



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL

PRODUCT CODE

PF MF 258.2 –
PF MF 258.12

PF MF 259.2 –
PF MF 259.12

PF MF 260.2 –
PF MF 260.12

PF MF 261.2 –
PF MF 261.12

PF MF 260.2 DS –
PF MF 260.12 DS



BRASS MANIFOLD

1. PURPOSE AND SCOPE

Brass manifolds are used in water supply systems and hydronic radiator or underfloor heating systems for distributing and regulating the working medium within the system.

Each pipe in the water supply, heating, or underfloor heating system is connected to the manifold, allowing for individual adjustment and control of the heat carrier flow in each circulation loop. Brass manifolds can be used in pipelines that transport liquid media non-aggressive to the product materials (such as water or ethylene glycol-based antifreeze). The maximum ethylene glycol concentration in the antifreeze must not exceed 30%. Antifreeze should be used when the system design parameters indicate a medium temperature below 0°C.

2. TECHNICAL SPECIFICATIONS

Nominal size: DN20, DN25, DN32

Connection to pipeline: 3/4", 1", 1 1/4" Internal thread (F)

Connection of circuits (side outlets): 1/2" Internal thread (F)

Number of side outlets: 2 – 12

Nominal (rated) pressure, PN: 16 bar

Operating medium temperature: –20°C to +120°C

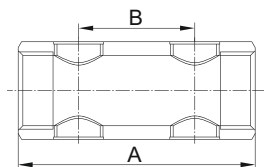
3. DESIGN

PROFACTOR® brass manifolds are manufactured by hot forging and precision turning from brass grade CW617N (according to DIN EN 12165).

For additional corrosion protection and enhanced appearance, certain models of PROFACTOR® brass manifolds (such as PF MF260 DS) are produced with nickel-plated surfaces. The nickel coating is applied by electroplating.

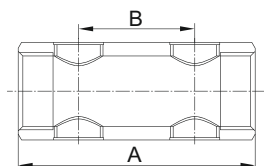
All cylindrical pipe threads are in an accordance with DIN EN ISO 228-1.

4. NOMENCLATURE AND DIMENSIONS



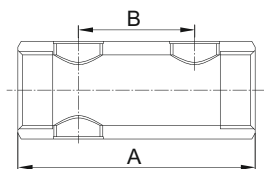
Double-sided internal thread manifold

Product Code	G	DN	A, mm	B, mm	Weight g
PF MF 260.2	1" x 1/2"F (2)	25	100	50	365
PF MF 260.3	1" x 1/2"F (3)	25	150	50	559
PF MF 260.4	1" x 1/2"F (4)	25	200	50	752
PF MF 260.5	1" x 1/2"F (5)	25	250	50	946
PF MF 260.6	1" x 1/2"F (6)	25	300	50	1140
PF MF 260.7	1" x 1/2"F (7)	25	350	50	1334
PF MF 260.8	1" x 1/2"F (8)	25	400	50	1528
PF MF 260.9	1" x 1/2"F (9)	25	450	50	1722
PF MF 260.10	1" x 1/2"F (10)	25	500	50	1916
PF MF 260.11	1" x 1/2"F (11)	25	550	50	2110
PF MF 260.12	1" x 1/2"F (12)	25	600	50	2304
PF MF 261.2	1 1/4" x 1/2"F (2)	32	100	50	471
PF MF 261.3	1 1/4" x 1/2"F (3)	32	150	50	718
PF MF 261.4	1 1/4" x 1/2"F (4)	32	200	50	966
PF MF 261.5	1 1/4" x 1/2"F (5)	32	250	50	1213
PF MF 261.6	1 1/4" x 1/2"F (6)	32	300	50	1459
PF MF 261.7	1 1/4" x 1/2"F (7)	32	350	50	1707
PF MF 261.8	1 1/4" x 1/2"F (8)	32	400	50	1953
PF MF 261.9	1 1/4" x 1/2"F (9)	32	450	50	2201
PF MF 261.10	1 1/4" x 1/2"F (10)	32	500	50	2448
PF MF 261.11	1 1/4" x 1/2"F (11)	32	550	50	2695
PF MF 261.12	1 1/4" x 1/2"F (12)	32	600	50	2943



Double-sided internal thread nickel-plated manifold

Product Code	G	DN	A, mm	B, mm	Weight g
PF MF 260.2 DS	1" x 1/2"F (2)	25	100	50	365
PF MF 260.3 DS	1" x 1/2"F (3)	25	150	50	559
PF MF 260.4 DS	1" x 1/2"F (4)	25	200	50	752
PF MF 260.5 DS	1" x 1/2"F (5)	25	250	50	946
PF MF 260.6 DS	1" x 1/2"F (6)	25	300	50	1140
PF MF 260.7 DS	1" x 1/2"F (7)	25	350	50	1334
PF MF 260.8 DS	1" x 1/2"F (8)	25	400	50	1528
PF MF 260.9 DS	1" x 1/2"F (9)	25	450	50	1722
PF MF 260.10 DS	1" x 1/2"F (10)	25	500	50	1916
PF MF 260.11 DS	1" x 1/2"F (11)	25	550	50	2110
PF MF 260.12 DS	1" x 1/2"F (12)	25	600	50	2304



Single-sided internal thread manifold

Product Code	G	DN	A, mm	B, mm	Weight g
PF MF 258.2	3/4" x 1/2"F (2)	20	100	50	292
PF MF 258.3	3/4" x 1/2"F (3)	20	150	50	455
PF MF 258.4	3/4" x 1/2"F (4)	20	200	50	617
PF MF 258.5	3/4" x 1/2"F (5)	20	250	50	780
PF MF 258.6	3/4" x 1/2"F (6)	20	300	50	942
PF MF 258.7	3/4" x 1/2"F (7)	20	350	50	1105
PF MF 258.8	3/4" x 1/2"F (8)	20	400	50	1268
PF MF 258.9	3/4" x 1/2"F (9)	20	450	50	1430
PF MF 258.10	3/4" x 1/2"F (10)	20	500	50	1593
PF MF 258.11	3/4" x 1/2"F (11)	20	550	50	1755
PF MF 258.12	3/4" x 1/2"F (12)	20	600	50	1918
PF MF 259.2	1" x 1/2"F (2)	25	100	50	382
PF MF 259.3	1" x 1/2"F (3)	25	150	50	593
PF MF 259.4	1" x 1/2"F (4)	25	200	50	804
PF MF 259.5	1" x 1/2"F (5)	25	250	50	1015
PF MF 259.6	1" x 1/2"F (6)	25	300	50	1226
PF MF 259.7	1" x 1/2"F (7)	25	350	50	1437
PF MF 259.8	1" x 1/2"F (8)	25	400	50	1648
PF MF 259.9	1" x 1/2"F (9)	25	450	50	1859
PF MF 259.10	1" x 1/2"F (10)	25	500	50	2071
PF MF 259.11	1" x 1/2"F (11)	25	550	50	2282
PF MF 259.12	1" x 1/2"F (12)	25	600	50	2493

5. INSTALLATION INSTRUCTIONS

Before installing the manifold, the pipeline must be cleaned of scale and rust. Heating, heat supply, domestic cold and hot water systems, and boiler pipelines must be flushed with water after installation until the water runs clear and contains no suspended particles. The manifold can be installed in any position, connecting to the pipeline via cylindrical pipe threads.

The manifold must not be subjected to mechanical loads from the pipeline (such as bending, compression, tension, torsion, misalignment, vibration, or uneven tightening of fasteners). If necessary, supports or compensators must be provided to reduce the load on the manifold from the pipeline. The misalignment of connected pipelines must not exceed 3 mm per 1 meter of length, plus 1 mm for each additional meter. It is recommended to install manual shut-off ball valves at the manifold inlets.

The product must be securely fixed to the pipeline, and leakage of the working fluid through threaded joints is not permitted. Threaded connections must be made using PTFE-tape (polytetrafluoroethylene sealing material), polyamide thread with silicone, or flax fiber. After installation, a pressure test of the system's tightness must be carried out. This test ensures the system's integrity and prevents leaks and related damage. When using manifolds in systems where the medium contains a high level of mechanical impurities, a mechanical filter must be installed upstream of the manifold.

It is not allowed to perform hydraulic tests of the system when air vents are installed or when shut-off valves before them are open.

6. 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



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