE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3HE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3HE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3HE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3HE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3HE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	







# B3F

*Straight lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**





Code	Radiator connection	Pipe connection	Finish			€
B3FE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3FE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3FE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3FE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3FE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3FE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3FE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3FE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3FE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	

## B3J

*Angled manual valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3JE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3JE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3JE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3JE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3JE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3JE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3JE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3JE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3JE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3K

*Straight manual valve with copper, plastic and multilayer pipe*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3KE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3KE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3KE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3KE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3KE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3KE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3KE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3KE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3KE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3L

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3LE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3LE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3LE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3LE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3LE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3LE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3LE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3LE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3LE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3M

Straight manual valve with copper, plastic and multilayer pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3ME15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3ME15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3ME15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3ME15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3ME15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3ME15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3ME15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3ME15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3ME15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3N

Left/right double-angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3NE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3NE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3NE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3NE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3NE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3NE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3NE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3NE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3NE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3Q

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3QE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3QE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3QE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3QE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3QE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3QE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3QE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3QE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3QE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3R

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3RE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3RE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3RE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3RE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3RE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3RE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3RE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3RE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3RE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3S

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3SE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3SE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3SE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3SE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3SE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3SE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3SE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3SE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3SE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3T

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3TE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3TE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3TE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3TE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3TE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3TE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3TE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3TE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3TE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3P

Left/right double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3PE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3PE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3PE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3PE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3PE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3PE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3PE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3PE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3PE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3U

Left/right double-angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3UE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3UE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3UE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3UE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3UE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3UE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3UE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3UE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3UE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3W

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3WE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3WE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3WE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3WE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3WE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3WE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3WE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3WE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3WE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3X

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3XE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3XE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3XE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3XE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3XE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3XE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3XE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3XE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3XE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3Y

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3YE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3YE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3YE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3YE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3YE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3YE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3YE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3YE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3YE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3Z

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3ZE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3ZE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3ZE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3ZE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3ZE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3ZE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3ZE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3ZE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3ZE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B3V

Left/right double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**



Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B3VE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B3VE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B3VE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B3VE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B3VE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B3VE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B3VE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B3VE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B3VE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	



## B9T

*Thermostatic head with liquid sensor*

Code	Size	Finish			€
B9T030CLO	M30x1,5	Chrome	4	48	
B9T030WBO	M30x1,5	White	4	48	
B9T030BMO	M30x1,5	Black	4	48	





## V1Z

*Square T-fitting*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V1Z015CLO	G 1/2 F - G 1/2 F - G 1/2 M	Chrome	5	100	
V1Z015WBO	G 1/2 F - G 1/2 F - G 1/2 M	White	5	100	
V1Z015BMO	G 1/2 F - G 1/2 F - G 1/2 M	Black	5	100	









# FLOWER

## B4A

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4AE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4AE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4AE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4AE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4AE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4AE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4AE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4AE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4AE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4AE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B4AE15TBP	G 1/2 M	G 3/4 EK	Full white	2	20	
B4AE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	





## B4C

Angled thermostatic valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4CE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4CE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4CE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4CE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4CE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4CE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4CE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4CE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4CE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4CE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B4CE15TBP	G 1/2 M	G 3/4 EK	Full white	2	20	
B4CE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	





## B4B

*Angled lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**





Code	Radiator connection	Pipe connection	Finish			€
B4BE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4BE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4BE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4BE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4BE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4BE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4BE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4BE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4BE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4BE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B4BE15TBP	G 1/2 M	G 3/4 EK	Full white	2	20	
B4BE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	

## B4D

*Straight manual valve with copper, plastic and multilayer pipe*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4DE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4DE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4DE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4DE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4DE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4DE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4DE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4DE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4DE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4DE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B4DE15TBP	G 1/2 M	G 3/4 EK	Full white	2	20	
B4DE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	





## B4F

*Straight thermostatic valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4FE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4FE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4FE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4FE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4FE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4FE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4FE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4FE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4FE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4FE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B4FE15TBP	G 1/2 M	G 3/4 EK	Full white	2	20	
B4FE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	





## B4E

*Straight lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**





Code	Radiator connection	Pipe connection	Finish			€
B4EE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4EE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4EE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4EE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4EE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4EE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4EE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4EE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4EE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4EE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B4EE15TBP	G 1/2 M	G 3/4 EK	Full white	2	20	
B4EE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	

## Y1F

*Angled manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1FL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1FL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1FL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## Y1G

*Angled thermostatic valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1GL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1GL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1GL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## Y1H

*Angled lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1HL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1HL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1HL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## B4J

Left double-angled thermostatic valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4JE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4JE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4JE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4JE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4JE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4JE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4JE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4JE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4JE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4JE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B4K

Right double-angled thermostatic valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4KE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4KE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4KE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4KE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4KE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4KE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4KE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4KE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4KE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4KE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B4H

Left/right double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4HE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4HE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4HE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4HE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4HE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4HE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4HE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4HE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4HE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4HE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	











**LEGNO**

## B4L

Angled thermostatic valve with copper, plastic and multilayer pipe connection, cherry wood knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4LE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4LE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4LE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	





## B4M

Angled thermostatic valve with copper, plastic and multilayer pipe connection, wengè knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4ME15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4ME15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4ME15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4ME15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4ME15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	





## B4N

Angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4NE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4NE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4NE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4NE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4NE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4NE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4NE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4NE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	





## B4P

*Straight thermostatic valve with copper, plastic and multilayer pipe connection, cherry wood knob*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4PE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4PE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4PE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	





## B4Q

*Straight thermostatic valve with copper, plastic and multilayer pipe connection, wengè knob*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4QE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4QE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4QE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4QE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4QE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	





## B4R

*Straight lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4RE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4RE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4RE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4RE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4RE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4RE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4RE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4RE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	





## B4S

Left double-angled thermostatic valve with copper, plastic and multilayer pipe connection, cherry wood knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4SE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4SE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4SE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	





## B4T

Left double-angled thermostatic valve with copper, plastic and multilayer pipe connection, wengè knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4TE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4TE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4TE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4TE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4TE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	





## B4U

Right double-angled thermostatic valve with copper, plastic and multilayer pipe connection, cherry wood knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4UE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B4UE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4UE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	





## B4V

Right double-angled thermostatic valve with copper, plastic and multilayer pipe connection, wengè knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4VE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4VE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4VE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4VE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4VE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	





## B5A

Left/right double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5AE15PBP	G 1/2 M	G 3/4 EK	Polished brass	2	20	
B5AE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B5AE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B5AE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B5AE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B5AE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B5AE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B5AE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4HE15TNP	G 1/2 M	G 3/4 EK	Full black	2	20	





## Y1J

Angled manual valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1JL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1JL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1JL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## Y1H

Angled lockshield valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1HL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1HL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1HL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## W1M

Kit Flower complete with angled thermostatic valve and angled lockshield valve, plug, air vent

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1ML15BAP30	G 1/2 M	G 1/2 F	Antique brass	Gostop	1	10	
W1ML15WBP30	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1ML15BMP30	G 1/2 M	G 1/2 F	Black	Gostop	1	10	





## W1N

Kit Flower complete with angled manual valve and angled lockshield valve, plug, air vent

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1NL15BAP30	G 1/2 M	G 1/2 F	Antique brass	Gostop	1	10	
W1NL15WBP30	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1NL15BMP30	G 1/2 M	G 1/2 F	Black	Gostop	1	10	





## W1R

Kit Legno with handle, complete with angled manual valve and angled lockshield valve, plug, air vent

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1RL15BAP30	G 1/2 M	G 1/2 F	Antique brass	Gostop	1	10	
W1RL15WBP30	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1RL15BMP30	G 1/2 M	G 1/2 F	Black	Gostop	1	10	





## W1S

Kit Black complete with angled manual valve and angled lockshield valve, plug, air vent

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1SL15BAP30	G 1/2 M	G 1/2 F	Antique brass	Gostop	1	10	
W1SL15WBP30	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1SL15BMP30	G 1/2 M	G 1/2 F	Black	Gostop	1	10	



## P60.03

Manual air vent

Max working temperature: **90 °C**

Max working pressure: **10 bar**

Fully open length: **29 mm**

Fully closed length: **27 mm**



Code	Size	Finish			€
P60006BA03	G 1/8 M	Antique brass	10	200	
P60006WB03	G 1/8 M	White	10	200	
P60006BM03	G 1/8 M	Black	10	200	
P60015BA03	G 1/2 M	Antique brass	10	200	
P60015WB03	G 1/2 M	White	10	200	
P60015BM03	G 1/2 M	Black	10	200	

## V2K

Radiator plug

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Finish			€
V2K015BA0	G 1/2 M	Antique brass	10	200	
V2K015WB0	G 1/2 M	White	10	200	
V2K015BM0	G 1/2 M	Black	10	200	









## **BALL 35**

## B8G

Angled thermostatic valve with copper, plastic and multilayer pipe connection, cherry wood knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8GK15PBP	G 1/2 M	G 1/2 EK	Polished brass	2	20	
B8GK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B8GK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	





## B8H

Angled thermostatic valve with copper, plastic and multilayer pipe connection, wengé knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8HK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B8HK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B8HK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B8HK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B8HK15NZZ	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	





## B8K

Angled thermostatic valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8KK15PBP	G 1/2 M	G 1/2 EK	Polished brass	2	20	
B8KK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B8KK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B8KK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	
B8KK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B8KK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B8KK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B8KK15NZZ	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	
B8KK15WBP	G 1/2 M	G 1/2 EK	White	2	20	
B8KK15BMP	G 1/2 M	G 1/2 EK	Black	2	20	





# B8J

*Angled lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
B8JK15PBP	G 1/2 M	G 1/2 EK	Polished brass	2	20	
B8JK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B8JK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	
B8JK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B8JK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B8JK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B8JK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B8JK15NBP	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	
B8JK15WBP	G 1/2 M	G 1/2 EK	White	2	20	
B8JK15BMP	G 1/2 M	G 1/2 EK	Black	2	20	







**TWIN STAR  
CORNER  
TWINT POINT  
ANGLE  
TWIN POINT**

## B4Z

Left/right double-angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4ZE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4ZE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4ZE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4ZE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4ZE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	2	20	
B4ZE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	2	20	
B4ZE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4ZE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4ZE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4ZE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4ZE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## Y1Y

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1YE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
Y1YE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
Y1YE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B4X

Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4XE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4XE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4XE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4XE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4XE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4XE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4XE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4XE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4XE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## Y1T

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1TE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
Y1TE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
Y1TE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B4Y

Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B4YE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B4YE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B4YE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B4YE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B4YE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B4YE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B4YE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B4YE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B4YE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B5A

Left/right double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
B5AE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B5AE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B5AE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B5AE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B5AE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	2	20	
B5AE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	2	20	
B5AE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B5AE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B5AE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B5AE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B5AE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	



## B5D

50 mm

*Manual double valve, left/right double-angled with copper, plastic and multilayer pipe connection*Max working temperature: **95 °C**Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
B5DE15QDP	G 1/2 M	G 3/4 EK	Gold	1	10	
B5DE15BAP	G 1/2 M	G 3/4 EK	Antique brass	1	10	
B5DE15RAP	G 1/2 M	G 3/4 EK	Antique copper	1	10	
B5DE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B5DE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	1	10	
B5DE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	1	10	
B5DE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	1	10	
B5DE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	1	10	
B5DE15CBP	G 1/2 M	G 3/4 EK	Black chrome	1	10	
B5DE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B5DE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	



## Y1Z

50 mm

*Thermostatic-convertible double valve, left double-angled with copper, plastic and multilayer pipe connection, M30x1,5 head connection*Max working temperature: **95 °C**Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
Y1ZE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
Y1ZE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
Y1ZE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	



## B5C

50 mm

*Thermostatic-convertible double valve, left double-angled with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection*Max working temperature: **95 °C**Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5CE15QDP	G 1/2 M	G 3/4 EK	Gold	1	10	
B5CE15BAP	G 1/2 M	G 3/4 EK	Antique brass	1	10	
B5CE15RAP	G 1/2 M	G 3/4 EK	Antique copper	1	10	
B5CE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B5CE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	1	10	
B5CE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	1	10	
B5CE15CBP	G 1/2 M	G 3/4 EK	Black chrome	1	10	
B5CE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B5CE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	







## Y2A

50 mm

Thermostatic-convertible double valve, right double-angled with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y2AE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
Y2AE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
Y2AE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	





## B5B

50 mm

Thermostatic-convertible double valve, right double-angled with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
B5BE15QDP	G 1/2 M	G 3/4 EK	Gold	1	10	
B5BE15BAP	G 1/2 M	G 3/4 EK	Antique brass	1	10	
B5BE15RAP	G 1/2 M	G 3/4 EK	Antique copper	1	10	
B5BE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B5BE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	1	10	
B5BE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	1	10	
B5BE15CBP	G 1/2 M	G 3/4 EK	Black chrome	1	10	
B5BE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B5BE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	



## B8E

50 mm

*Straight manual double valve with copper, plastic and multilayer pipe connection*Max working temperature: **95 °C**Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
B8EE15QDP	G 1/2 M	G 3/4 EK	Gold	1	10	
B8EE15BAP	G 1/2 M	G 3/4 EK	Antique brass	1	10	
B8EE15RAP	G 1/2 M	G 3/4 EK	Antique copper	1	10	
B8EE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B8EE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	1	10	
B8EE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	1	10	
B8EE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	1	10	
B8EE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	1	10	
B8EE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B8EE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	



## Y2B

50 mm

*Straight thermostatic-convertible double valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection*Max working temperature: **95 °C**Max working pressure: **10 bar**



Code	Radiator connection	Pipe connection	Finish			€
Y2BE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
Y2BE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
Y2BE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	



## B8F

50 mm

*Straight thermostatic-convertible double valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection*Max working temperature: **95 °C**Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B8FE15QDP	G 1/2 M	G 3/4 EK	Gold	1	10	
B8FE15BAP	G 1/2 M	G 3/4 EK	Antique brass	1	10	
B8FE15RAP	G 1/2 M	G 3/4 EK	Antique copper	1	10	
B8FE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B8FE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	1	10	
B8FE15NBP	G 1/2 M	G 3/4 EK	Nickel brushed	1	10	
B8FE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B8FE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	





**UNI-TWIN  
50 MM**

# B5E

50 mm

Thermostatic-convertible double valve for mono/two pipe system, 50 mm centre distance, swivel type with copper, plastic and multilayer pipe connection, protective cap

Max working temperature: **95 °C**



Max working pressure: **10 bar**



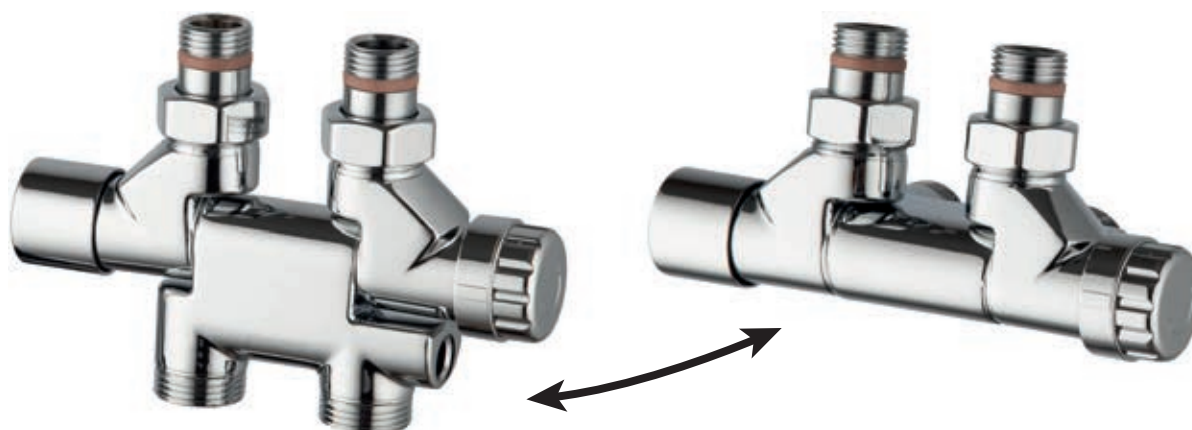
Standard



Gostop

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B5EE15N00	G 1/2 M	G 3/4 EK	Nickel	Standard	1	10	
B5EE15NOP	G 1/2 M	G 3/4 EK	Nickel	Gostop	1	10	
B5EE15CLP	G 1/2 M	G 3/4 EK	Chrome	Gostop	1	10	
B5EE15WBP	G 1/2 M	G 3/4 EK	White	Gostop	1	10	

## Valve "Uni Twin 50 mm"

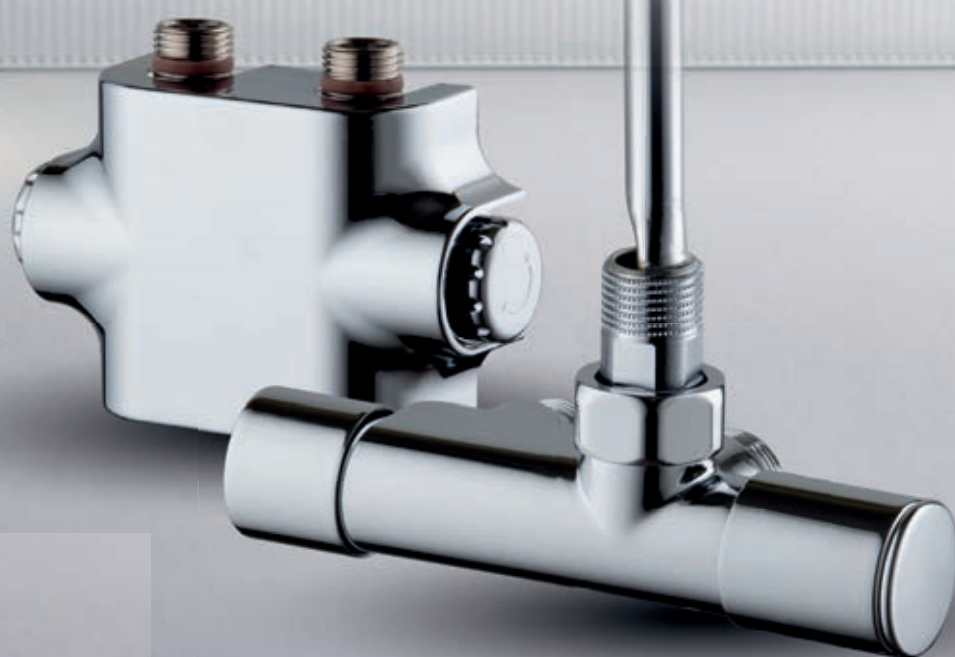


### Double use valve

Modern design with an innovative rotation system in a single valve with 50 mm centre distance: the valve can be quickly converted from the H configuration (4 vertical connections, flow and return connections for pipes arriving from below) to double-angled valve (flow and return connections for pipes coming out of the wall).

Equipped with pre-setting device, by-pass and connections for copper, plastic and multilayer pipes.

Available in all finishes.



**MONO POINT**  
**DUO POINT**



## B5F

40 mm

Manual valve for mono/two pipe system, 40 mm centre distance, right double-angled with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5FK15CL0	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5FK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5FK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5G

40 mm

Thermostatic-convertible valve for mono/two pipe system, 40 mm centre distance, right double-angled with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5GK15CL0	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5GK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5GK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5H

40 mm

Thermostatic-convertible valve for mono/two pipe system, 40 mm centre distance, right double-angled with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5HK15CL0	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5HK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5HK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	



**Monopoint: probe and finishes for all the serie**



Length of the standard probe (1) in the package: 400 mm (other lengths on request)

Probe (1) and tailpiece (2) welded together, both chrome plated for all the versions

Nut (3) and valve body (4) both with the surface finish according to the code tables



## B5M

60 mm

Manual valve for mono/two pipe system, 60 mm centre distance, right double-angled with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5MK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5MK15WBO	G 1/2 M	G 1/2 EK	White	1	10	
B5MK15BMO	G 1/2 M	G 1/2 EK	Black	1	10	





## B5N

60 mm

Thermostatic-convertible valve for mono/two pipe system, 60 mm centre distance, right double-angled with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5NK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5NK15WBO	G 1/2 M	G 1/2 EK	White	1	10	
B5NK15BMO	G 1/2 M	G 1/2 EK	Black	1	10	





## B5P

60 mm

Thermostatic-convertible valve for mono/two pipe system, 60 mm centre distance, right double-angled with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5PK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5PK15WBO	G 1/2 M	G 1/2 EK	White	1	10	
B5PK15BMO	G 1/2 M	G 1/2 EK	Black	1	10	





## B5Q

40 mm

Manual valve for mono/two pipe system, 40 mm centre distance, left double-angled with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5QK15CL0	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5QK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5QK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5R

40 mm

Thermostatic-convertible valve for mono/two pipe system, 40 mm centre distance, left double-angled with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5RK15CL0	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5RK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5RK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5S

40 mm

Thermostatic-convertible valve for mono/two pipe system, 40 mm centre distance, left double-angled with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5SK15CL0	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5SK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5SK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	







## B5W

60 mm

Manual valve for mono/two pipe system, 60 mm centre distance, left double-angled with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5WK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5WK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5WK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5X

60 mm

Thermostatic-convertible valve for mono/two pipe system, 60 mm centre distance, left double-angled with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5XK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5XK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5XK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5Y

60 mm

Thermostatic-convertible valve for mono/two pipe system, 60 mm centre distance, left double-angled with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5YK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5YK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B5YK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B5Z

40 mm

Manual valve for mono/two pipe system, 40 mm centre distance, straight with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B5ZK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B5ZK15WBO	G 1/2 M	G 1/2 EK	White	1	10	
B5ZK15BMO	G 1/2 M	G 1/2 EK	Black	1	10	





## B6A

40 mm

Thermostatic-convertible valve for mono/two pipe system, 40 mm centre distance, straight with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6AK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B6AK15WBO	G 1/2 M	G 1/2 EK	White	1	10	
B6AK15BMO	G 1/2 M	G 1/2 EK	Black	1	10	





## B6B

40 mm

Thermostatic-convertible valve for mono/two pipe system, 40 mm centre distance, straight with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

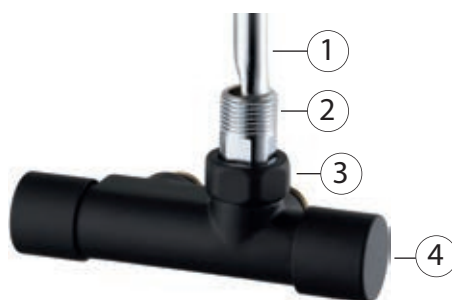
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6BK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B6BK15WBO	G 1/2 M	G 1/2 EK	White	1	10	
B6BK15BMO	G 1/2 M	G 1/2 EK	Black	1	10	



### Monopoint: probe and finishes for all the serie



Length of the standard probe (1) in the package: 400 mm (other lengths on request)

Probe (1) and tailpiece (2) welded together, both chrome plated for all the versions

Nut (3) and valve body (4) both with the surface finish according to the code tables



## B6F

60 mm

Manual valve for mono/two pipe system, 60 mm centre distance, straight with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6FK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B6FK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B6FK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B6G

60 mm

Thermostatic-convertible valve for mono/two pipe system, 60 mm centre distance, straight with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6GK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B6GK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B6GK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B6H

60 mm

Thermostatic-convertible valve for mono/two pipe system, 60 mm centre distance, straight with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6HK15CLO	G 1/2 M	G 1/2 EK	Chrome	1	10	
B6HK15WB0	G 1/2 M	G 1/2 EK	White	1	10	
B6HK15BM0	G 1/2 M	G 1/2 EK	Black	1	10	





## B7N

50 mm

Universal thermostatic-convertible double valve (left/right, straight/double-angled) with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7NE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B7NE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B7NE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	





## B7P

50 mm

Universal thermostatic-convertible double valve (left/right, double-angled) with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7PE15CLP	G 1/2 M	G 3/4 EK	Chrome	1	10	
B7PE15WBP	G 1/2 M	G 3/4 EK	White	1	10	
B7PE15BMP	G 1/2 M	G 3/4 EK	Black	1	10	



### Duo Point: technical information



B7N

B7N with 6 threaded connections:

- 2 radiator connections
- 2 connections for the pipes arriving from the floor
- 2 connections for the pipes arriving from the wall.

In the package: 2 plugs for closing the connections not used.

The thermostatic head can be installed on the right or left (right/left valve). The connection with the thermostatic head becomes the lockshield (universal valve).

B7P with 4 threaded connections:

- 2 radiator connections
- 2 connections for the pipes arriving from the wall.

The thermostatic head can be installed with the same procedure of B7N.



B7P





**POINT 30  
REVERSIBLE**

## B6J

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6JE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B6JE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B6JE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B6JE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B6JE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B6JE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B6JE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B6JE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B6JE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B6JE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	2	20	
B6JE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	2	20	





## Y1S

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1SE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
Y1SE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
Y1SE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B6W

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6WE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B6WE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B6WE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B6WE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B6WE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B6WE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B6WE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B6WE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B6WE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B6L

Angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6LE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B6LE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B6LE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B6LE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B6LE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B6LE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B6LE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B6LE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B6LE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B6LE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	2	20	
B6LE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	2	20	





## B6K

Angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

For any particular finish +40%

Code	Radiator connection	Pipe connection	Finish			€
B6KE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	



### Valve "Point 30 Reversible"



Reversible manual valve and lockshield.

Water can pass through the angled manual valve (B6J, B6K) and the angled lockshield (B6L) in both directions. This allows to install them both with the knob pointing downward and in horizontal position.



To obtain the two configurations, it is simply necessary to exchange the union (for radiator connection) and the fitting for the pipe.

## B6N

Straight manual valve with copper, plastic and multilayer pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6NE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B6NE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B6NE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B6NE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B6NE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B6NE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B6NE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B6NE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B6NE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B6NE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	2	20	
B6NE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	2	20	





## Y1V

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection.

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1VE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
Y1VE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
Y1VE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	





## B6X

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6XE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B6XE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B6XE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B6XE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B6XE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B6XE15NZP	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B6XE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B6XE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B6XE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	







## B6P

*Straight lockshield valve with copper, plastic and multilayer pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6PE15NZZ	G 1/2 M	G 3/4 EK	Nickel brushed	2	20	
B6PE15WBP	G 1/2 M	G 3/4 EK	White	2	20	
B6PE15BMP	G 1/2 M	G 3/4 EK	Black	2	20	
B6PE15QDP	G 1/2 M	G 3/4 EK	Gold	2	20	
B6PE15BAP	G 1/2 M	G 3/4 EK	Antique brass	2	20	
B6PE15RAP	G 1/2 M	G 3/4 EK	Antique copper	2	20	
B6PE15CBP	G 1/2 M	G 3/4 EK	Black chrome	2	20	
B6PE15CSP	G 1/2 M	G 3/4 EK	Satin chrome	2	20	
B6PE15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	
B6PE15CWP	G 1/2 M	G 3/4 EK	Chrome/White	2	20	
B6PE15CNP	G 1/2 M	G 3/4 EK	Chrome/Black	2	20	





## B6M

*Straight manual valve with copper, plastic and multilayer pipe*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6ME15CLP	G 1/2 M	G 3/4 EK	Chrome	2	20	





## B6Q

Angled manual valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6QL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6QL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6QL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B6QL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6QL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6QL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6QL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6QL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6QL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6QL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B6QL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	





## Y1W

Angled thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection.

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1WL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
Y1WL15WBP	G 1/2 M	G 1/2 F	White	2	20	
Y1WL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## B6Y

Angled thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6YL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6YL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6YL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6YL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6YL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6YL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6YL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6YL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6YL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## B6S

*Angled lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6SL15NZZ	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6SL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6SL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B6SL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6SL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6SL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6SL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6SL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6SL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6SL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B6SL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	





## B6R

*Angled manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6RL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	





## B6U

*Straight manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6UL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6UL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6UL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B6UL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6UL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6UL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6UL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6UL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6UL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6UL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B6UL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	





## Y1X

*Straight thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection.*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1XL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
Y1XL15WBP	G 1/2 M	G 1/2 F	White	2	20	
Y1XL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## B6Z

*Straight thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection.*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6ZL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6ZL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6ZL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6ZL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6ZL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6ZL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6ZL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6ZL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6ZL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## B6V

*Straight lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6VL15NZZ	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6VL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6VL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B6VL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6VL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6VL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6VL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6VL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6VL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6VL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B6VL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	





## B6T

*Straight manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6TL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	









**RTL**

## W1J

Kit complete with straight return valve and lockshield valve, RTL thermostatic head, steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1JL15QDP00	G 1/2 M	G 1/2 F	Gold	Gostop	1	10	
W1JL15CLP00	G 1/2 M	G 1/2 F	Chrome	Gostop	1	10	
W1JL15NZP00	G 1/2 M	G 1/2 F	Nickel brushed	Gostop	1	10	
W1JL15WBP00	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1JL15BMP00	G 1/2 M	G 1/2 F	Black	Gostop	1	10	





## W1K

Kit complete with double-angled left return valve and right lockshield valve, RTL thermostatic head, steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1KL15QDP00	G 1/2 M	G 1/2 F	Gold	Gostop	1	10	
W1KL15CLP00	G 1/2 M	G 1/2 F	Chrome	Gostop	1	10	
W1KL15NZP00	G 1/2 M	G 1/2 F	Nickel brushed	Gostop	1	10	
W1KL15WBP00	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1KL15BMP00	G 1/2 M	G 1/2 F	Black	Gostop	1	10	





## W1L

Kit complete with double-angled right return valve and left lockshield valve, RTL thermostatic head, steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
W1LL15QDP00	G 1/2 M	G 1/2 F	Gold	Gostop	1	10	
W1LL15CLP00	G 1/2 M	G 1/2 F	Chrome	Gostop	1	10	
W1LL15NZP00	G 1/2 M	G 1/2 F	Nickel brushed	Gostop	1	10	
W1LL15WBP00	G 1/2 M	G 1/2 F	White	Gostop	1	10	
W1LL15BMP00	G 1/2 M	G 1/2 F	Black	Gostop	1	10	





## B7C

RTL straight thermostatic valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7CL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7CL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7CL15NBP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7CL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7CL15BMP	G 1/2 M	G 1/2 F	Black	2	20	



## B6V

Straight lockshield valve with steel pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B6VL15NBP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B6VL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B6VL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B6VL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B6VL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B6VL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B6VL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B6VL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B6VL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B6VL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B6VL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	



## B9U

RTL-pd

Thermostatic head RTL

Code	Size	Finish			€
B9U030QD0	M30x1,5	Gold	4	48	
B9U030CLO	M30x1,5	Chrome	4	48	
B9U030NZ0	M30x1,5	Nickel brushed	4	48	
B9U030WB0	M30x1,5	White	4	48	
B9U030BM0	M30x1,5	Black	4	48	





## B7A

*RTL left double-angled thermostatic valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7AL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7AL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7AL15NZN	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7AL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7AL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## B7B

*RTL right double-angled thermostatic valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7BL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7BL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7BL15NZN	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7BL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7BL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## Y1A

*Left double-angled lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
Y1AL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
Y1AL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
Y1AL15NZN	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
Y1AL15WBP	G 1/2 M	G 1/2 F	White	2	20	
Y1AL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





## B7D

*Right double-angled lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7DL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7DL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7DL15NZN	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7DL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7DL15BMP	G 1/2 M	G 1/2 F	Black	2	20	





**DUAL FUEL  
POINT**

## B7G



Right double-angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7GE15CL0	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7GE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7GE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7F



Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7FE15CL0	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7FE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7FE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7E



Right double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7EE15CL0	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7EE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7EE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7L



Right double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7LE15CL0	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7LE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7LE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7K



Left double-angled manual valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7KE15CLO	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7KE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7KE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7J



Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7JE15CLO	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7JE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7JE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7H



Left double-angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7HE15CLO	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7HE15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7HE15BM0	G 1/2 M	G 3/4 EK	Black	2	20	



## B7M



Left double-angled lockshield valve with copper, plastic and multilayer pipe connection

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Max resistance diameter: **16,2 mm**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7ME15CLO	G 1/2 M	G 3/4 EK	Chrome	2	20	
B7ME15WB0	G 1/2 M	G 3/4 EK	White	2	20	
B7ME15BM0	G 1/2 M	G 3/4 EK	Black	2	20	









**COLOR  
POINT**

## B7Q

Angled manual valve with copper, plastic and multilayer pipe. Brass knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7QK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	2	20	
B7QK15CNP	G 1/2 M	G 1/2 EK	Chrome/Black	2	20	
B7QK15WBP	G 1/2 M	G 1/2 EK	White	2	20	
B7QK15BMP	G 1/2 M	G 1/2 EK	Black	2	20	
B7QK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B7QK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	
B7QK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B7QK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B7QK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B7QK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B7QK15NZZ	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	
B7QK15TBP	G 1/2 M	G 1/2 EK	Full white	2	20	
B7QK15TNP	G 1/2 M	G 1/2 EK	Full black	2	20	





## B2L

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. Plastic knob. **With pre-setting**

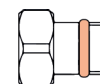
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2LK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2LK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2LK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard





Gostop

## B2M

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

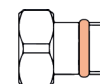
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2MK15QDP	G 1/2 M	G 1/2 EK	Gold	Gostop	2	20	
B2MK15BAP	G 1/2 M	G 1/2 EK	Antique brass	Gostop	2	20	
B2MK15RAP	G 1/2 M	G 1/2 EK	Antique copper	Gostop	2	20	
B2MK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2MK15NZZ	G 1/2 M	G 1/2 EK	Nickel brushed	Gostop	2	20	
B2MK15CBP	G 1/2 M	G 1/2 EK	Black chrome	Gostop	2	20	
B2MK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	Gostop	2	20	
B2MK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2MK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	
B2MK15TBP	G 1/2 M	G 1/2 EK	Full white	Gostop	2	20	
B2MK15TNP	G 1/2 M	G 1/2 EK	Full black	Gostop	2	20	



Standard



Gostop





## B7R

*Straight lockshield valve with copper, plastic and multilayer pipe connection. Brass knob*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7RK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	2	20	
B7RK15CNP	G 1/2 M	G 1/2 EK	Chrome/Black	2	20	
B7RK15WBP	G 1/2 M	G 1/2 EK	White	2	20	
B7RK15BMP	G 1/2 M	G 1/2 EK	Black	2	20	
B7RK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B7RK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	
B7RK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B7RK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B7RK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B7RK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B7RK15NZP	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	
B7RK15TBP	G 1/2 M	G 1/2 EK	Full white	2	20	
B7RK15TNP	G 1/2 M	G 1/2 EK	Full black	2	20	





## B7Y

*Angled manual valve with copper, plastic and multilayer pipe*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7YK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	





## B7Z

*Angled manual valve with copper, plastic and multilayer pipe*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

For any other finish +20%

Code	Radiator connection	Pipe connection	Finish			€
B7ZK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	





## B7S

Straight manual valve with copper, plastic and multilayer pipe connection. Brass knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7SK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	2	20	
B7SK15CNP	G 1/2 M	G 1/2 EK	Chrome/Black	2	20	
B7SK15WBP	G 1/2 M	G 1/2 EK	White	2	20	
B7SK15BMP	G 1/2 M	G 1/2 EK	Black	2	20	
B7SK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B7SK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	
B7SK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B7SK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B7SK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B7SK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B7SK15NZZ	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	
B7SK15TBP	G 1/2 M	G 1/2 EK	Full white	2	20	
B7SK15TNP	G 1/2 M	G 1/2 EK	Full black	2	20	





## B2Q

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. Plastic knob. With pre-setting

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2QK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2QK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2QK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard



Gostop

## B2R

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection. With pre-setting

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2RK15QDP	G 1/2 M	G 1/2 EK	Gold	Gostop	2	20	
B2RK15BAP	G 1/2 M	G 1/2 EK	Antique brass	Gostop	2	20	
B2RK15RAP	G 1/2 M	G 1/2 EK	Antique copper	Gostop	2	20	
B2RK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2RK15NZZ	G 1/2 M	G 1/2 EK	Nickel brushed	Gostop	2	20	
B2RK15CBP	G 1/2 M	G 1/2 EK	Black chrome	Gostop	2	20	
B2RK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	Gostop	2	20	
B2RK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2RK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	
B2RK15TBP	G 1/2 M	G 1/2 EK	Full white	Gostop	2	20	
B2RK15TNP	G 1/2 M	G 1/2 EK	Full black	Gostop	2	20	



Standard

Gostop



# B7T

*Straight lockshield valve with copper, plastic and multilayer pipe connection. Brass knob*

Max working temperature: **95 °C**

Max working pressure: **10 bar**





Code	Radiator connection	Pipe connection	Finish			€
B7TK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	2	20	
B7TK15CNP	G 1/2 M	G 1/2 EK	Chrome/Black	2	20	
B7TK15WBP	G 1/2 M	G 1/2 EK	White	2	20	
B7TK15BMP	G 1/2 M	G 1/2 EK	Black	2	20	
B7TK15QDP	G 1/2 M	G 1/2 EK	Gold	2	20	
B7TK15BAP	G 1/2 M	G 1/2 EK	Antique brass	2	20	
B7TK15RAP	G 1/2 M	G 1/2 EK	Antique copper	2	20	
B7TK15CBP	G 1/2 M	G 1/2 EK	Black chrome	2	20	
B7TK15CSP	G 1/2 M	G 1/2 EK	Satin chrome	2	20	
B7TK15CLP	G 1/2 M	G 1/2 EK	Chrome	2	20	
B7TK15NZP	G 1/2 M	G 1/2 EK	Nickel brushed	2	20	
B7TK15TBP	G 1/2 M	G 1/2 EK	Full white	2	20	
B7TK15TNP	G 1/2 M	G 1/2 EK	Full black	2	20	

## B7U

Angled manual valve with steel pipe connection. Brass knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7UL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B7UL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	
B7UL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7UL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B7UL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7UL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B7UL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B7UL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B7UL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B7UL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7UL15NZIP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7UL15TBP	G 1/2 M	G 1/2 F	Full white	2	20	
B7UL15TNP	G 1/2 M	G 1/2 F	Full black	2	20	





## B2C

Angled thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. Plastic knob. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2CL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2CL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2CL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

## B2D

Angled thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2DL15QDP	G 1/2 M	G 1/2 F	Gold	Gostop	2	20	
B2DL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
B2DL15RAP	G 1/2 M	G 1/2 F	Antique copper	Gostop	2	20	
B2DL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2DL15NZZ	G 1/2 M	G 1/2 F	Nickel brushed	Gostop	2	20	
B2DL15CBP	G 1/2 M	G 1/2 F	Black chrome	Gostop	2	20	
B2DL15CSP	G 1/2 M	G 1/2 F	Satin chrome	Gostop	2	20	
B2DL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2DL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	
B2DL15TBP	G 1/2 M	G 1/2 F	Full white	Gostop	2	20	
B2DL15TNP	G 1/2 M	G 1/2 F	Full black	Gostop	2	20	





## B7V

Angled lockshield valve with steel pipe connection. Brass knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7VL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B7VL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	
B7VL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7VL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B7VL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7VL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B7VL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B7VL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B7VL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B7VL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7VL15NZZ	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7VL15TBP	G 1/2 M	G 1/2 F	Full white	2	20	
B7VL15TNP	G 1/2 M	G 1/2 F	Full black	2	20	





## B7W

Straight manual valve with steel pipe connection. Brass knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish			€
B7WL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B7WL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	
B7WL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7WL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B7WL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7WL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B7WL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B7WL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B7WL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B7WL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7WL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7WL15TBP	G 1/2 M	G 1/2 F	Full white	2	20	
B7WL15TNP	G 1/2 M	G 1/2 F	Full black	2	20	





## B2G

Straight thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. Plastic knob. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2GL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2GL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2GL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

## B2H

Straight thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2HL15QDP	G 1/2 M	G 1/2 F	Gold	Gostop	2	20	
B2HL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
B2HL15RAP	G 1/2 M	G 1/2 F	Antique copper	Gostop	2	20	
B2HL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2HL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	Gostop	2	20	
B2HL15CBP	G 1/2 M	G 1/2 F	Black chrome	Gostop	2	20	
B2HL15CSP	G 1/2 M	G 1/2 F	Satin chrome	Gostop	2	20	
B2HL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2HL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	
B2HL15TBP	G 1/2 M	G 1/2 F	Full white	Gostop	2	20	
B2HL15TNP	G 1/2 M	G 1/2 F	Full black	Gostop	2	20	



Standard



Gostop



## B7X

*Straight lockshield valve with steel pipe connection. Brass knob*

Max working temperature: **95 °C**

Max working pressure: **10 bar**





Code	Radiator connection	Pipe connection	Finish			€
B7XL15CWP	G 1/2 M	G 1/2 F	Chrome/White	2	20	
B7XL15CNP	G 1/2 M	G 1/2 F	Chrome/Black	2	20	
B7XL15WBP	G 1/2 M	G 1/2 F	White	2	20	
B7XL15BMP	G 1/2 M	G 1/2 F	Black	2	20	
B7XL15QDP	G 1/2 M	G 1/2 F	Gold	2	20	
B7XL15BAP	G 1/2 M	G 1/2 F	Antique brass	2	20	
B7XL15RAP	G 1/2 M	G 1/2 F	Antique copper	2	20	
B7XL15CBP	G 1/2 M	G 1/2 F	Black chrome	2	20	
B7XL15CSP	G 1/2 M	G 1/2 F	Satin chrome	2	20	
B7XL15CLP	G 1/2 M	G 1/2 F	Chrome	2	20	
B7XL15NZP	G 1/2 M	G 1/2 F	Nickel brushed	2	20	
B7XL15TBP	G 1/2 M	G 1/2 F	Full white	2	20	
B7XL15TNP	G 1/2 M	G 1/2 F	Full black	2	20	

## Y1E

*Angled manual valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1EL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1EL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1EL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## Y1K

*Angled lockshield valve with steel pipe connection*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
Y1KL15BAP	G 1/2 M	G 1/2 F	Antique brass	Gostop	2	20	
Y1KL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
Y1KL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## V2A

*Tee-fitting*

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V2A015CLO	G 1/2 F - G 1/2 F - G 1/2 M	Chrome	5	100	
V2A015WBO	G 1/2 F - G 1/2 F - G 1/2 M	White	5	100	
V2A015BM0	G 1/2 F - G 1/2 F - G 1/2 M	Black	5	100	









**STAR LUX**

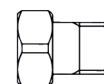
## B2A

Angled manual valve with steel pipe connection. Plastic knob

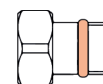
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2AH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2AL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2AH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2AL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2AH10CW0	G 3/8 M	G 3/8 F	Chrome/White	Standard	2	20	
B2AL15CW0	G 1/2 M	G 1/2 F	Chrome/White	Standard	2	20	
B2AH10CWP	G 3/8 M	G 3/8 F	Chrome/White	Gostop	2	20	
B2AL15CWP	G 1/2 M	G 1/2 F	Chrome/White	Gostop	2	20	
B2AH10WB0	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2AL15WB0	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2AH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2AL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2AH10BM0	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2AL15BM0	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2AH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2AL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

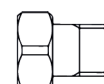
## B2C

Angled thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. Plastic knob. **With pre-setting**

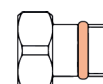
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2CH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2CL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2CH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2CL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2CH10WB0	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2CL15WB0	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2CH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2CL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2CH10BM0	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2CL15BM0	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2CH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2CL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

## B2D

Angled thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2DH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2DL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2DH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2DL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2DH10WBO	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2DL15WBO	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2DH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2DL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2DH10BMO	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2DL15BMO	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2DH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2DL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





## B2B

Angled lockshield valve, steel pipe connection. Plastic knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2BH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2BL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2BH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2BL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2BH10CW0	G 3/8 M	G 3/8 F	Chrome/White	Standard	2	20	
B2BL15CW0	G 1/2 M	G 1/2 F	Chrome/White	Standard	2	20	
B2BH10CWP	G 3/8 M	G 3/8 F	Chrome/White	Gostop	2	20	
B2BL15CWP	G 1/2 M	G 1/2 F	Chrome/White	Gostop	2	20	
B2BH10WBO	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2BL15WBO	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2BH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2BL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2BH10BMO	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2BL15BMO	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2BH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2BL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	





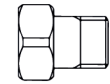
## B2E

*Straight manual valve with steel pipe connection. Plastic knob*

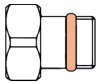
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2EH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2EL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2EH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2EL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2EH10CW0	G 3/8 M	G 3/8 F	Chrome/White	Standard	2	20	
B2EL15CW0	G 1/2 M	G 1/2 F	Chrome/White	Standard	2	20	
B2EH10CWP	G 3/8 M	G 3/8 F	Chrome/White	Gostop	2	20	
B2EL15CWP	G 1/2 M	G 1/2 F	Chrome/White	Gostop	2	20	
B2EH10WB0	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2EL15WB0	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2EH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2EL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2EH10BM0	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2EL15BM0	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2EH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2EL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

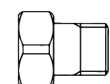
## B2G

*Straight thermostatic-convertible valve with steel pipe connection, M30x1,5 head connection. Plastic knob. With pre-setting*

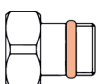
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2GH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2GL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2GH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2GL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2GH10WB0	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2GL15WB0	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2GH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2GL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2GH10BM0	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2GL15BM0	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2GH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2GL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

## B2H

Straight thermostatic-convertible valve with steel pipe connection, protective cap, M30x1,5 head connection. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2HH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2HL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2HH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2HL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2HH10WBO	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2HL15WBO	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2HH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2HL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2HH10BMO	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2HL15BMO	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2HH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2HL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard



Gostop

## B2F

Straight lockshield valve with steel pipe connection. Plastic knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2FH10CLO	G 3/8 M	G 3/8 F	Chrome	Standard	2	20	
B2FL15CLO	G 1/2 M	G 1/2 F	Chrome	Standard	2	20	
B2FH10CLP	G 3/8 M	G 3/8 F	Chrome	Gostop	2	20	
B2FL15CLP	G 1/2 M	G 1/2 F	Chrome	Gostop	2	20	
B2FH10CW0	G 3/8 M	G 3/8 F	Chrome/White	Standard	2	20	
B2FL15CW0	G 1/2 M	G 1/2 F	Chrome/White	Standard	2	20	
B2FH10CWP	G 3/8 M	G 3/8 F	Chrome/White	Gostop	2	20	
B2FL15CWP	G 1/2 M	G 1/2 F	Chrome/White	Gostop	2	20	
B2FH10WBO	G 3/8 M	G 3/8 F	White	Standard	2	20	
B2FL15WBO	G 1/2 M	G 1/2 F	White	Standard	2	20	
B2FH10WBP	G 3/8 M	G 3/8 F	White	Gostop	2	20	
B2FL15WBP	G 1/2 M	G 1/2 F	White	Gostop	2	20	
B2FH10BMO	G 3/8 M	G 3/8 F	Black	Standard	2	20	
B2FL15BMO	G 1/2 M	G 1/2 F	Black	Standard	2	20	
B2FH10BMP	G 3/8 M	G 3/8 F	Black	Gostop	2	20	
B2FL15BMP	G 1/2 M	G 1/2 F	Black	Gostop	2	20	



Standard





Gostop

## B2J

Angled manual valve with copper, plastic and multilayer pipe connection. Plastic knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2JK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2JK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2JK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2JK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2JK10CW0	G 3/8 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2JK15CW0	G 1/2 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2JK10CWP	G 3/8 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2JK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2JK10WB0	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2JK15WB0	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2JK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2JK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2JK10BM0	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2JK15BM0	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2JK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2JK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard





Gostop

## B2L

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. Plastic knob. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2LK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2LK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2LK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2LK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2LK10WB0	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2LK15WB0	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2LK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2LK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2LK10BM0	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2LK15BM0	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2LK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2LK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard



Gostop

## B2M

Angled thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection.  
With pre-setting

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2MK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2MK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2MK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2MK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2MK10WB0	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2MK15WB0	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2MK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2MK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2MK10BMO	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2MK15BMO	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2MK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2MK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard





Gostop

## B2K

Angled lockshield valve with copper, plastic and multilayer pipe connection. Plastic knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2KK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2KK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2KK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2KK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2KK10CW0	G 3/8 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2KK15CW0	G 1/2 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2KK10CWP	G 3/8 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2KK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2KK10WB0	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2KK15WB0	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2KK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2KK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2KK10BMO	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2KK15BMO	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2KK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2KK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard



Gostop

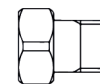
## B2N

Straight manual valve with copper, plastic and multilayer pipe. Plastic knob

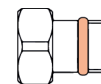
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2NK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2NK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2NK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2NK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2NK10CW0	G 3/8 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2NK15CW0	G 1/2 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2NK10CWP	G 3/8 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2NK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2NK10WB0	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2NK15WB0	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2NK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2NK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2NK10BMO	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2NK15BMO	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2NK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2NK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard





Gostop

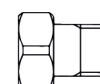
## B2Q

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, M30x1,5 head connection. Plastic knob. **With pre-setting**

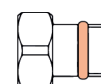
Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2QK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2QK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2QK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2QK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2QK10WB0	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2QK15WB0	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2QK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2QK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2QK10BMO	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2QK15BMO	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2QK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2QK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard



Gostop



## B2R

Straight thermostatic-convertible valve with copper, plastic and multilayer pipe connection, protective cap, M30x1,5 head connection.  
With pre-setting

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2RK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2RK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2RK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2RK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2RK10WBO	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2RK15WBO	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2RK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2RK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2RK10BMO	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2RK15BMO	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2RK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2RK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard





Gostop

## B2P

Straight lockshield valve with copper, plastic and multilayer pipe connection. Plastic knob

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type			€
B2PK10CLO	G 3/8 M	G 1/2 EK	Chrome	Standard	2	20	
B2PK15CLO	G 1/2 M	G 1/2 EK	Chrome	Standard	2	20	
B2PK10CLP	G 3/8 M	G 1/2 EK	Chrome	Gostop	2	20	
B2PK15CLP	G 1/2 M	G 1/2 EK	Chrome	Gostop	2	20	
B2PK10CW0	G 3/8 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2PK15CW0	G 1/2 M	G 1/2 EK	Chrome/White	Standard	2	20	
B2PK10CWP	G 3/8 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2PK15CWP	G 1/2 M	G 1/2 EK	Chrome/White	Gostop	2	20	
B2PK10WBO	G 3/8 M	G 1/2 EK	White	Standard	2	20	
B2PK15WBO	G 1/2 M	G 1/2 EK	White	Standard	2	20	
B2PK10WBP	G 3/8 M	G 1/2 EK	White	Gostop	2	20	
B2PK15WBP	G 1/2 M	G 1/2 EK	White	Gostop	2	20	
B2PK10BMO	G 3/8 M	G 1/2 EK	Black	Standard	2	20	
B2PK15BMO	G 1/2 M	G 1/2 EK	Black	Standard	2	20	
B2PK10BMP	G 3/8 M	G 1/2 EK	Black	Gostop	2	20	
B2PK15BMP	G 1/2 M	G 1/2 EK	Black	Gostop	2	20	



Standard



Gostop

## W2D

Kit Star Lux complete with angled thermostatic-convertible valve and lockshield valve, pipe fittings. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type	Fittings for pipe			€
W2DK15CLP01	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 10	1	10	
W2DK15CLP02	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 12	1	10	
W2DK15CLP03	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 14	1	10	
W2DK15CLP05	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 16	1	10	
W2DK15CLP06	G 1/2 M	G 1/2 EK	Chrome	Gostop	Multilayer 14x2	1	10	
W2DK15CLP07	G 1/2 M	G 1/2 EK	Chrome	Gostop	Multilayer 16x2	1	10	
W2DK15WBP01	G 1/2 M	G 1/2 EK	White	Gostop	Copper 10	1	10	
W2DK15WBP02	G 1/2 M	G 1/2 EK	White	Gostop	Copper 12	1	10	
W2DK15WBP03	G 1/2 M	G 1/2 EK	White	Gostop	Copper 14	1	10	
W2DK15WBP05	G 1/2 M	G 1/2 EK	White	Gostop	Copper 16	1	10	
W2DK15WBP06	G 1/2 M	G 1/2 EK	White	Gostop	Multilayer 14x2	1	10	
W2DK15WBP07	G 1/2 M	G 1/2 EK	White	Gostop	Multilayer 16x2	1	10	
W2DK15BMP01	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 10	1	10	
W2DK15BMP02	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 12	1	10	
W2DK15BMP03	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 14	1	10	
W2DK15BMP05	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 16	1	10	
W2DK15BMP06	G 1/2 M	G 1/2 EK	Black	Gostop	Multilayer 14x2	1	10	
W2DK15BMP07	G 1/2 M	G 1/2 EK	Black	Gostop	Multilayer 16x2	1	10	




## W2E

Kit Star Lux complete with straight thermostatic-convertible valve and lockshield valve, pipe fittings. **With pre-setting**

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Radiator connection	Pipe connection	Finish	Tailpiece type	Fittings for pipe			€
W2EK15CLP01	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 10	1	10	
W2EK15CLP02	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 12	1	10	
W2EK15CLP03	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 14	1	10	
W2EK15CLP05	G 1/2 M	G 1/2 EK	Chrome	Gostop	Copper 16	1	10	
W2EK15CLP06	G 1/2 M	G 1/2 EK	Chrome	Gostop	Multilayer 14x2	1	10	
W2EK15CLP07	G 1/2 M	G 1/2 EK	Chrome	Gostop	Multilayer 16x2	1	10	
W2EK15WBP01	G 1/2 M	G 1/2 EK	White	Gostop	Copper 10	1	10	
W2EK15WBP02	G 1/2 M	G 1/2 EK	White	Gostop	Copper 12	1	10	
W2EK15WBP03	G 1/2 M	G 1/2 EK	White	Gostop	Copper 14	1	10	
W2EK15WBP05	G 1/2 M	G 1/2 EK	White	Gostop	Copper 16	1	10	
W2EK15WBP06	G 1/2 M	G 1/2 EK	White	Gostop	Multilayer 14x2	1	10	
W2EK15WBP07	G 1/2 M	G 1/2 EK	White	Gostop	Multilayer 16x2	1	10	
W2EK15BMP01	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 10	1	10	
W2EK15BMP02	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 12	1	10	
W2EK15BMP03	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 14	1	10	
W2EK15BMP05	G 1/2 M	G 1/2 EK	Black	Gostop	Copper 16	1	10	
W2EK15BMP06	G 1/2 M	G 1/2 EK	Black	Gostop	Multilayer 14x2	1	10	
W2EK15BMP07	G 1/2 M	G 1/2 EK	Black	Gostop	Multilayer 16x2	1	10	





**THERMOSTATIC  
HEADS  
& ACCESSORIES**

**B9Y**

pd

*Thermostatic head with liquid sensor*



Code	Size	Finish			€
B9Y030CW0	M30x1,5	Chrome/White	4	48	
B9Y030CL0	M30x1,5	Chrome	4	48	
B9Y030WB0	M30x1,5	White	4	48	
B9Y030BM0	M30x1,5	Black	4	48	
B9Y030NZ0	M30x1,5	Nickel brushed	4	48	
B9Y030CS0	M30x1,5	Satin chrome	4	48	
B9Y030QD0	M30x1,5	Gold	4	48	
B9Y030RA0	M30x1,5	Antique copper	4	48	
B9Y030BA0	M30x1,5	Antique brass	4	48	
B9Y030CB0	M30x1,5	Black chrome	4	48	
B9Y030GW0	M30x1,5	Gold/White	4	48	



**B9W**

ov

*Thermostatic head with liquid sensor*



Code	Size	Finish			€
B9W030CL0	M30x1,5	Chrome	4	48	
B9W030CW0	M30x1,5	Chrome/White	4	48	
B9W030WB0	M30x1,5	White	4	48	



**B9Z**

pde

*Thermostatic head with liquid sensor*

Code	Size	Finish			€
B9Z030CL0	M30x1,5	Chrome	4	48	
B9Z030BM0	M30x1,5	Black	4	48	





## P29.R

Headwork **with pre-setting** for thermostatic-convertible valves, series Star, Star Lux and Color Point

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code		Finish			€
P290220T003	<b>NEW</b>	Yellow	1	-	
P29022CT003	<b>NEW</b>	Chrome	1	-	



## P29.C


Wrench for setting the P29.R headwork **with pre-setting**

Code				€
P29021003C	<b>NEW</b>	1	-	



## V1C

Cap for thermostatic valve - ABS

Code		Finish			€
V1C000WBO		White	-	-	
V1C000CLO		Chrome	-	-	
V1C000BMO		Black	-	-	



## V2F

Brass connection pipe

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Finish			€
V2F015CLO	Ø15 - 300 mm	Chrome	-	-	
V2F015WBO	Ø15 - 300 mm	White	-	-	
V2F015BMO	Ø15 - 300 mm	Black	-	-	

## V2G

Pipe-covering shell with round wall-covering plate



Code	Size	Finish			€
V2G100CLO	Ø20 - 100 mm	Chrome	-	-	
V2G100WBO	Ø20 - 100 mm	White	-	-	
V2G100BMO	Ø20 - 100 mm	Black	-	-	
V2G200CLO	Ø20 - 200 mm	Chrome	-	-	
V2G200BAO	Ø20 - 200 mm	Antique brass	-	-	
V2G200WBO	Ø20 - 200 mm	White	-	-	
V2G200BMO	Ø20 - 200 mm	Black	-	-	

## V1V

Wall-covering plate for pipes Ø10-12-14-15-16. Plate diameter 57 mm



Code	Finish			€
V1V000CLO	Chrome	-	-	
V1V000WBO	White	-	-	
V1V000BMO	Black	-	-	

## V2H

Pipe-covering shell with square wall-covering plate



Code	Size	Finish			€
V2H100CLO	Ø20 - 100 mm	Chrome	-	-	
V2H100WBO	Ø20 - 100 mm	White	-	-	
V2H100BMO	Ø20 - 100 mm	Black	-	-	
V2H200CLO	Ø20 - 200 mm	Chrome	-	-	
V2H200WBO	Ø20 - 200 mm	White	-	-	
V2H200BMO	Ø20 - 200 mm	Black	-	-	

## V2J

Pipe-covering shell with flower wall-covering plate



Code	Size	Finish			€
V2J100CLO	Ø20 - 100 mm	Chrome	-	-	
V2J100WBO	Ø20 - 100 mm	White	-	-	
V2J100BMO	Ø20 - 100 mm	Black	-	-	
V2J200CLO	Ø20 - 200 mm	Chrome	-	-	
V2J200WBO	Ø20 - 200 mm	White	-	-	
V2J200BMO	Ø20 - 200 mm	Black	-	-	

## V2Q 50 mm

Pipe-covering shell kit for valves with 50 mm centre distance, series Twin Point, Uni Twin and Duo Point. Complete with 1 rectangular wall-covering plate, 2 pipes 100 mm f 20, 4 fixing O-Rings



Code	Size	Finish			€
V2Q100CLO	Ø20 - 100 mm	Chrome	-	-	
V2Q100WBO	Ø20 - 100 mm	White	-	-	
V2Q100BMO	Ø20 - 100 mm	Black	-	-	

## V2C

Standard

Nut and tailpiece Standard

Code	Size	Finish			€
V2C015CLO	G 1/2 M - G 3/4 F	Chrome	10	100	





## V2D

Gostop

Nut and tailpiece GOSTOP

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V2D015CLO	G 1/2 M - G 3/4 F	Chrome	10	100	
V2D015QD0	G 1/2 M - G 3/4 F	Gold	10	100	
V2D015BA0	G 1/2 M - G 3/4 F	Antique brass	10	100	
V2D015RA0	G 1/2 M - G 3/4 F	Antique copper	10	100	
V2D015CS0	G 1/2 M - G 3/4 F	Satin chrome	10	100	
V2D015NZ0	G 1/2 M - G 3/4 F	Nickel brushed	10	100	
V2D015CB0	G 1/2 M - G 3/4 F	Black chrome	10	100	
V2D015WB0	G 1/2 M - G 3/4 F	White	10	100	
V2D015BM0	G 1/2 M - G 3/4 F	Black	10	100	
V2D015CLO	G 1/2 M - G 3/4 F	Chrome	10	100	





## V2E

b52

Nut and tailpiece with O-Ring and mechanical stop

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Code	Size	Finish			€
V2E015CLO	G 1/2 M - G 3/4 F	Chrome	10	100	
V2E015QD0	G 1/2 M - G 3/4 F	Gold	10	100	
V2E015BA0	G 1/2 M - G 3/4 F	Antique brass	10	100	
V2E015RA0	G 1/2 M - G 3/4 F	Antique copper	10	100	
V2E015CB0	G 1/2 M - G 3/4 F	Black chrome	10	100	
V2E015CS0	G 1/2 M - G 3/4 F	Satin chrome	10	100	
V2E015NZ0	G 1/2 M - G 3/4 F	Nickel brushed	10	100	





## C9Z

Ø 10



Fitting for copper pipe Ø10

Max working temperature: **95 °C**Max working pressure: **10 bar**

Code	Size	Finish	Pipe [mm]			€
C9ZK10QD0	G 1/2 F	Gold	Ø10	25	250	
C9ZK10BA0	G 1/2 F	Antique brass	Ø10	25	250	
C9ZK10RA0	G 1/2 F	Antique copper	Ø10	25	250	
C9ZK10CL0	G 1/2 F	Chrome	Ø10	25	250	
C9ZK10CB0	G 1/2 F	Black chrome	Ø10	25	250	
C9ZK10CS0	G 1/2 F	Satin chrome	Ø10	25	250	
C9ZK10NZ0	G 1/2 F	Nickel brushed	Ø10	25	250	
C9ZK10WB0	G 1/2 F	White	Ø10	25	250	
C9ZK10BM0	G 1/2 F	Black	Ø10	25	250	
C9ZK10PB0	G 1/2 F	Polished brass	Ø10	25	250	
C9ZE10CL0	G 3/4 F	Chrome	Ø10	10	100	
C9ZE10QD0	G 3/4 F	Gold	Ø10	10	100	
C9ZE10BA0	G 3/4 F	Antique brass	Ø10	10	100	
C9ZE10RA0	G 3/4 F	Antique copper	Ø10	10	100	
C9ZE10CS0	G 3/4 F	Satin chrome	Ø10	10	100	
C9ZE10NZ0	G 3/4 F	Nickel brushed	Ø10	10	100	
C9ZE10WB0	G 3/4 F	White	Ø10	10	100	
C9ZE10BM0	G 3/4 F	Black	Ø10	10	100	
C9ZE10CB0	G 3/4 F	Black chrome	Ø10	10	100	
C9ZE10PB0	G 3/4 F	Polished brass	Ø10	10	100	



# C9Z

Ø 12



Fitting for copper pipe Ø12

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Finish	Pipe [mm]			€
C9ZK12QD0	G 1/2 F	Gold	Ø12	25	250	
C9ZK12BA0	G 1/2 F	Antique brass	Ø12	25	250	
C9ZK12RA0	G 1/2 F	Antique copper	Ø12	25	250	
C9ZK12CL0	G 1/2 F	Chrome	Ø12	25	250	
C9ZK12CB0	G 1/2 F	Black chrome	Ø12	25	250	
C9ZK12CS0	G 1/2 F	Satin chrome	Ø12	25	250	
C9ZK12NZ0	G 1/2 F	Nickel brushed	Ø12	25	250	
C9ZK12WB0	G 1/2 F	White	Ø12	25	250	
C9ZK12BM0	G 1/2 F	Black	Ø12	25	250	
C9ZK12PB0	G 1/2 F	Polished brass	Ø12	25	250	
C9ZE12CL0	G 3/4 F	Chrome	Ø12	10	100	
C9ZE12QD0	G 3/4 F	Gold	Ø12	10	100	
C9ZE12BA0	G 3/4 F	Antique brass	Ø12	10	100	
C9ZE12RA0	G 3/4 F	Antique copper	Ø12	10	100	
C9ZE12CS0	G 3/4 F	Satin chrome	Ø12	10	100	
C9ZE12NZ0	G 3/4 F	Nickel brushed	Ø12	10	100	
C9ZE12WB0	G 3/4 F	White	Ø12	10	100	
C9ZE12BM0	G 3/4 F	Black	Ø12	10	100	
C9ZE12CB0	G 3/4 F	Black chrome	Ø12	10	100	
C9ZE12PB0	G 3/4 F	Polished brass	Ø12	10	100	



## C9Z

Ø 14



Fitting for copper pipe Ø14

Max working temperature: **95 °C**Max working pressure: **10 bar**

Code	Size	Finish	Pipe [mm]			€
C9ZK14QD0	G 1/2 F	Gold	Ø14	25	250	
C9ZK14BA0	G 1/2 F	Antique brass	Ø14	25	250	
C9ZK14RA0	G 1/2 F	Antique copper	Ø14	25	250	
C9ZK14CL0	G 1/2 F	Chrome	Ø14	25	250	
C9ZK14CB0	G 1/2 F	Black chrome	Ø14	25	250	
C9ZK14CS0	G 1/2 F	Satin chrome	Ø14	25	250	
C9ZK14NZ0	G 1/2 F	Nickel brushed	Ø14	25	250	
C9ZK14WB0	G 1/2 F	White	Ø14	25	250	
C9ZK14BM0	G 1/2 F	Black	Ø14	25	250	
C9ZK14PB0	G 1/2 F	Polished brass	Ø14	25	250	
C9ZE14CL0	G 3/4 F	Chrome	Ø14	10	100	
C9ZE14QD0	G 3/4 F	Gold	Ø14	10	100	
C9ZE14BA0	G 3/4 F	Antique brass	Ø14	10	100	
C9ZE14RA0	G 3/4 F	Antique copper	Ø14	10	100	
C9ZE14CS0	G 3/4 F	Satin chrome	Ø14	10	100	
C9ZE14NZ0	G 3/4 F	Nickel brushed	Ø14	10	100	
C9ZE14WB0	G 3/4 F	White	Ø14	10	100	
C9ZE14BM0	G 3/4 F	Black	Ø14	10	100	
C9ZE14CB0	G 3/4 F	Black chrome	Ø14	10	100	
C9ZE14PB0	G 3/4 F	Polished brass	Ø14	10	100	

# C9Z

Ø 15



Fitting for copper pipe Ø15

Max working temperature: **95 °C**

Max working pressure: **10 bar**



Code	Size	Finish	Pipe [mm]			€
C9ZK15QD0	G 1/2 F	Gold	Ø15	25	250	
C9ZK15BA0	G 1/2 F	Antique brass	Ø15	25	250	
C9ZK15RA0	G 1/2 F	Antique copper	Ø15	25	250	
C9ZK15CL0	G 1/2 F	Chrome	Ø15	25	250	
C9ZK15CB0	G 1/2 F	Black chrome	Ø15	25	250	
C9ZK15CS0	G 1/2 F	Satin chrome	Ø15	25	250	
C9ZK15NZ0	G 1/2 F	Nickel brushed	Ø15	25	250	
C9ZK15WB0	G 1/2 F	White	Ø15	25	250	
C9ZK15BM0	G 1/2 F	Black	Ø15	25	250	
C9ZK15PB0	G 1/2 F	Polished brass	Ø15	25	250	
C9ZE15CL0	G 3/4 F	Chrome	Ø15	10	100	
C9ZE15QD0	G 3/4 F	Gold	Ø15	10	100	
C9ZE15BA0	G 3/4 F	Antique brass	Ø15	10	100	
C9ZE15RA0	G 3/4 F	Antique copper	Ø15	10	100	
C9ZE15CS0	G 3/4 F	Satin chrome	Ø15	10	100	
C9ZE15NZ0	G 3/4 F	Nickel brushed	Ø15	10	100	
C9ZE15WB0	G 3/4 F	White	Ø15	10	100	
C9ZE15BM0	G 3/4 F	Black	Ø15	10	100	
C9ZE15CB0	G 3/4 F	Black chrome	Ø15	10	100	
C9ZE15PB0	G 3/4 F	Polished brass	Ø15	10	100	



## C9Z

Ø 16



Fitting for copper pipe Ø16

Max working temperature: **95 °C**Max working pressure: **10 bar**

Code	Size	Finish	Pipe [mm]			€
C9ZK16QD0	G 1/2 F	Gold	Ø16	25	250	
C9ZK16BA0	G 1/2 F	Antique brass	Ø16	25	250	
C9ZK16RA0	G 1/2 F	Antique copper	Ø16	25	250	
C9ZK16CL0	G 1/2 F	Chrome	Ø16	25	250	
C9ZK16CB0	G 1/2 F	Black chrome	Ø16	25	250	
C9ZK16CS0	G 1/2 F	Satin chrome	Ø16	25	250	
C9ZK16NZ0	G 1/2 F	Nickel brushed	Ø16	25	250	
C9ZK16WB0	G 1/2 F	White	Ø16	25	250	
C9ZK16BM0	G 1/2 F	Black	Ø16	25	250	
C9ZK16PB0	G 1/2 F	Polished brass	Ø16	25	250	
C9ZE16CL0	G 3/4 F	Chrome	Ø16	10	100	
C9ZE16QD0	G 3/4 F	Gold	Ø16	10	100	
C9ZE16BA0	G 3/4 F	Antique brass	Ø16	10	100	
C9ZE16RA0	G 3/4 F	Antique copper	Ø16	10	100	
C9ZE16CS0	G 3/4 F	Satin chrome	Ø16	10	100	
C9ZE16NZ0	G 3/4 F	Nickel brushed	Ø16	10	100	
C9ZE16WB0	G 3/4 F	White	Ø16	10	100	
C9ZE16BM0	G 3/4 F	Black	Ø16	10	100	
C9ZE16CB0	G 3/4 F	Black chrome	Ø16	10	100	
C9ZE16PB0	G 3/4 F	Polished brass	Ø16	10	100	

# C9Y

14x2

Fitting for multilayer pipe 14x2

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YK14QD9	G 1/2 F	Gold	14x2	25	250	
C9YK14BA9	G 1/2 F	Antique brass	14x2	25	250	
C9YK14RA9	G 1/2 F	Antique copper	14x2	25	250	
C9YK14CL9	G 1/2 F	Chrome	14x2	25	250	
C9YK14NZ9	G 1/2 F	Nickel brushed	14x2	25	250	
C9YK14CS9	G 1/2 F	Satin chrome	14x2	25	250	
C9YK14CB9	G 1/2 F	Black chrome	14x2	25	250	
C9YK14WB9	G 1/2 F	White	14x2	25	250	
C9YK14BM9	G 1/2 F	Black	14x2	25	250	
C9YK14PB9	G 1/2 F	Polished brass	14x2	25	250	
C9YE14CL9	G 3/4 F	Chrome	14x2	10	100	
C9YE14QD9	G 3/4 F	Gold	14x2	10	100	
C9YE14BA9	G 3/4 F	Antique brass	14x2	10	100	
C9YE14RA9	G 3/4 F	Antique copper	14x2	10	100	
C9YE14CS9	G 3/4 F	Satin chrome	14x2	10	100	
C9YE14NZ9	G 3/4 F	Nickel brushed	14x2	10	100	
C9YE14WB9	G 3/4 F	White	14x2	10	100	
C9YE14BM9	G 3/4 F	Black	14x2	10	100	
C9YE14CB9	G 3/4 F	Black chrome	14x2	10	100	
C9YE14PB9	G 3/4 F	Polished brass	14x2	10	100	

## C9Y

16x2

Fitting for multilayer pipe 16x2

Max working temperature: **95 °C**Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YK16QD9	G 1/2 F	Gold	16x2	25	250	
C9YK16BA9	G 1/2 F	Antique brass	16x2	25	250	
C9YK16RA9	G 1/2 F	Antique copper	16x2	25	250	
C9YK16CL9	G 1/2 F	Chrome	16x2	25	250	
C9YK16NZ9	G 1/2 F	Nickel brushed	16x2	25	250	
C9YK16CS9	G 1/2 F	Satin chrome	16x2	25	250	
C9YK16CB9	G 1/2 F	Black chrome	16x2	25	250	
C9YK16WB9	G 1/2 F	White	16x2	25	250	
C9YK16BM9	G 1/2 F	Black	16x2	25	250	
C9YK16PB9	G 1/2 F	Polished brass	16x2	25	250	
C9YE16CL9	G 3/4 F	Chrome	16x2	10	100	
C9YE16QD9	G 3/4 F	Gold	16x2	10	100	
C9YE16BA9	G 3/4 F	Antique brass	16x2	10	100	
C9YE16RA9	G 3/4 F	Antique copper	16x2	10	100	
C9YE16CS9	G 3/4 F	Satin chrome	16x2	10	100	
C9YE16NZ9	G 3/4 F	Nickel brushed	16x2	10	100	
C9YE16CB9	G 3/4 F	Black chrome	16x2	10	100	
C9YE16WB9	G 3/4 F	White	16x2	10	100	
C9YE16BM9	G 3/4 F	Black	16x2	10	100	
C9YE16PB9	G 3/4 F	Polished brass	16x2	10	100	

## C9Y

16 x 2,25

Fitting for multilayer pipe 16x2,25

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YK16QD8	G 1/2 F	Gold	16x2,25	25	250	
C9YK16BA8	G 1/2 F	Antique brass	16x2,25	25	250	
C9YK16RA8	G 1/2 F	Antique copper	16x2,25	25	250	
C9YK16CL8	G 1/2 F	Chrome	16x2,25	25	250	
C9YK16NZ8	G 1/2 F	Nickel brushed	16x2,25	25	250	
C9YK16CS8	G 1/2 F	Satin chrome	16x2,25	25	250	
C9YK16CB8	G 1/2 F	Black chrome	16x2,25	25	250	
C9YK16WB8	G 1/2 F	White	16x2,25	25	250	
C9YK16BM8	G 1/2 F	Black	16x2,25	25	250	
C9YK16PB8	G 1/2 F	Polished brass	16x2,25	25	250	
C9YE16CL8	G 3/4 F	Chrome	16x2,25	10	100	
C9YE16QD8	G 3/4 F	Gold	16x2,25	10	100	
C9YE16BA8	G 3/4 F	Antique brass	16x2,25	10	100	
C9YE16RA8	G 3/4 F	Antique copper	16x2,25	10	100	
C9YE16CS8	G 3/4 F	Satin chrome	16x2,25	10	100	
C9YE16NZ8	G 3/4 F	Nickel brushed	16x2,25	10	100	
C9YE16WB8	G 3/4 F	White	16x2,25	10	100	
C9YE16BM8	G 3/4 F	Black	16x2,25	10	100	
C9YE16CB8	G 3/4 F	Black chrome	16x2,25	10	100	
C9YE16PB8	G 3/4 F	Polished brass	16x2,25	10	100	



## C9Y

18 x 2

Fitting for multilayer pipe 18x2

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YE18CL9	G 3/4 F	Chrome	18x2	10	100	
C9YE18QD9	G 3/4 F	Gold	18x2	10	100	
C9YE18BA9	G 3/4 F	Antique brass	18x2	10	100	
C9YE18RA9	G 3/4 F	Antique copper	18x2	10	100	
C9YE18CS9	G 3/4 F	Satin chrome	18x2	10	100	
C9YE18NZ9	G 3/4 F	Nickel brushed	18x2	10	100	
C9YE18WB9	G 3/4 F	White	18x2	10	100	
C9YE18BM9	G 3/4 F	Black	18x2	10	100	
C9YE18CB9	G 3/4 F	Black chrome	18x2	10	100	
C9YE18PB9	G 3/4 F	Polished brass	18x2	10	100	



## C9Y

20 x 2

Fitting for multilayer pipe 20x2

Max working temperature: **95 °C**Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YE20CL9	G 3/4 F	Chrome	20x2	10	100	
C9YE20QD9	G 3/4 F	Gold	20x2	10	100	
C9YE20BA9	G 3/4 F	Antique brass	20x2	10	100	
C9YE20RA9	G 3/4 F	Antique copper	20x2	10	100	
C9YE20CS9	G 3/4 F	Satin chrome	20x2	10	100	
C9YE20NZ9	G 3/4 F	Nickel brushed	20x2	10	100	
C9YE20WB9	G 3/4 F	White	20x2	10	100	
C9YE20BM9	G 3/4 F	Black	20x2	10	100	
C9YE20CB9	G 3/4 F	Black chrome	20x2	10	100	
C9YE20PB9	G 3/4 F	Polished brass	20x2	10	100	



## C9Y

20 x 2,5

Fitting for multilayer pipe 20x2,5

Max working temperature: **95 °C**Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness



Code	Size	Finish	Pipe [mm]			€
C9YE20CL7	G 3/4 F	Chrome	20x2,5	10	100	
C9YE20QD7	G 3/4 F	Gold	20x2,5	10	100	
C9YE20BA7	G 3/4 F	Antique brass	20x2,5	10	100	
C9YE20RA7	G 3/4 F	Antique copper	20x2,5	10	100	
C9YE20CS7	G 3/4 F	Satin chrome	20x2,5	10	100	
C9YE20NZ7	G 3/4 F	Nickel brushed	20x2,5	10	100	
C9YE20WB7	G 3/4 F	White	20x2,5	10	100	
C9YE20BM7	G 3/4 F	Black	20x2,5	10	100	
C9YE20CB7	G 3/4 F	Black chrome	20x2,5	10	100	
C9YE20PB7	G 3/4 F	Polished brass	20x2,5	10	100	





# C9X



14x2

Fitting for polyethylene pipe 14x2

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9XK14QD9	G 1/2 F	Gold	14x2	25	250	
C9XK14BA9	G 1/2 F	Antique brass	14x2	25	250	
C9XK14RA9	G 1/2 F	Antique copper	14x2	25	250	
C9XK14CL9	G 1/2 F	Chrome	14x2	25	250	
C9XK14NZ9	G 1/2 F	Nickel brushed	14x2	25	250	
C9XK14CS9	G 1/2 F	Satin chrome	14x2	25	250	
C9XK14CB9	G 1/2 F	Black chrome	14x2	25	250	
C9XK14WB9	G 1/2 F	White	14x2	25	250	
C9XK14BM9	G 1/2 F	Black	14x2	25	250	
C9XK14PB9	G 1/2 F	Polished brass	14x2	25	250	
C9XE14CL9	G 3/4 F	Chrome	14x2	10	100	
C9XE14QD9	G 3/4 F	Gold	14x2	10	100	
C9XE14BA9	G 3/4 F	Antique brass	14x2	10	100	
C9XE14RA9	G 3/4 F	Antique copper	14x2	10	100	
C9XE14CS9	G 3/4 F	Satin chrome	14x2	10	100	
C9XE14NZ9	G 3/4 F	Nickel brushed	14x2	10	100	
C9XE14WB9	G 3/4 F	White	14x2	10	100	
C9XE14BM9	G 3/4 F	Black	14x2	10	100	
C9XE14CB9	G 3/4 F	Black chrome	14x2	10	100	
C9XE14PB9	G 3/4 F	Polished brass	14x2	10	100	





## C9X

16x2

Fitting for polyethylene pipe 16x2

Max working temperature: **95 °C**Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9XK16QD9	G 1/2 F	Gold	16x2	25	250	
C9XK16BA9	G 1/2 F	Antique brass	16x2	25	250	
C9XK16RA9	G 1/2 F	Antique copper	16x2	25	250	
C9XK16CL9	G 1/2 F	Chrome	16x2	25	250	
C9XK16NZ9	G 1/2 F	Nickel brushed	16x2	25	250	
C9XK16CS9	G 1/2 F	Satin chrome	16x2	25	250	
C9XK16CB9	G 1/2 F	Black chrome	16x2	25	250	
C9XK16WB9	G 1/2 F	White	16x2	25	250	
C9XK16BM9	G 1/2 F	Black	16x2	25	250	
C9XK16PB9	G 1/2 F	Polished brass	16x2	25	250	
C9XE16CL9	G 3/4 F	Chrome	16x2	10	100	
C9XE16QD9	G 3/4 F	Gold	16x2	10	100	
C9XE16BA9	G 3/4 F	Antique brass	16x2	10	100	
C9XE16RA9	G 3/4 F	Antique copper	16x2	10	100	
C9XE16CS9	G 3/4 F	Satin chrome	16x2	10	100	
C9XE16NZ9	G 3/4 F	Nickel brushed	16x2	10	100	
C9XE16WB9	G 3/4 F	White	16x2	10	100	
C9XE16BM9	G 3/4 F	Black	16x2	10	100	
C9XE16CB9	G 3/4 F	Black chrome	16x2	10	100	
C9XE16PB9	G 3/4 F	Polished brass	16x2	10	100	



## C9X



16 x 2,25

Fitting for polyethylene pipe 16x2,25

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9XK16QD8	G 1/2 F	Gold	16x2,25	25	250	
C9XK16BA8	G 1/2 F	Antique brass	16x2,25	25	250	
C9XK16RA8	G 1/2 F	Antique copper	16x2,25	25	250	
C9XK16CL8	G 1/2 F	Chrome	16x2,25	25	250	
C9XK16NZ8	G 1/2 F	Nickel brushed	16x2,25	25	250	
C9XK16CS8	G 1/2 F	Satin chrome	16x2,25	25	250	
C9XK16CB8	G 1/2 F	Black chrome	16x2,25	25	250	
C9XK16WB8	G 1/2 F	White	16x2,25	25	250	
C9XK16BM8	G 1/2 F	Black	16x2,25	25	250	
C9XK16PB8	G 1/2 F	Polished brass	16x2,25	25	250	
C9XE16CL8	G 3/4 F	Chrome	16x2,25	10	100	
C9XE16QD8	G 3/4 F	Gold	16x2,25	10	100	
C9XE16BA8	G 3/4 F	Antique brass	16x2,25	10	100	
C9XE16RA8	G 3/4 F	Antique copper	16x2,25	10	100	
C9XE16CS8	G 3/4 F	Satin chrome	16x2,25	10	100	
C9XE16NZ8	G 3/4 F	Nickel brushed	16x2,25	10	100	
C9XE16WB8	G 3/4 F	White	16x2,25	10	100	
C9XE16BM8	G 3/4 F	Black	16x2,25	10	100	
C9XE16CB8	G 3/4 F	Black chrome	16x2,25	10	100	
C9XE16PB8	G 3/4 F	Polished brass	16x2,25	10	100	



## C9X



18 x 2

Fitting for polyethylene pipe 18x2

Max working temperature: **95 °C**

Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9XE18CL9	G 3/4 F	Chrome	18x2	10	100	
C9XE18QD9	G 3/4 F	Gold	18x2	10	100	
C9XE18BA9	G 3/4 F	Antique brass	18x2	10	100	
C9XE18RA9	G 3/4 F	Antique copper	18x2	10	100	
C9XE18CS9	G 3/4 F	Satin chrome	18x2	10	100	
C9XE18NZ9	G 3/4 F	Nickel brushed	18x2	10	100	
C9XE18WB9	G 3/4 F	White	18x2	10	100	
C9XE18BM9	G 3/4 F	Black	18x2	10	100	
C9XE18CB9	G 3/4 F	Black chrome	18x2	10	100	
C9XE18PB9	G 3/4 F	Polished brass	18x2	10	100	





## C9X

20 x 2

Fitting for polyethylene pipe 20x2

Max working temperature: **95 °C**Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9XE20CL9	G 3/4 F	Chrome	20x2	10	100	
C9XE20QD9	G 3/4 F	Gold	20x2	10	100	
C9XE20BA9	G 3/4 F	Antique brass	20x2	10	100	
C9XE20RA9	G 3/4 F	Antique copper	20x2	10	100	
C9XE20CS9	G 3/4 F	Satin chrome	20x2	10	100	
C9XE20NZ9	G 3/4 F	Nickel brushed	20x2	10	100	
C9XE20WB9	G 3/4 F	White	20x2	10	100	
C9XE20BM9	G 3/4 F	Black	20x2	10	100	
C9XE20CB9	G 3/4 F	Black chrome	20x2	10	100	
C9XE20PB9	G 3/4 F	Polished brass	20x2	10	100	





## C9X

20 x 2,5

Fitting for polyethylene pipe 20x2,5

Max working temperature: **95 °C**Max working pressure: **10 bar**

Pipe [mm]=Outer diameter x thickness

Code	Size	Finish	Pipe [mm]			€
C9XE20CL7	G 3/4 F	Chrome	20x2,5	10	100	
C9XE20QD7	G 3/4 F	Gold	20x2,5	10	100	
C9XE20BA7	G 3/4 F	Antique brass	20x2,5	10	100	
C9XE20RA7	G 3/4 F	Antique copper	20x2,5	10	100	
C9XE20CS7	G 3/4 F	Satin chrome	20x2,5	10	100	
C9XE20NZ7	G 3/4 F	Nickel brushed	20x2,5	10	100	
C9XE20WB7	G 3/4 F	White	20x2,5	10	100	
C9XE20BM7	G 3/4 F	Black	20x2,5	10	100	
C9XE20CB7	G 3/4 F	Black chrome	20x2,5	10	100	
C9XE20PB7	G 3/4 F	Polished brass	20x2,5	10	100	





01A.25	54	14D.10	35, 52, 62, 80	38D.1T	72, 166, 172
01A.40	111	14D.16	128	38D.2	73, 172
01G.DN20	50	14D.17	128	38D.DN20.1	54
01G.DN25	57	14D.18	45	38D.DN25	72, 172
01G.DN32	78	015	150	38D.DN32	83, 172
01G.DN40	88	15D	126	38G.14.DN25	66
01G.DN50	92	15G.DN25	64	39A.DN40	88
01G.DN65	96	16B.N	110, 201	39A.DN50	92
01S	121	16M	106	39A.DN65	96
02C.10	66	17AK.DN32	85	39D	73, 166
02C.HE	66	17B.N	105	39D.DN20	54, 166
02D-31D	127	17B.1.N	105	39G.DN25	60
02G.DN20	50	18B.N	105	040	152
02G.DN25	58	18B.1.N	105	40D	74, 203
03C	22	18D	126	40D.1.DN20	53, 203
03D	125	18D.1	126	40D.2	74, 204
03G.DN25	61	19G.DN32	79	40D.2.DN32	84, 204
04AK.65	128	020	147	40D.6	91, 95
04AK.70	128	20AK.DN25	76	40D.C	74, 204
04C	23, 112	20G.DN25	64	40D.DN20	53, 203
04C.3	22, 113	020K	147	40D.DN32	84, 203
04D	125	020KV	127, 147	40D.L	74, 204
005	146	20M.01	70	41A.DN40	88
05A.DN25	77	21M.01	70	41A.DN50	92
05A.DN32	85	22AK	128	41A.DN65	96
05B	109, 143	22M.01	70	41D	31, 53, 68, 81
05BI	110	23G.DN25	57	41G.DN25	57
05G.DN25	61	024	151	42D.DN20	51
005K	146	24AK.DN32	85	42D.DN25	76
005KV	127, 146	24G.DN25	59	42D.DN32	84
05S	124	025	151	43D.02	45
006	148	25AK.DN20	45, 54	43D.03	91, 95, 99
06D	126, 173	25G.DN25	60	43D.04	77
006KV	148	27B.N	100	43D.DN20	54
06M	106	27S	122	43D.DN25	76
007	148	028	152	43D.DN32	85
07B.N	105	28AK.DN25	76	43D.DN40	91
07D	126, 173	28B.N	104	43D.DN50	95
07G.04.DN20	50	28S	122	43D.DN65	99
07G.06.DN32	78	029	150	44D.DN25	74, 201
07G.DN20	51	29A.25	45, 54	44D.DN32	83, 202
07G.DN25	60	29A.40	111	045	152
07G.DN32	78	29B.N	103	45AK	128
07G.DN40	88	030	152	47G.DN25	61
07G.DN50	92	30A	76	049	160
07G.DN65	96	30B.N	102	049.1	160
007KV	148	30D	126	050	160
07M	106	31AK	111	050.2	160
07S	120	31G.DN25	57	50D.M50	83, 166
008	149	32G.DN25	58	51D	31, 68, 81
008KV	149	33D	125	51D.DN20	31, 53
08M	106	33G.DN25	61	52D	68
09G.DN25	60	34D	125	52D025.01	72
09S	123	35G.DN25	61	52D025.02	72
010	150	036.7	202	52D025.03	72
11D.120	76, 84	036.TI	74, 203	52D032.01	83
11D.160	127	37D.1	73, 173	52D032.02	83
12D	125, 202	37D.1T	73, 173	52D040.01	91
12S	123	37D.DN20.1	54	52D050.01	95
014	150	37D.DN25	73, 173	52D050.03	91, 95
14D	77, 85, 128	37D.DN32	83, 173	52D.DN20	53
14D.2	45, 54, 76, 85, 111, 128	37G.DN25	60	053A	161
14D.3	128	38A.DN40	88	53D.S.DN20	53
14D.4	125	38A.DN50	92	53D.S.DN25	76
14D.5	45, 54, 77, 111	38A.DN65	96	54D	163
14D.6	125	38D.1	72, 172	55D	113



055.P	202	B1G	177	B4A	232
57D	159	B1H	177	B4B	233
58D.2	90, 94, 99	B1J	178	B4C	232
58D.3	90, 94, 98	B1K	178	B4D	234
58D.4	98	B1L	178	B4E	235
58D.5	90, 94, 98	B1M	178	B4F	234
060	153	B1N	179	B4H	237
61G.DN20	48	B1P	179	B4J	237
62G.DN20	49	B1Q	179	B4K	237
63G.DN20	48	B1R	179	B4L	240
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