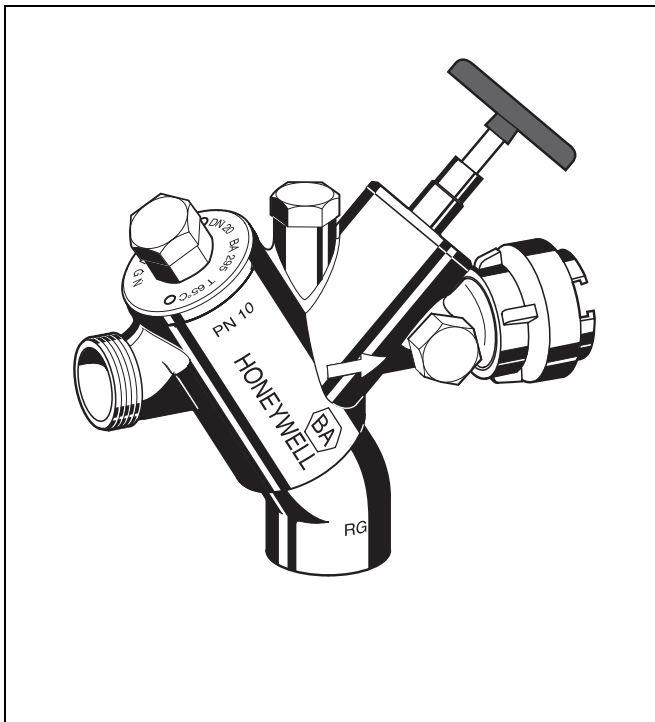


BA295STN-11/2C

Backflow Preventer for standpipes

Product specification sheet



Construction

The backflow preventer consists of:

- Housing
- Integral strainer, mesh size approx. 0.6 mm
- Valve cartridge with integral check valve and discharge valve
- Outlet check valve
- 3 test sockets
- Connection fittings
- Integral shut-off on outlet

Materials

- Red bronze housing
- High-quality synthetic material valve cartridge
- High-quality synthetic material or red bronze check valves
- Seals in NBR and EPDM

Application

Backflow preventers of this type are suitable for the protection of drinking water systems against back pressure, back flow and back syphonage.

They are used to protect the temporary water tapping of standpipes on events or construction sites.

Fluids up to and including liquid category 4 to EN 1717 are protected.

Special Features

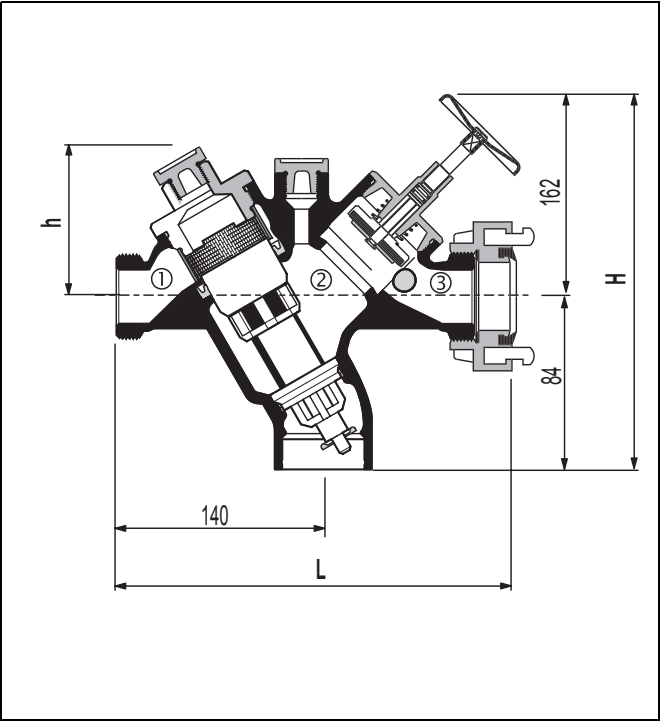
- DVGW-approval requested
- Optimal protection of the drinking water supply system
- Integral inlet strainer
- Inlet check valve and discharge valve are combined in one cartridge
- Minimal maintenance required, because the valve cartridge is completely replaceable
- Optimized design prevents water stagnation
- Compact construction
- Easy access to all internal components
- Low pressure loss and high flow rate
- Triple security - two check valves and a discharge valve separate the backflow preventer into three pressure zones
- Meets KTW recommendations for potable water
- Each tapping can be protected separately

Range of Application

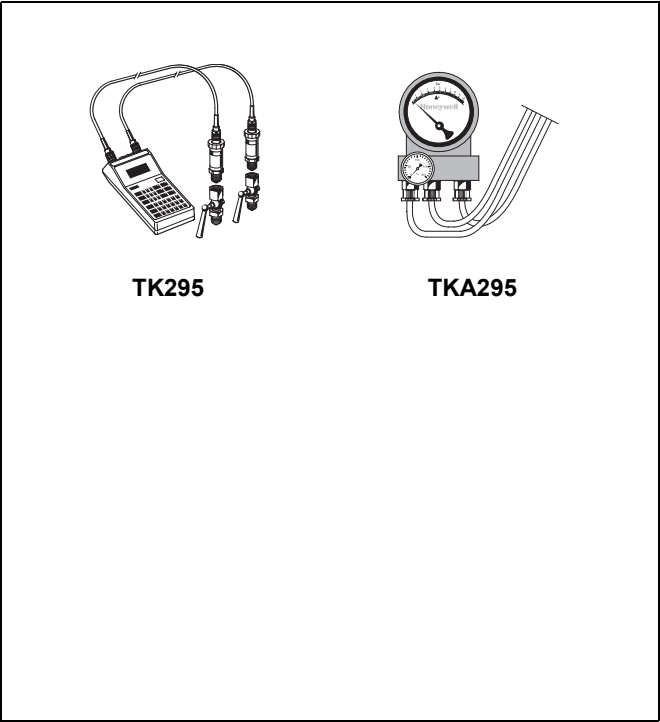
Medium	Water
Maximum inlet pressure	10.0 bar
Minimum inlet pressure	1.5 bar

Technical Data

Installation position	Horizontal with discharge valve downwards
Max. operating temperature	65°C
Nominal diameter	1 1/2"



Nominal size diameter	DN	1 1/2"
Connection size inlet	R	2"
Connection size outlet		C-coupling
Weight	kg	4.3
Dimensions	mm	
	L	249
	H	246
	h	109



Method of Operation

BA type backflow preventers are divided into three pressure zones. The pressure in zone ① is higher than in zone ②, which in turn is higher than in zone ③. A discharge valve is connected to zone ② which opens at the latest when the differential pressure between zones ① and ② falls to 0.14 bar. The water from zone ② discharges to atmosphere. In this way the danger of back pressure or back syphonage into the supply network is prevented. The pipework connection is interrupted and the drinking water network is protected.

Options

BA295STN-11/2C = Standard version with C-coupling on outlet

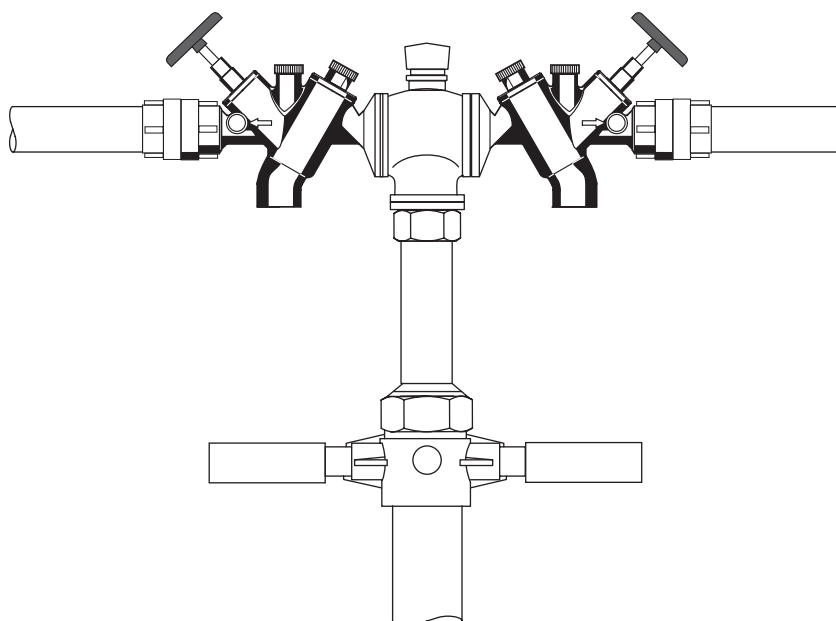
Accessories

TK295 Test kit

Electronic pressure measuring device with digital indicator, battery-operated.
With case and accessories, ideal for inspection and maintenance of backflow preventer type BA.

TKA295 Test kit

Analogue pressure measuring device with differential pressure display.
With case and accessories, ideal for inspection and maintenance of backflow preventer type BA.

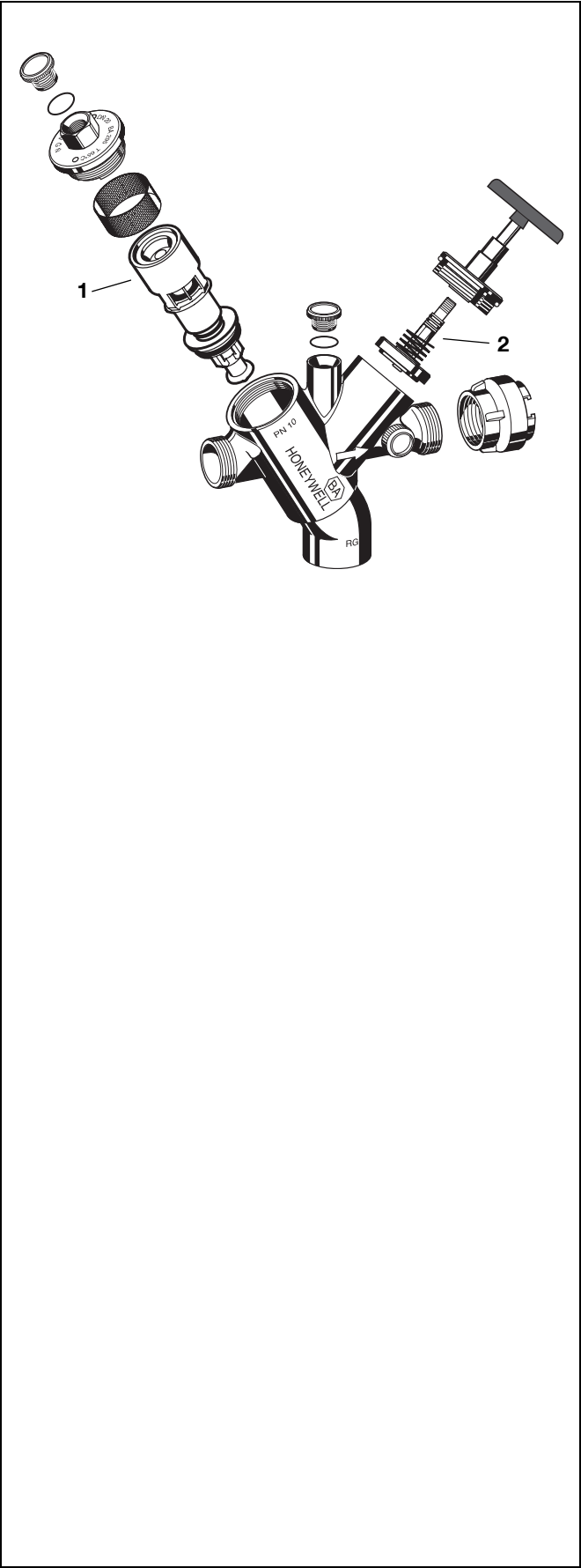
Installation Example**Installation Guidelines**

- The backflow preventer and the distributor head must be connected to one another non-detachably with an - according to the local drinking water standards - approved glue (e.g. KTW approval: "Loctite 638")!
- Directly connected to distributor
- Backflow preventers of this type have an integral strainer which protects the device from the ingress of dirt
- The installation location should be protected against frost

Typical Applications

The following are some typical applications:

- Events like exhibitions, folk festivals, etc.
- Construction sites
- Emergency supply



Spare Parts
Backflow preventer BA295STN-11/2C, from 2006 onwards

No.	Description	Dimension	Part No.
1	Cartridge insert complete	1 1/2"	0903745
2	Check valve insert complete	1 1/2"	RV295STN-11/2C

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