



PROFACTOR[®]
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



**PRODUCT
CODE**

PF TS 230
PF TS 231
PF TS 235
PF TS 236

**T-TYPE STRAINER
(COARSE FILTER)**

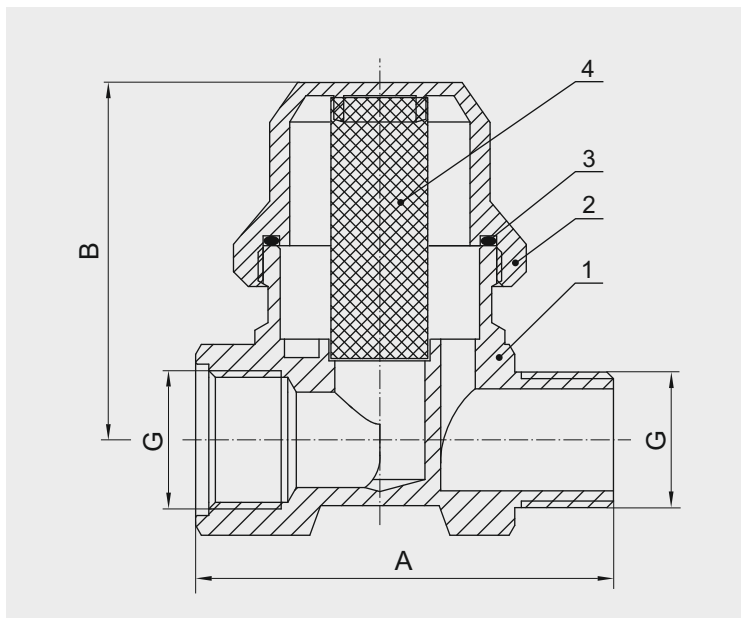
1. PURPOSE AND SCOPE

The coarse T-type strainer is used to remove mechanical impurities from the flow of the filtered medium in pipeline systems for cold and hot water, gases, and liquid hydrocarbons, within the permissible limits of temperature and pressure specified in the technical specifications table.

2. TECHNICAL SPECIFICATIONS

Product Code	PF TS	230	231	235	236
Nominal size	DN	15	20	15	20
	G	1/2"FF	3/4"FF	1/2"FM	3/4"FM
Nominal (rated) pressure PN	bar	20			
Mesh size (filtration grade)	µm	400			
Operating medium temperature	°C	-20°C to +110°C			
Flow capacity (Kv at $\Delta p = 1$ bar)	m³/h	4,0	6,0	4,0	6,0
A	mm	56	67	64	72
B	mm	54	57	54	57
Weight	g	266	391	282	401
Average service life	years	30			

3. DESIGN



1 – Filter body

3 – Sealing gasket

2 – Inspection cover

4 – Filtering element

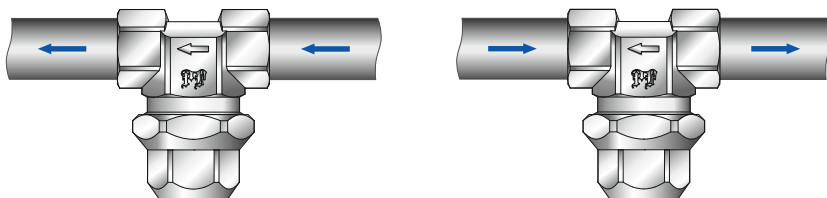
The filter body (1) and inspection cover (2) are made of brass grade CW617N (according to the European standard EN 12165) using casting, forging, and turning processes, with nickel-plated surfaces.

Inside the body is the filtering element (4) — a cylindrical welded mesh made of stainless steel AISI 304. The cover seal is provided by an O-ring gasket (3) made of wear-resistant nitrile butadiene rubber (NBR).

Thanks to the large clearance between the mesh and the body wall, the filter can be connected from either side relative to the inlet flow. The design allows for two connection thread configurations (G): female–female (FF) and female–male (FM).

4. INSTALLATION INSTRUCTIONS

The filter must be installed in a horizontal position so that the inspection cover is facing downward, and the arrow on the body should correspond to (though not necessarily strictly follow) the direction of the flow of the filtered medium.



The filter must not be subjected to any loads from the pipeline, such as bending, compression, tension, torsion, misalignment, vibration, or uneven tightening of fasteners. If necessary, supports or compensators should be installed to reduce the load on the filter 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. Threaded connections must be made using sealing materials such as PTFE-tape, polyamide thread, or flax (linen).

5. OPERATION AND MAINTENANCE

The filter must be operated without exceeding the pressure and temperature limits specified in the technical specifications table.

When the filter is used in pipeline systems with a high content of mechanical impurities, it is recommended to inspect and clean the filter regularly. The need for cleaning may be indicated by a pressure drop across the filter greater than 0.5 bar.

To clean the filter, close the inlet shut-off valve of the system, drain the section of the pipeline containing the filter, then unscrew the inspection cover and clean the mesh and sediment chamber. If the cover gasket is found to be damaged during inspection, it must be replaced.

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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