



PROFACTOR[®]
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT CODE

PF MV 275.2
PF MV 275.3
PF MV 275.4

**MANIFOLDS WITH VALVES
FOR FLAT GASKET**

1. PURPOSE AND SCOPE

Manifolds are used in water distribution systems, domestic services and heating systems. Each pipe of the system is connected to a manifold, which allows the regulation and control of fluid flow individually in each line with manual controls.

Manifolds are used on pipelines transporting liquid media, non-aggressive to the materials of the device (water, antifreeze based on ethylene glycol). The maximum content of ethylene glycol in antifreeze is 30%. Antifreeze should apply if systems operate at temperatures below 0°C.

2. TECHNICAL SPECIFICATIONS

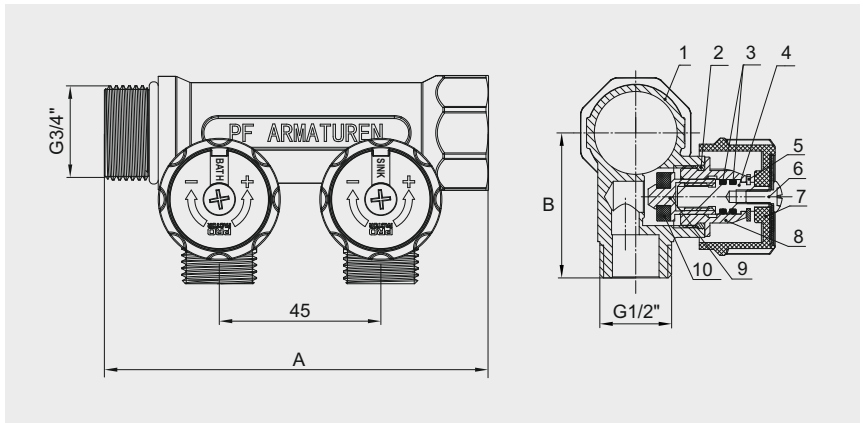
Nominal pressure, PN: 10 bar

Minimum fluid temperature: – 20°C

Maximum fluid temperature: 95°C

Product Code	PF MV	275.2	275.3	275.4
Threaded connection	DN	20		
	G	3/4"		
Number of outlets	—	2	3	4
Side outlets thread	G	1/2"		
Length, A	mm	107	152	197
B	mm	43		
Weight	g	419	598	776

3. DESIGN



- | | |
|--------------------|---------------------|
| 1 – Body | 6 – Screw |
| 2 – Sealing ring | 7 – Knob |
| 3 – Sealing rings | 8 – Head |
| 4 – Rod | 9 – Slider |
| 5 – Retaining ring | 10 – Shutter gasket |

MATERIALS:

Body — Brass CW617N with chrome-plated

Sealing ring — EPDM

Sealing rings — EPDM

Rod — Brass CW617N

Retaining ring — Brass CW617N

Screw — Cink Steel

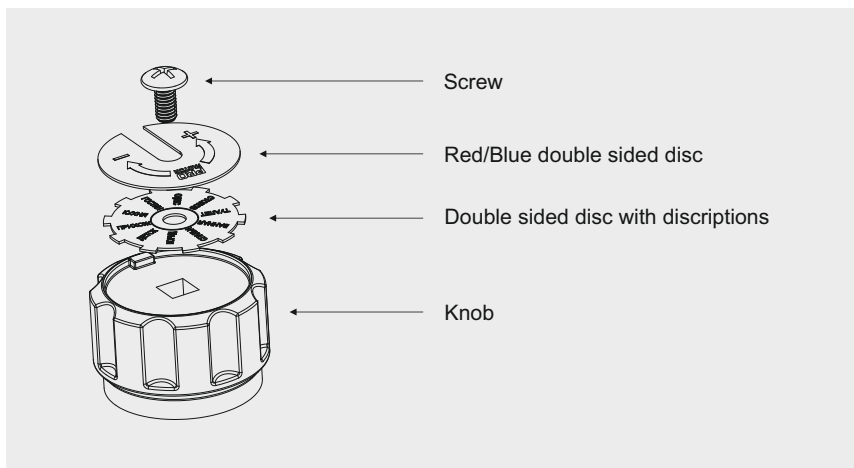
Knob — Polymer ABS

Head — Brass CW617N

Slider — Brass CW617N

Shutter gasket — EPDM

Manifolds have nameplates, they are located in the valve handles, each plate has a color designation — hot/cold water and the name of connected consumer.



All pipe threads are in an accordance with ISO 228-1:2000, DIN EN 10226-2005. Metric threads are in an accordance with ISO 261:1998.

The manifold is made of CW617N brass according to the European standard DIN EN 12165-2011. Distance between the centers of the outlets — 45 mm.

4. DESCRIPTION

Valves located on each outlet make it possible to isolate any connected consumer direct from the manifold during installation, maintenance, or replacement operations.

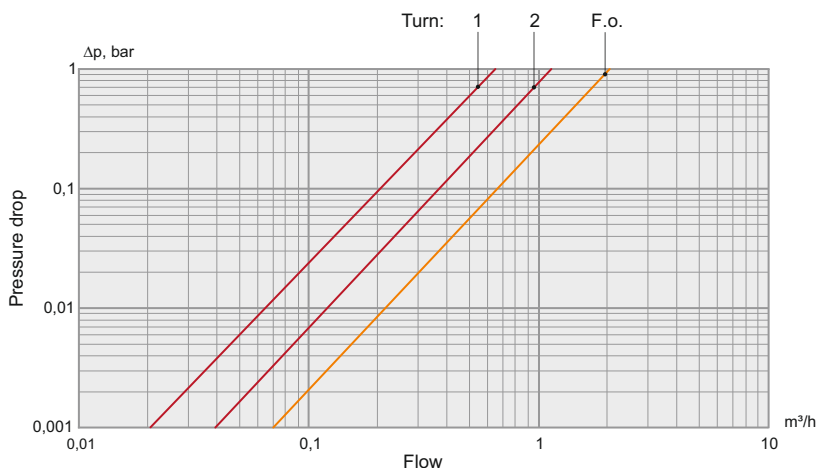
When the knob is rotated clockwise, the valve closes the outlet. Turning the handle counterclockwise opens the outlet.

5. HYDRAULIC CHARACTERISTICS

Flow of valve:

Number of knob turns	1	2	Full opening
Kv, m ³ /h	0,65	1,50	2,05

Pressure drop diagram:



6. INSTALLATION INSTRUCTIONS

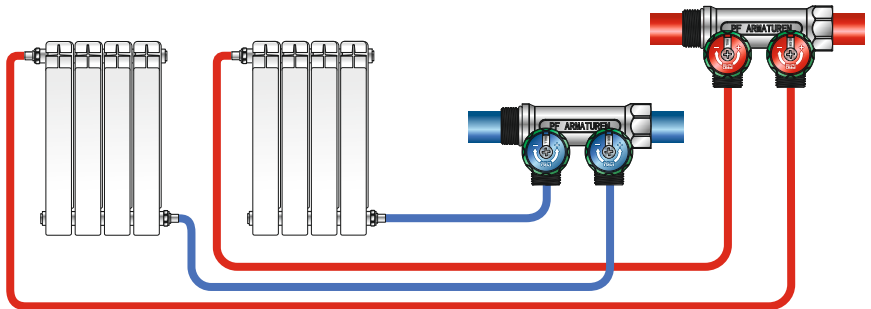
The manifold can be installed at any mounting position.

When using PTFE-tape, polyamide thread or flax, care should be taken not to get material into body of valve. This could damage the valve.

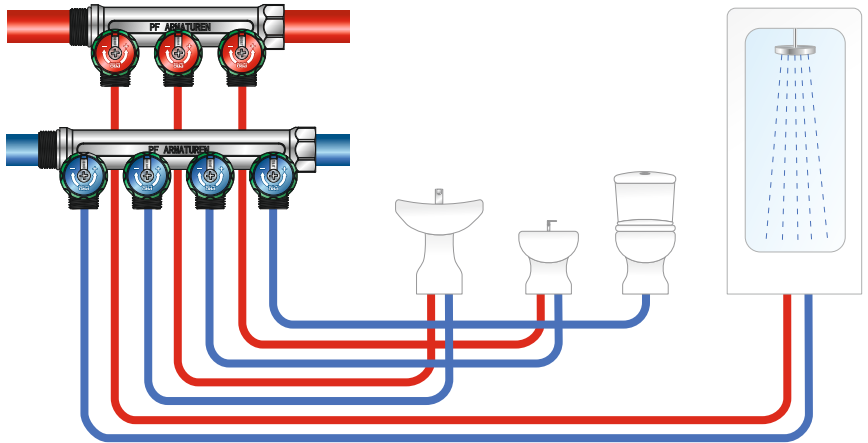
Manifolds must operate within the range of characteristics specified in paragraph 2. TECHNICAL SPECIFICATIONS.

Manifold installation and deinstallation and repairs must be carried out without pressure in the system. Allow the equipment to cool down to ambient temperature.

Example of installation in a heating system:



Example of installation in a domestic system:



7. DISPOSAL

The disposal of PROFACTOR® — Drinking water manifolds systems must not endanger the health or the environment. National legal regulations for proper disposal of the PROFACTOR® — Drinking water manifolds systems have to be followed.

8. WARRANTY OBLIGATIONS

The warranty period is 24 months from the date of sale to the end consumer. Throughout the entire warranty period, the manufacturer guarantees the proper functioning of the product and its compliance with safety requirements, provided that the consumer follows the rules for storage, transportation, installation, operation, and maintenance of the product. The warranty covers all defects arising through the manufacturer's fault.

The warranty does not cover defects resulting from:

- Violation of storage, transportation, installation, operation, or maintenance conditions;
- Exposure to substances aggressive to the materials of the product;
- Signs of mechanical damage;
- Damage caused by fire, natural disasters, or other force majeure circumstances;
- Damage caused by improper actions of the user;
- Evidence of unauthorized interference with the product design.

The product described in this technical manual is a technically complex device that must be installed by a qualified specialist with appropriate experience working with this type of equipment.

Installation and commissioning must be carried out by an authorized and certified company.

Profactor Armaturen GmbH reserves the right to make changes to the product design that do not affect its technical characteristics or functional features.



INTERNATIONAL WARRANTY CARD

NAME OF THE PRODUCT

PRODUCT CODE, SIZE

QUANTITY

SELLER NAME AND ADDRESS

DATE OF PURCHASE

SELLER STAMP

SELLER SIGNATURE

For the warranty term refer to the Warranty obligation clause in the technical manual

FOLD LINE

FOLD LINE

In case of any claims to the product quality the following documents should be submitted:

1. Application with customer and product details:

- Name of the customer, actual address and phone number
- Article of the product
- Reason for the claim and photo
- Plumbing system where installed (name, address, phone number)

2. Invoice copy and receipt

3. Warranty card

RETURN/EXCHANGE COMMENTS

DATE

SIGNATURE



Profactor Armaturen GmbH

Ruffinallee 9, c/o Kanzlei Antegra, 82166 Gräfelfing, Germany;
Tel.: +49 89 21546092; info@pf-armaturen.de; www.profactor.de