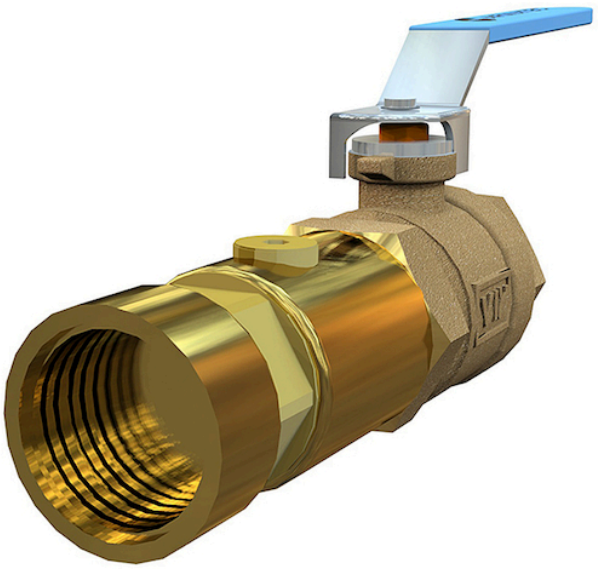
Backflow preventer with check valve AT 1159-M



Product information

Controllable check valve type EA for liquid category 1-2 according to SS-EN 1717. Complete protection module including ball valve with internal thread.

Dimension range (DN)	10 - 50
PN	10
Temperature (°C)	0 - 95
Main material	Brass

Area of use

To protect the drinking water system internally and externally from backflow and overpressure backflow, a protective cover is required for liquid categories 1-2. The backflow prevention device is of type EA in accordance with SS-EN 1717. Not authorised for tap water.

Tender text

PSG.262 Backflow preventers with check valve
AT 1159-...M complete protection module including ball valve with internal thread.

Quality assurance

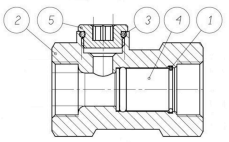
AFS 2023:5, 8 paragraf, Fluid category 2, SS-EN 1717
Protective covering for liquid category 1-2. The backflow preventer is of type EA in accordance with SS-EN 1717.
Product marking: Brand, material, dimension, and arrow indicating flow direction.

Energy and environment declaration

Subject to notification under REACH: Yes
Reach date: 12/06/2026

Check valve AT 1159- Detailed list

Pos	Component	Material
1	Sealing-ring	Brass
2	Valve body	Brass (CuZn35Pb1,5AlAs) (CW625N)
3	O-ring	EPDM (ethylene propylene diene monomer rubber)
4	Fixating ring	
5	Tap	Brass (CuZn36Pb2As) (CW602N)



Pos	Component	Material

Measurements and weight

Dimension range (DN): 10 - 50

Function and design

The valve has a spring-loaded cone, which means it can be installed in any built-in position and will close before the flow direction changes. In order for the check valve 1159 to meet the requirement according to SS-EN1717 as a protection module type EA, a shut-off valve must always be installed just before the check valve. This is necessary to enable control to be carried out.

The check valve belongs to type EA and provides protection coverage for liquid up to category 2. Not authorised for tap water. The valve has an outlet upstream, which is equipped with a plug. The outlet is used to check the function and tightness of the check valve.

Technical data

Main material: Brass
Main material code: Brass dezincification resistant (DZR)
Included materials: Brass
Included material code: Brass dezincification resistant (DZR)
Temperature (°C): 0 - 95
PN: 10
Connection: Internal thread ISO 228-1 (G, BSPP)
ETIM classification: EC004501 - Backflow preventer
Comment to colour: Natural colour brass untreated.

DN	10	15	20	25	32	40	50
Connection 1 - spec.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Connection 2 - spec.	3/8	1/2	3/4	1	1 1/4	1 1/2	2

DN	KVS	Connection 1	Connection 1 - spec.	Connection 2	Connection 2 - spec.
10	5.8	Internal thread ISO 228-1 (G, BSPP)	3/8	Internal thread ISO 228-1 (G, BSPP)	3/8
15	15.7	Internal thread ISO 228-1 (G, BSPP)	1/2	Internal thread ISO 228-1 (G, BSPP)	1/2
20	30.8	Internal thread ISO 228-1 (G, BSPP)	3/4	Internal thread ISO 228-1 (G, BSPP)	3/4
25	49.3	Internal thread ISO 228-1 (G, BSPP)	1	Internal thread ISO 228-1 (G, BSPP)	1
32	79	Internal thread ISO 228-1 (G, BSPP)	1 1/4	Internal thread ISO 228-1 (G, BSPP)	1 1/4
40	125.3	Internal thread ISO 228-1 (G, BSPP)	1 1/2	Internal thread ISO 228-1 (G, BSPP)	1 1/2
50	224.2	Internal thread ISO 228-1 (G, BSPP)	2	Internal thread ISO 228-1 (G, BSPP)	2

Installation and maintenance

Flowdirection: Uni-directional
Possible mounting position: Horizontal
In accordance with SS-EN1717:2025, which further refers to SS-EN 806-5, and with regard to maintenance, backflow protection/modules and other related fittings shall be checked, tested, and maintained in accordance with Annexes A, B, and C. Annex A describes the frequency, Annex B describes what is to be performed, and Annex C describes other equipment. This means for protection of type:

AB Inspection and maintenance every 6 months.
BA Inspection every 6 months and routine maintenance annually.
CA Inspection every 6 months and routine maintenance annually.
EA Inspection and routine maintenance annually.

Maintenance must be performed by qualified personnel.

The company's management system
is certified by DNV
ISO 9001 • ISO 14001

Get into the flow

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