



PROFACTOR®
DER DEUTSCHE QUALITÄTSSTANDARD

EN

TECHNICAL DATA SHEET AND USER MANUAL



PRODUCT
CODE

PF BAV 363

**ANGLE CHROME-PLATED VALVE
FOR HOUSEHOLD APPLIANCES**

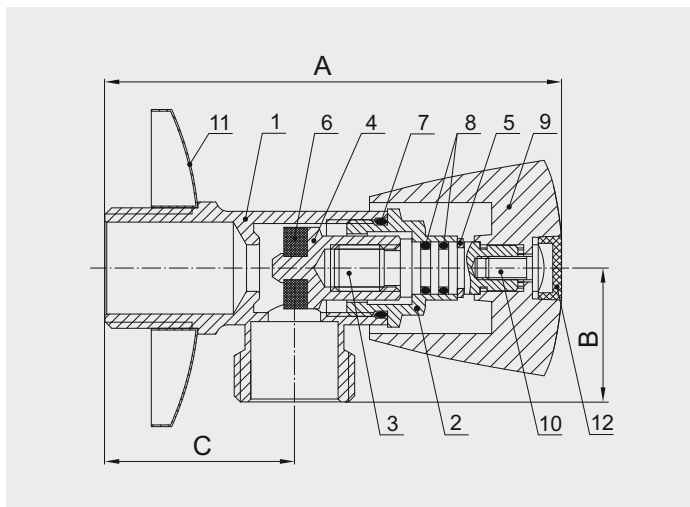
1. PURPOSE AND SCOPE

The chrome-plated angle valve is used to connect household appliances (such as washing machines and dishwashers) to cold and hot water supply pipelines, as well as to any other pipelines that transport media non-aggressive to the materials of the product, such as water or glycol-based solutions. The maximum glycol content must not exceed 50%.

2. TECHNICAL SPECIFICATIONS

Product Code	PF BAV	363
Nominal Size	DN	15x15
	G	1/2"x1/2"
Maximum Operating Pressure	bar	10
Working Medium Temperature	°C	+5°C to +95°C
Maximum Ambient Temperature	°C	50°C
A	mm	84
B	mm	23
C	mm	35
Weight	g	165
Expected Service Life	years	15

3. DESIGN



- | | |
|----------------|--------------------|
| 1 – Body | 7 – Bushing O-ring |
| 2 – Bushing | 8 – Stem O-rings |
| 3 – Stem | 9 – Handle |
| 4 – Slider | 10 – Locking screw |
| 5 – Clip | 11 – Escutcheon |
| 6 – Valve seal | 12 – Cap |

All pipe cylindrical 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 additionally equipped with a decorative escutcheon (11).

4. MATERIALS

Body (1) — Brass CW617N (DIN EN 12165-2011), chrome-plated surface
 Bushing (2), Stem (3), Slider (4) — Brass CW617N (DIN EN 12165-2011)
 Clip (5), Escutcheon (11) — Stainless steel AISI 304 (DIN EN 10088-2005)
 Handle (9) — Zinc alloy with chrome-plated surface
 Sealing elements (6, 7, 8) — NBR (nitrile butadiene rubber)

5. OPERATING PRINCIPLE

The operating principle of the globe-type valve is based on shutting off the flow using the sealing pair consisting of the shut-off element and the seat.

In this case, the shut-off element is the slider (4) with the valve seal (6). When the handle (9) is rotated counterclockwise, the stem (3) also rotates. The slider then moves smoothly upward until it rests against the bushing (2) — this is the fully open position of the valve.

When the handle (and therefore the stem) is rotated clockwise, the slider moves smoothly downward along the thread until it firmly seats on the valve body seat.

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

6. INSTALLATION INSTRUCTIONS

Before installation, the pipeline must be cleaned of rust, dirt, scale, sand, and any other foreign particles that may affect the valve's performance.

Upon completion of installation, hot and cold water systems must be flushed with clean water until the discharged water is free from mechanical impurities. The valve must not be subjected to mechanical loads from the pipeline (such as bending, compression, tension, torsion, misalignment, vibration, or uneven fastening).

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 meter of length, plus 1 mm for each additional meter.

The valve can be installed in any position with a connection on pipe cylindrical threads. It must be installed so as to ensure free access to the handle. The valve must be securely fixed to the pipeline, and leakage of the working medium through the threaded section is not allowed.

Threaded joints should be sealed using PTFE-tape, polyamide thread with silicone, or flax fiber. Care should be taken to ensure that excess sealing material does not enter the valve seat.

After installation, verify the correctness of assembly.

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

7. OPERATING AND MAINTENANCE

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

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

Allow the equipment to cool down to ambient temperature before performing maintenance. When the valve is used in systems that transport media with a high content of mechanical impurities, additional filtration equipment must be installed at the inlet. It is not permitted to operate the valve with a loose handle fastening screw.

8. WARRANTY OBLIGATIONS

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

The warranty does not cover defects that occur due to:

- Violation of storage, transportation, installation, operation, or maintenance conditions;
- Exposure to substances aggressive to the materials of the product;
- Mechanical damage;
- Damage caused by fire, natural disasters, or other force majeure events;
- Damage resulting from improper handling by the consumer;
- Unauthorized interference with the design of the product.

The product described in this technical passport is a technically complex device that must be installed by a qualified specialist with appropriate expertise and 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 modifications 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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