

EA & EB PROTECTION

EA & EB brass check valves
DN10 - DN50

Watts Industries brass check valves prevent the backflow of drinking water or water of unknown quality up to hazard class 2. The draining and checking option allows you to check the functioning and the leak-tightness without disassembling the check valve. The brass check valves can be used both in indoor systems and in other applications.

Design

The check valve consists of:

- brass body with draining and test ports;
- if required with nuts and connection unions;
- plastic check valve module;
- lip-seal sealing principle;
- split valve stem.

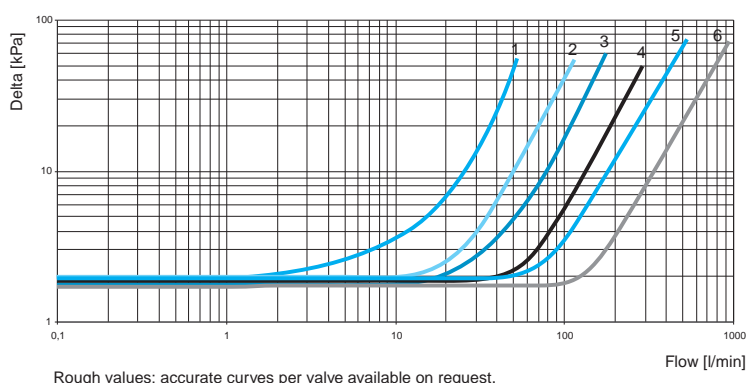
Standardisation

The verifiable EA check valves have been developed in accordance with EN 1717 and meet EN 13959.

Installation instructions

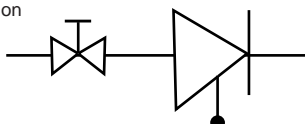
Install the EA check valves according to EN 1717.

Pressure loss curve brass check valves

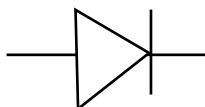


Line no.	Check valve type			
1	BB015	KF015		
2	BB020	KF020	S015	WF015
3	BB025	KF025	S020	WF020
4	BB032		S025	WF025
			S032	WF032
5	BB040		S040	WF040
6	BB050		S050	WF050

EA protection



EB protection



Installation

Install the EA protection device after cleaning the pipework in the prescribed manner. Install the EA protection device in front of the hazardous device. This prevents dirty water from flowing back into the drinking water system.

In accordance with the installation instructions of EN 1717, a shut-off valve must be installed in front of the EA protection device.

Material specifications EA & EB

Body	brass
Plugs	brass or plastic
Nuts	brass
Connection units	brass
Check valve	plastic
Seal	rubber
Compression spring	stainless steel

Technical specifications EA & EB

Size range	DN15 - DN50
Connection sizes	½" to 3" or 15 mm to 67 mm
Checking studs	¼"
Operating temperature	65 °C (max. 90 °C for 1 hour/day)
Operating pressure	PN 10
Peak pressure	1,600 kPa (16 bar)