



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT
CODE

PF BAV 362
PF BAV 362C

**CHROMED ANGLE VALVE
FOR DOMESTIC APPLIANCES**

1. PURPOSE AND SCOPE

The chromed angle valve is used for connecting household appliances (such as washing machines and dishwashers) to cold and hot water supply pipelines, as well as to other pipelines transporting media non-aggressive to the valve materials, such as water or glycol-based solutions. The maximum glycol concentration is up to 50%.

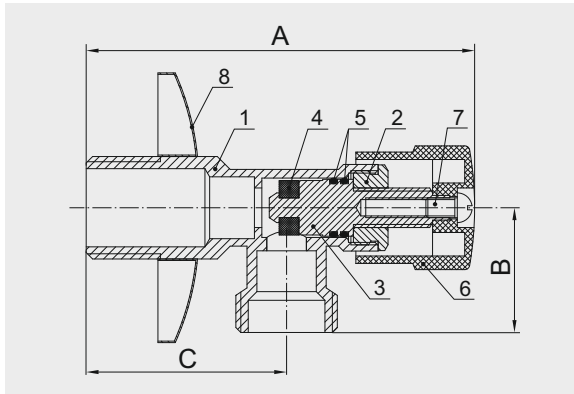
The PF BAV 362C model is equipped with a compression ferrule for connecting a mixer tap using copper pipes with a diameter of 10 mm.

2. TECHNICAL SPECIFICATIONS

Product Code	PF BAV	362	362C
Nominal Size	DN	15x15	15x10
	G	1/2"x1/2"	1/2"x10 mm
Maximum Operating Pressure	bar	10	
Working Medium Temperature	°C	+5°C to + 95°C	
Maximum Ambient Temperature	°C	50°C	
A	mm	76.5 (closed) – 81.5 (open)	
B	mm	25	39
C	mm	40,5	
Weight	g	110	122
Expected Service Life	years	15	

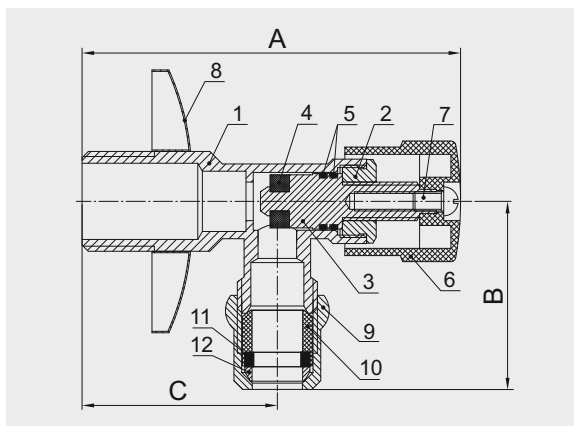
3. DESIGN

Angle Valve, Chrome-Plated



- | | |
|----------------|----------------------------|
| 1 – Body | 5 – Sealing rings |
| 2 – Sleeve | 6 – Handle |
| 3 – Stem | 7 – Locking screw |
| 4 – Valve seal | 8 – Decorative cover plate |

Chromed Angle Valve with Compression Connection



- | | |
|-------------------|----------------------------|
| 1 – Body | 7 – Locking screw |
| 2 – Sleeve | 8 – Decorative cover plate |
| 3 – Stem | 9 – Compression nut |
| 4 – Valve seal | 10 – Thrust coupling |
| 5 – Sealing rings | 11 – Compression gasket |
| 6 – Handle | 12 – Clamping ring |

The stem sealing is ensured by two O-rings (5). At the lower end of the stem, a valve seal (4) is fixed, providing a tight shut-off of the flow. On the protruding end of the stem, a handle (6) is secured with a locking screw (7).

The PF BAV 362C model is supplied with a compression ferrule assembly for connecting a 10 mm copper tube.

All cylindrical pipe threads are in an accordance with ISO 228-1:2000, DIN 259, and all metric threads are in an accordance with ISO 261:1998.

The valve is also equipped with a decorative escutcheon (8).

4. MATERIALS

Body (1) — Brass CW617N (DIN EN 12165-2011), chrome-plated surface

Sleeve (2) and Stem (3) — Brass CW617N (DIN EN 12165-2011)

Sealing rings (5), valve seal (4), and compression gasket (11) — NBR (nitrile butadiene rubber)

Handle (6) — ABS plastic, chrome-plated surface

Compression nut (9) and clamping ring (12) — Brass CW614N (DIN EN 12165-2011), nut surfaces chrome-plated

Thrust coupling (10) — ABS plastic

Escutcheon (8) — Stainless steel AISI 304 (DIN EN 10088-2005)

5. OPERATING PRINCIPLE

The operating principle of the globe valve is based on shutting off the flow with the pair consisting of the sealing element and the seat. In this case, the sealing element is the stem (3) with the valve seal (4). When the handwheel (6) is rotated, the stem (3) rotates along with it.

When rotated counterclockwise, the stem moves upward along the thread, opening the valve until it rests against the bushing (2) (fully open position). When rotated clockwise, the stem smoothly moves downward along the thread until it firmly seats on the valve body seat.

A tight seal of the flow is achieved by using a valve seal (4) made of wear-resistant butadiene-nitrile rubber (NBR).

6. INSTALLATION INSTRUCTIONS

The valve must not be subjected to loads from the pipeline (bending, compression, tension, torsion, misalignment, vibration, pipe offset, or uneven tightening of fasteners). If necessary, supports or compensators should be provided to reduce the load on the valve 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. The valve may be installed in any position with a connection on a pipe cylindrical thread.

The valve must be installed to ensure free access to the handwheel. The product must be securely fixed to the pipeline, and leakage of the working fluid through the threaded section or from under the compression fitting is not allowed.

Threaded connections should be made using PTFE sealing tape (polytetrafluoroethylene), polyamide thread with silicone, or flax fiber as the sealing material. It is important to ensure that excess sealing material does not enter the valve seat. Verify the correctness of installation.

After installation, the plumbing system assemblies must be tested for leak-tightness. They should undergo hydrostatic (hydraulic) or bubble (pneumatic) testing.

7. OPERATING AND MAINTENANCE

The valve must be operated within the pressure and temperature limits specified in the technical characteristics table.

Installation, removal, and any repair operations must be performed only when there is no pressure in the system.

Allow the equipment to cool to ambient temperature before performing maintenance. When the valve is used in systems carrying media with a high content of mechanical impurities, additional filtering equipment must be installed at the inlet. Operation of the valve with a loose handwheel fastening screw is not permitted.

8. WARRANTY OBLIGATIONS

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

The warranty does not cover defects that occur under the following circumstances:

- Violation of storage, transportation, installation, operation, or maintenance conditions;
- Evidence of exposure to substances aggressive to the materials of the product;
- Presence of mechanical damage;
- Damage caused by fire, natural disasters, or other force majeure circumstances;
- Damage resulting from incorrect actions by the consumer;
- Evidence of unauthorized interference with the design of the product.

The product described in this technical manual is a technically complex device that must be installed by a qualified specialist with relevant 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 design changes to the device that do not affect its technical specifications or functional characteristics.



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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