**resideo**

### Product information

Stainless steel protective device type BA. Flanged connection for liquid category 4.

Dimension range (DN)	65 - 150
PN	10
Temperature (°C)	0 - 65
Main material	Stainless steel

## Area of use

Backflow preventers are used to protect internal and external plumbing systems from backflow and pressure backflow. The protective cover is suitable for liquids up to category 4. The backflow preventer is of type BA in accordance with SS-EN 1717.

## Tender text

### **PSG.26 Backflow preventers**

Backflow prevention device AT 1167-...SS, DN.... Protective device made of stainless steel. PN10, Type BA in flanged design. For maximum protection coverage of liquid category 4 according to SS-EN 1717.

## Quality assurance

Fluid category 4, SS-EN 1717

### **The product is CE marked**

Fluid category 4, SS-EN 1717

The product is CE marked.

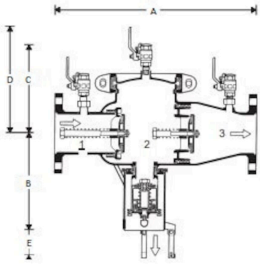
**Product marking:** Manufacturer, DN, PN, flow direction, manufacturer and manufacturing number.

Separate inspection nameplate.

## Energy and environment declaration

**Reach date:** 6/14/2023 12:00:00 AM

Pos	Component	Material
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## Measurements and weight

**Dimension range (DN):** 65 - 150

DN	A	B	C	D	E	Net weight (kg)
65	559	265	245	310	75	32
80	559	265	245	310	75	32.5
100	559	265	245	310	75	33
150	695	280	270	350	75	57

## Function and design

Backflow preventer type BA covers the risks up to liquid category 4 when connecting to tap water, i.e. "Liquid that poses a health risk due to the presence of one or more toxic or highly toxic substances or one or more radioactive, mutagenic or carcinogenic substances".

The protective device has double check valves and an intermediate chamber with drainage. The protective devices work with three different pressure zones. The pressure in zone 1 is higher than in zone 2, which is higher than in zone 3. A drainage valve is connected in zone 2 and opens when the pressure difference between zone 1 and zone 2 drops to 0.14 bar. The water in zone 2 is drained to the atmosphere. This prevents siphonage or overpressure backflow into the system.

The backflow preventer must be installed as a complete protection module. It is an absolute requirement that the backflow preventer is installed as a protection module.

## Technical data

**Main material:** Stainless steel  
**Main material code:** Acid resistant stainless steel AISI 316Ti (1.4571)  
**Included materials:** Stainless steel  
**Included material code:** Acid resistant stainless steel AISI 316Ti (1.4571)  
**Temperature (°C):** 0 - 65  
**PN:** 10  
**Connection:** Flanged EN1092  
**ETIM classification:** EC004501 - Backflow preventer

Pressure drop characteristics

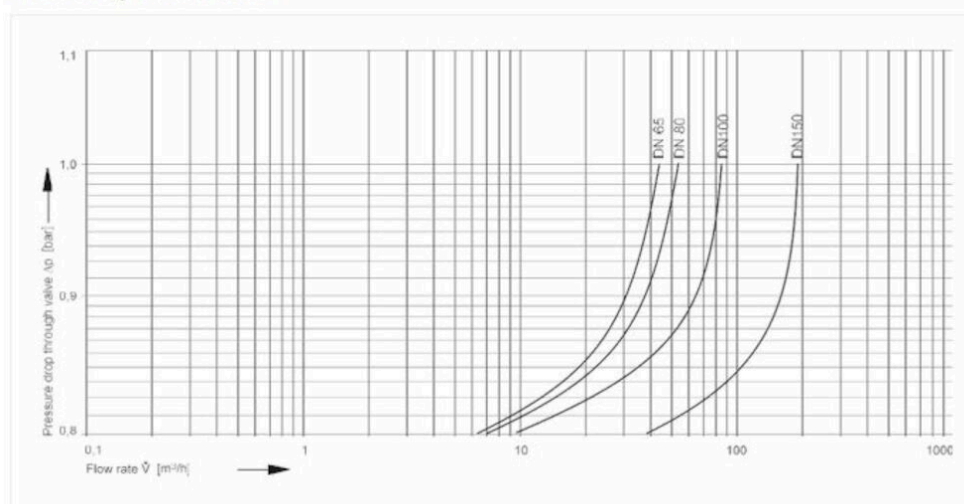


Fig. 1 Pressure drop within the valve in dependency of the flow rate and the used connection size

## Installation and maintenance

**Flowdirection:** Uni-directional

**Possible mounting position:** Horizontal

**Possible mounting position notes:** "Shall be installed with drainage downwards."

To be carried out by qualified personnel. See user manual.

### Please feel free to contact us

We answer your questions by e-mail and telephone. No question is too small, no challenge is too big. You are always welcome at Armatec.

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