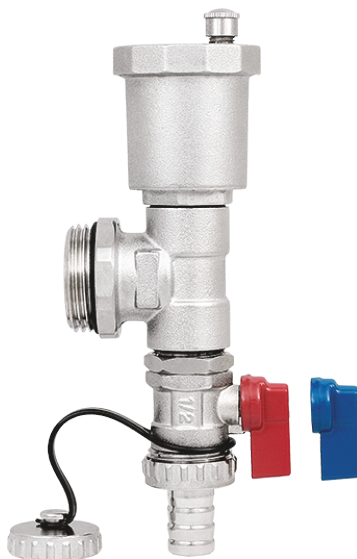




PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT
CODE

PF MB 813RB
PF MB 814RB

**MANIFOLD TEE WITH
AIR VENT VALVE AND DRAIN VALVE**

1. PURPOSE AND SCOPE

The manifold tee with air vent valve and drain valve is designed for installation on underfloor heating and radiator heating system manifolds.

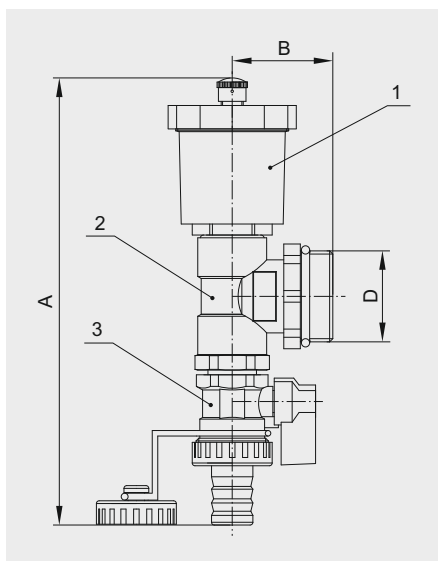
2. TECHNICAL SPECIFICATIONS

- Maximum operating medium temperature: +110°C
- Maximum ambient temperature: +60°C
- Maximum pressure: 10 bar
- Average service life: 20 years

3. DESIGN

The PROFACOR® manifold tee assembly includes the following components: Automatic air vent valve PF DV 571.15 (1); Brass tee PF MB 811 (2); Drain valve PF BBC 399.15 (3). These components are assembled together. The tee is supplied with two colored metal handles (red and blue) to indicate hot and cold water lines.

Each component of the manifold tee has its own technical datasheet (available on the website of company), which is not included in this document.



1 – Automatic air vent valve (PF DV 571.15)

2 – Brass tee (PF MB 811)

3 – Drain valve (PF BBC 399.15)

4. NOMENCLATURE AND DIMENSIONS

Product Code	DN	G	A, mm	B, mm	Weight, g
PF MB 813RB	20	3/4"	163	37	400
PF MB 814RB	25	1"	163	37	420

5. INSTALLATION INSTRUCTIONS

The device is supplied to the consumer fully assembled and ready for operation, requiring no additional adjustment.

The manifold tee must be installed vertically at the end of the manifold, with the air vent valve facing upward.

Installation of the tee is recommended using open-end wrenches.

The use of additional sealing materials during connection is not required.

The manifold tee must be operated under the conditions specified in the technical specifications (see p. 2).

After installation, a pressure test for system tightness must be carried out. This test ensures the system's integrity and prevents possible leakage and related damage.

6. OPERATION AND MAINTENANCE

To bring the manifold tee into operating mode, slightly loosen (but do not remove) the cap of the automatic air vent valve located on its top.

For reliable long-term operation, it is recommended to open and close the drain valve once every six months as preventive maintenance. When attaching flexible hoses to the drain valve fitting, use standard screw clamps. The use of wire or other non-standard fastening materials for hose attachment is strictly prohibited.

The manifold tee can be used in systems that employ a special heat-transfer fluid specifically designed for such applications, with an ethylene glycol content not exceeding 50%.

Installation, removal, and any repair or adjustment operations must be performed only when the system is depressurized. Allow the equipment to cool down to ambient temperature before servicing. It is necessary to regularly check the air vent's functionality, at least once every 12 months.

7. WARRANTY OBLIGATIONS

The warranty period is 12 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



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