



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

TECHNICAL DATA SHEET AND USER MANUAL



**PRODUCT
CODE**

PF MB 837.25

**MANIFOLD END PIECE
(AIR VENT VALVE WITH
INTEGRATED DRAIN VALVE)**

1. PURPOSE AND SCOPE

The manifold end piece is designed for automatic air removal from the system and draining of the heat transfer fluid during maintenance. Equipped with a built-in air vent valve and a drain valve, it ensures reliable operation and ease of use for manifold in heating and water-based underfloor heating systems.

2. TECHNICAL SPECIFICATIONS

Maximum operating temperature: +110°C

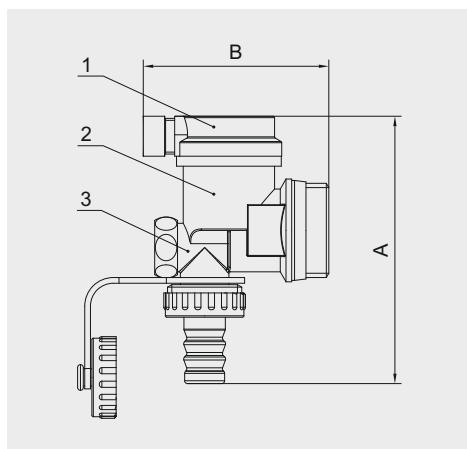
Maximum ambient temperature: +60°C

Maximum pressure: 10 bar

Working medium: water, water-glycol solutions

Average total service life: 20 years

3. DESIGN



1 – Automatic air vent valve

2 – Body

3 – Drain valve

All parts are made of nickel-plated brass grade CW617N.

4. NOMENCLATURE AND DIMENSIONS

Product Code	DN	G	A, mm	B, mm	Weight, g
PF MB 837.25	25	1"	90	63	260

5. INSTALLATION INSTRUCTIONS

The device is supplied to the consumer fully operational and requires no additional adjustment.

The manifold end piece is installed vertically at the end of the manifold, with the air vent valve facing upwards.

It is recommended to install the end piece using open-end wrenches.

The use of additional sealing material for making the connection is not required.

The end piece must be operated under the conditions specified in the list of technical characteristics (see p. 2).

After installation, a pressure test for system leak tightness must be performed. This test helps to protect the system from leaks and associated damage.

6. OPERATION AND MAINTENANCE

To bring the manifold end piece into operation, slightly loosen (without removing) the cap of the automatic air vent valve located on its cover.

For proper long-term operation, it is recommended to operate (open/close) the drain valve once every six months as a preventive measure. Flexible hoses should be attached to the drain valve connection using standard screw-type clamps. Using wire of any kind to secure hoses is prohibited.

The end piece can be used in systems employing a specially designed heat transfer fluid with an ethylene glycol content not exceeding 50%.

Installation, removal, and any repair or adjustment operations must be performed when the system is depressurized.

Allow the equipment to cool down to ambient temperature. The air vent valve's functionality must be checked regularly, 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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