

Backflow preventer

type BA - fluid category 4

Internet_Variants

| Dimension range | PN | Temperature range | Material |
|-----------------|----|-------------------|-----------------|
| DN 65-200 | 10 | 0°C to 65°C | Gray iron |
| DN 65-150 | 10 | 0°C to 65°C | Stainless steel |

Range of application

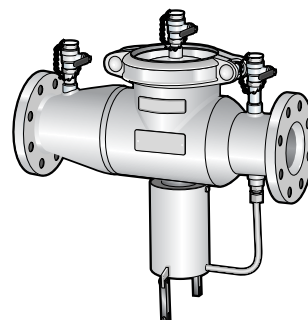
Backflow preventer is used to protect tap water systems internally and externally from siphon backflow and pressure overload backflow. Prevention coverage for fluid up to category 4. The backflow preventer of the type BA in accordance with SS-EN 1717.

PSG.260 Combined backflow preventer

Backflow preventer **AT 1167-XXM** (alternatively 1167RXXM for performance in stainless steel) DNXX. Complete protection module consisting of preventor of the type BA with double check valves and intermediate chamber with draining, inlet and outlet valves and dirt filters with valves for draining. PN 10 in flanged performance. For max prevention coverage of fluid category 4 according to SS-EN 1717.



AT 1167B



AT 1167R

Quality assurance

In accordance with SS-EN 1717.
DIN/DVGW type approval.

Skyddsdon
Symbol

Skyddsdon
Grafisk symbol

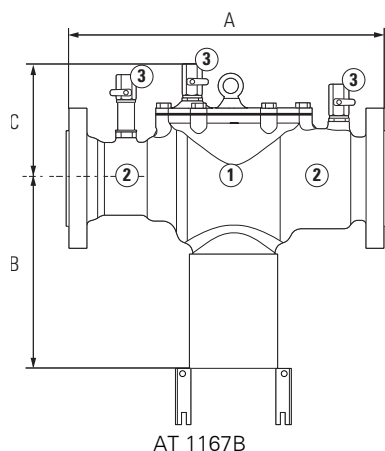
Skyddsmodul
Grafisk symbol

Vätskeke:

Vätska som medfö
närvaro av ett e
ämnen eller ett eli
mutagena eller ca

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Material specification

| | | AT 1168B | AT 1167 |
|---|--------------------|--------------------------|---------------------------|
| 1 | Housing | Surface coated gray iron | Stainless steel EN 1.4571 |
| 3 | Checkvalve | Brass | Stainless steel EN 1.4305 |
| 4 | Control valves | Nickel-plated brass | Nickel-plated brass |
| 5 | Membrane, sealings | EPDM | EPDM |

Dimensions and weight

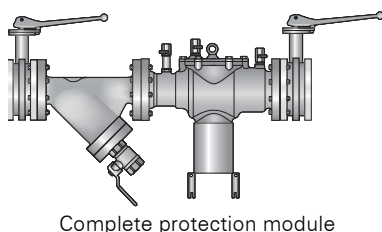
| AT 1167B DN | A | B | C | Connection draining | Weight preventer | Build length module |
|----------------|-----|-----|-----|------------------------|---------------------|------------------------|
| 65 | 356 | 246 | 155 | DN 150 | 23,9 | 738 |
| 80 | 440 | 275 | 173 | DN 150 | 32,7 | 842 |
| 100 | 530 | 296 | 201 | DN 150 | 44,6 | 984 |
| 150 | 630 | 314 | 230 | DN 150 | 70,9 | 1222 |
| 200 | 763 | 346 | 272 | DN 150 | 114,1 | 1483 |

Dimensions and weight

| AT 1167R DN | A | B | C | Connection draining | Weight preventer | Build length module* |
|----------------|-----|-----|-----|------------------------|---------------------|-------------------------|
| 65 | 559 | 270 | 245 | DN 150 | 32,0 | 1189 |
| 80 | 559 | 270 | 245 | DN 150 | 32,5 | 1229 |
| 100 | 559 | 270 | 245 | DN 150 | 33,0 | 1289 |
| 150 | 695 | 300 | 285 | DN 150 | 57,0 | 1875 |

Dimensions in mm, weight in kg

*) Total build length is the sum of ingoing valves, gaskets are not included.



Function and design

Backflow preventer type BA covers the risks up to fluid category 4 by connection of tap water. I.E. "Fluid that entails a health risk through presence of one or multiple toxic or very toxic substances or several radioactive, mutagenic or cancerous substances".

The preventer has double check valves and an intermediate chamber with draining. The preventer works with three different pressure zones. The pressure in zone 1 is higher than in zone 2, which is higher than zone 3. A drain valve is connected in zone 2 and is opened when the pressure difference between zone 1 and zone 2 falls below 0,14 bar. The water in zone 2 is drained to the atmosphere. That way strainer and pressure overload backflow in the system is prevented.

The backflow preventer should be installed as a complete protection module. The protection module contains a preventer type BA together with an integrated dirt filter. Shut-off valves for inlet and outlet included. It's an absolute demand that the back flow preventer is installed as a protection module.

Accessories and options

Protection module type BA is also available adapted for sprinkler systems. Flanged connection AT 1167-XXMS, DN 65-200. The butterfly valves are equipped with limit switches for indication of opened/closed valve to meet the demands according to SBF 120. Separate strainer insert with 8,0mm mesh follows for possible replacement of standard strainer insert (0,6 mm mesh).

Rätten till ändringar utan föregående meddelande förbehålls.
Armtec ansvarar inte för eventuella tryckfel eller missförstånd.
Dokumentet får kopieras endast i sin helhet.

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Maintenance and spare parts

Insufficient or incorrect maintenance of a tap water installation, including backflow preventer, could result in a worse tap water quality. Regular (yearly) maintenance of the protection module should therefore be done to secure the preventer's long term function. This is a demand according to the standard SS-EN 1717. The yearly control should be performed by a controller with the proper education who is approved by Armatec AB.

For all installed backflow preventer of the type BA yearly control routines be established and a control report should be sent to the water supplier.

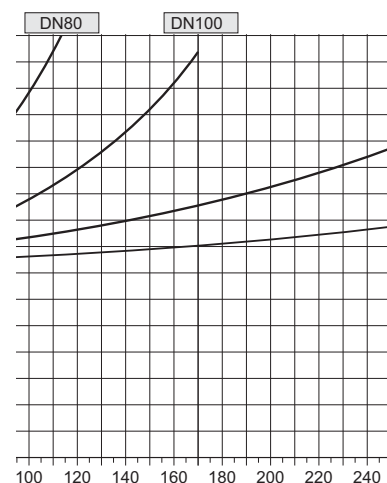
Armatec's service technicians are specially trained and certified for reparation and service control of backflow preventer. We offer to perform the service control and make sure that the basis for necessary reports is done.

Maintenance and spare parts

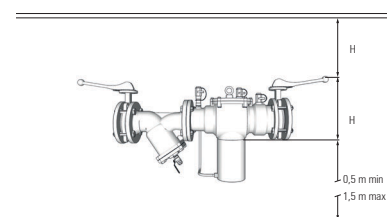
Insufficient or incorrect maintenance of a tap water installation, including backflow preventer, could result in a worsened tap water quality. Regular (yearly) maintenance of the protection module should therefore be done to secure the preventer's long term function. This is a demand according to the standard SS-EN 1717. The yearly control should be performed by a controller with the proper education who is approved by Armatec AB.

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AT 1167B



Pump curve

Marking

Manufacturing, DN, PN, flow direction arrow, manufacturer and manufacturing number.

Separate control marking plate.

How to order

| Complete protection module (gray iron) | | |
|--|-----------|---------|
| DN | AT-no | RSK-no |
| 65 | 1167-65M | 5021029 |
| 80 | 1167-80M | 5021030 |
| 100 | 1167-100M | 5021031 |
| 150 | 1167-150M | 5021032 |
| 200 | 1167-200M | 5021033 |

How to order

| Only preventer (gray iron) | |
|----------------------------|----------|
| DN | oAT-nr |
| 65 | 1167B65 |
| 80 | 1167B80 |
| 100 | 1167B100 |
| 150 | 1167B150 |
| 200 | 1167B200 |

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How to order

Only preventer (Stainless steel)

| DN | AT-no |
|-----|----------|
| 65 | 1167R65 |
| 80 | 1167R80 |
| 100 | 1167R100 |
| 150 | 1167R150 |

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