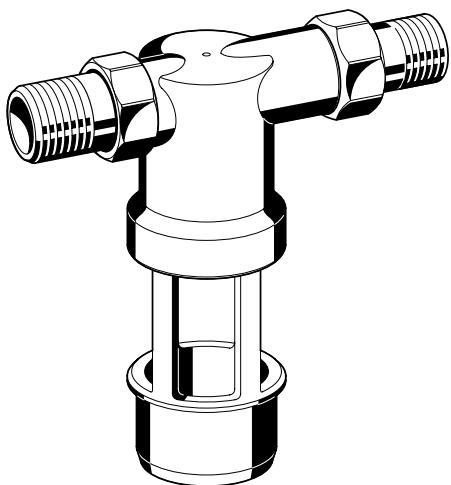


CA295**Backflow preventer****Compact construction with threaded connectors****Product specification sheet****Application**

CA295 backflow preventers are suitable for the protection of drinking water systems against back pressure, back flow and back syphonage. Fluids up to and including liquid category 3 to EN 1717 are protected. This corresponds to construction type 2 to EN 1717.

Special Features

- Integral strainer
- Compact construction
- Unrestricted access to all internal components
- Low pressure loss and high flow rate performance
- Threefold security - two non-return check valves and a discharge valve separate the backflow preventer into three chambers
- Meets KTW recommendations

Range of Application

Medium	Water
Inlet pressure	Maximum 10.0 bar
Minimum inlet pressure	1.5 bar

Technical Data

Installation position	Horizontal with discharge valve downwards
Operating temperature	Up to 65 °C
Discharge pipe connection	HT 50

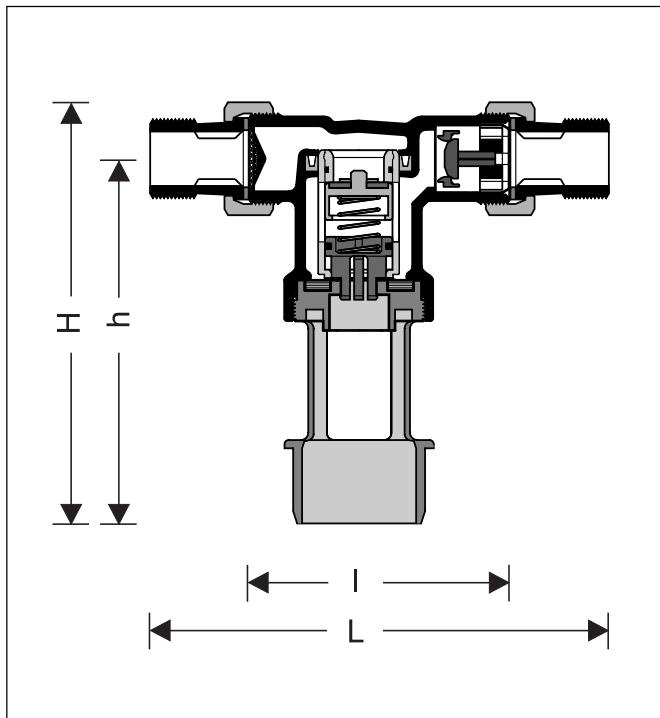
Construction

The backflow preventer comprises:

- Housing
- Integral strainer
- Valve cartridge
- Outlet non-return valve
- Connection fittings
- Discharge connection

Materials

- Dezinification resistant brass housing
- High-quality synthetic material valve cartridge
- High-quality synthetic material non-return valves
- NBR and EPDM seals
- High quality synthetic material discharge connection



Method of Operation

CA type backflow preventers are divided into three zones – inlet-, middle- and outlet zone

When the differential pressure between inlet zone and middle zone drops below under 10 % of inlet pressure the backflow preventer discharges by venting the middle zone to atmosphere.

There is no possibility to control the safety arrangement by measuring.

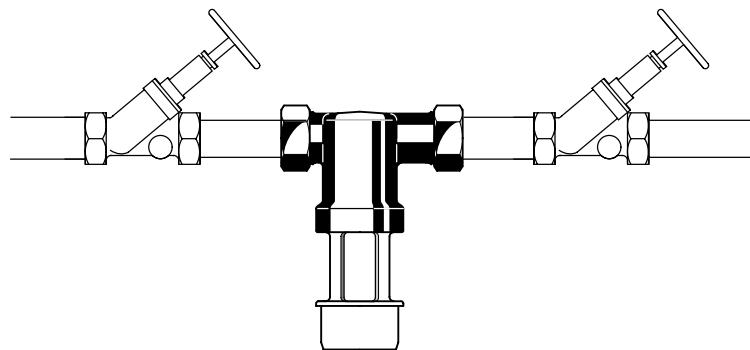
Options

CA295 - ... A = Standard version with threaded connections in sizes $\frac{1}{2}$ " and $\frac{3}{4}$ "



Connection size

Connection sizes	R	$\frac{1}{2}$ "	$\frac{3}{4}$ "
Weight (Approx. g)		510	700
Dimensions (mm)			
L	142	150	
I	82	82	
H	17	21	
h	114	114	
Peak flow rate in m^3/h at $\Delta p = 1.0 \text{ bar}$		0.5	0.5
DVGW approval		in progress	

Installation Example**Installation Guidelines**

- Fit shutoff valves
- Install in horizontal pipework with the discharge valve downwards
- Ensure good accessibility
 - Simplifies maintenance and inspection
- CA295 backflow preventers have an integral filter and therefore no further filter should be fitted
 - This protects the backflow preventer from the ingress of dirt
- Do not install in positions where flooding can occur
- Install in a frost protected and ventilated location
- Install discharge pipework which has adequate capacity

Anwendungsbeispiele

Type BA backflow preventers are ideally suited for industrial and commercial applications. However they can also be used for supplies to residential buildings

The following are some typical applications:

- Cleaning appliances in hairdresser's shops
- Soda machines
- Cleaning appliances for beverage lines in public houses
- Cooling system in X-ray equipments for radiography
- Tube-sprinkler in the kitchen, domestic area
- Heating filling systems, without inhibitors

Automation and Control Products

Honeywell GmbH
Hardhofweg
D-74821 Mosbach

Phone: (49) 6261 810
Fax: (49) 6261 81309
braukmann@honeywell.com

Honeywell

Braukmann

<http://europe.hbc.honeywell.com>