

Braukmann

BA295D-1/2LFAS

BA295D-1/2LFASC

Backflow Preventer

Lead-free, rotatable, with integrated shut-off facility

Application

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

They are used to protect taps.

The backflow preventer protects drinking water for fluids up to and including liquid category 4 to EN 1717.

Approvals

- DVGW in progress

Special Features

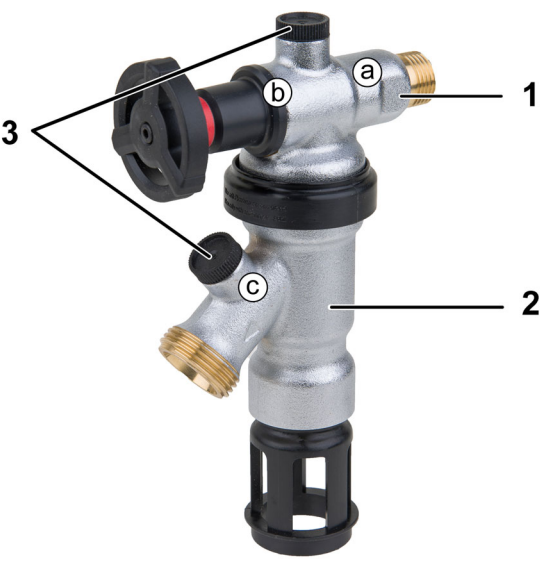
- LEAD-FREE: Pb content of all materials less than 0.1 %
- Easy and quick installation/retrofit
- High speed maintenance: replacement kit, all BA functional parts in one housing, replacement/ maintenance without timeconsuming test procedure
- Due to integrated shut-off facility installation directly into the pipework possible
- Compact construction
- Optimal protection of the drinking water supply system
- Optimized design prevents water stagnation in normal operation
- Low pressure loss and high flow rate
- Triple security - two check valves and a discharge valve separate the backflow preventer into three pressure zones
- Rotatable housing - connection always in the right position
- Optimized outlet position, thereby bending of the connected flexible tube is prevented
- Low maintenance effort, because the strainer and the valve cartridge are completely replaceable without draining the system
- Minimal maintenance required, because the valve cartridge is completely replaceable
- Meets KTW regulations for drinking water
- Integrated inlet strainer
- Inlet check valve and discharge valve are combined in one cartridge
- 5-year warranty



Technical Data

Media	
Medium:	Drinking water
Connections/Sizes	
Connection size:	1/2"
Discharge pipe connection:	DN40
Pressure values	
Inlet pressure:	1.5 bar - 10 bar
Operating temperatures	
Max. operating temperature medium:	65 °C
Specifications	
Installation position:	Vertical with discharge valve downwards

Construction

Overview		Components	Materials
	1	Upper housing part with integrated shut-off facility and test socket incl. plug	Lead-free brass
	2	Complete tested replacement unit with <ul style="list-style-type: none"> Rotatable lower housing part with test socket incl. plug Strainer (mesh size 0.5 mm) Valve cartridge with integral check valve and discharge valve Outlet check valve Retaining clip Seal brackets 	High-quality synthetic material valve cartridge, high-grade synthetic material check valve
	3	Two test sockets (third is integrated in the blind plug of the optionally available maintenance set WS295STN)	Lead-free brass
	Not depicted components:		
		Threaded adapter	Lead-free brass
		Sealing elements	Elastomer materials suitable for drinking water

Method of Operation

BA type backflow preventers are divided into three pressure zones. The pressure in zone Ⓐ is higher than in zone Ⓑ, which in turn is higher than in zone Ⓒ. A discharge valve is connected to zone Ⓑ which opens at the latest when the differential pressure between zones Ⓐ and Ⓑ drops to 0.14 bar. The water from zone Ⓑ discharges to atmosphere, both check valves close and therefore separate zone Ⓑ from zone Ⓐ and Ⓒ. 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.

Transportation and Storage

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	5 °C
Max. ambient temperature:	55 °C
Min. ambient relative humidity:	25 % *
Max. ambient relative humidity:	85 % *

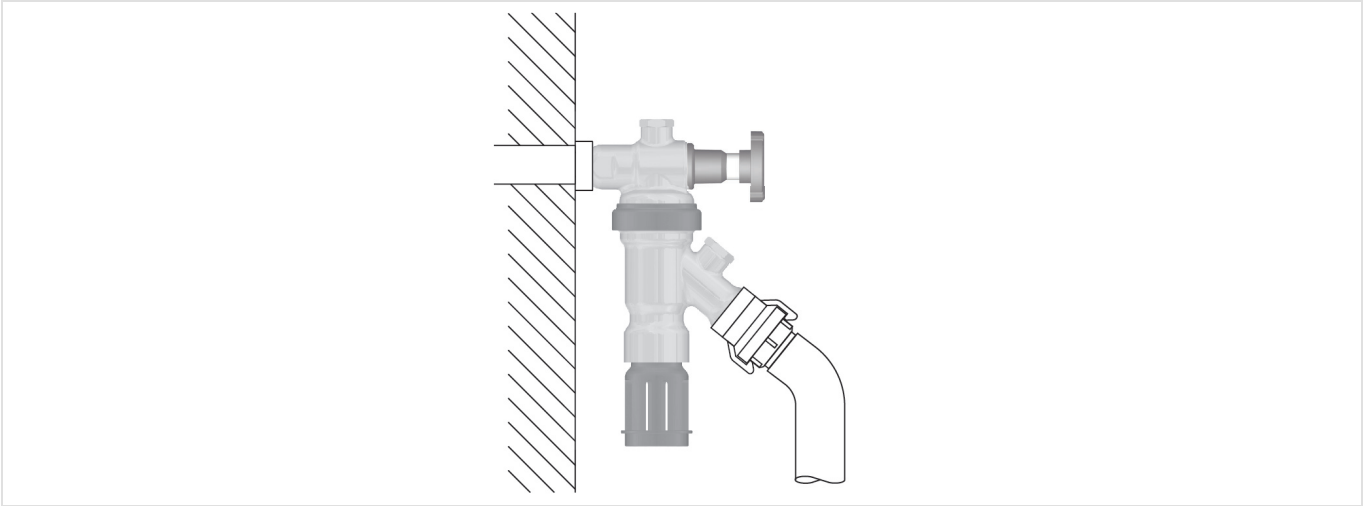
*non condensing

Installation Guidelines

Setup requirements

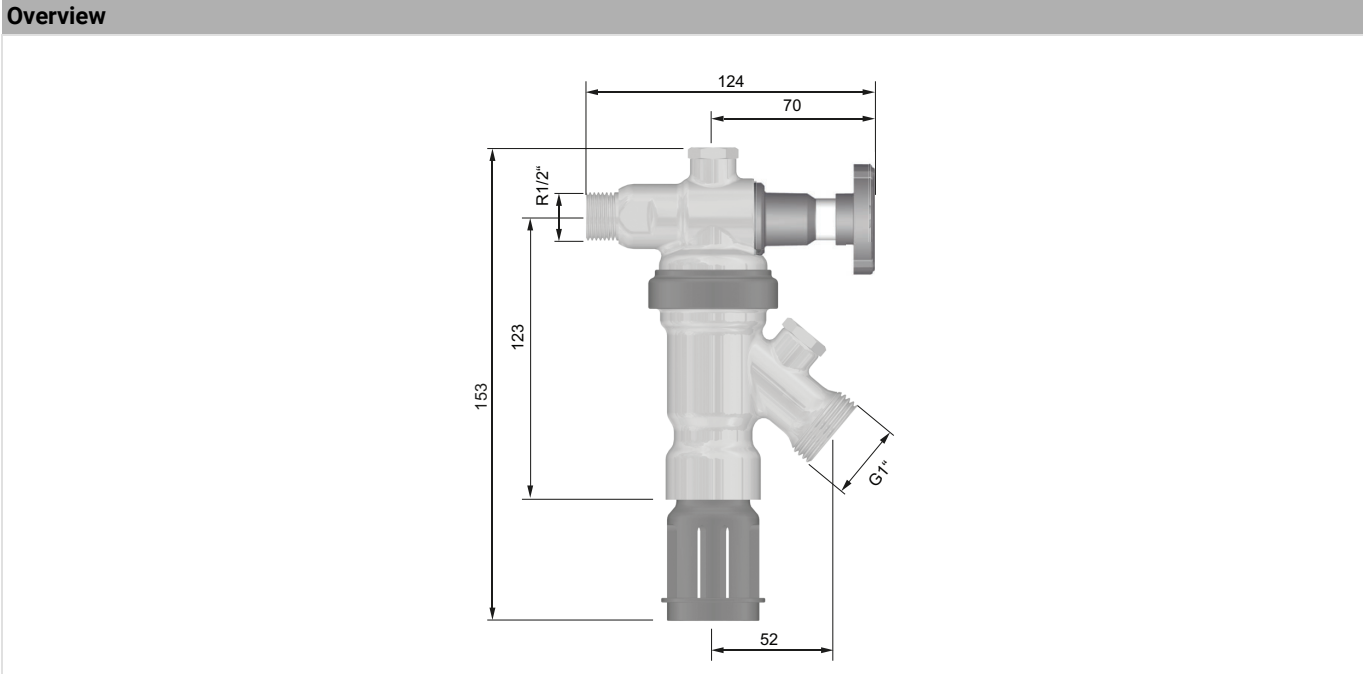
- Direct installation to 1/2" wall socket with discharge connection downwards
- Backflow preventers of this type have an integral strainer which protects the device from the ingress of dirt. With highly polluted water a fine filter should be installed upstream to ensure the correct function of the device
- The installation location should be protected against frost. For use on outside taps, the backflow preventer has to be dismantled if there may be danger of frost
- In order to avoid flooding, it is recommended to arrange a permanent, professionally dimensioned wastewater connection
- These armatures need to be maintained regularly

Installation Example



Note: Wall mounted

Dimensions



Parameter			Values
Connection size:	G		1"
Nominal size:	R		1/2"
Weight:	kg		1.1
DVGW registration number:			in progress

Note: All dimensions in mm unless stated otherwise.

Ordering Information

The following tables contain all the information you need to make an order of an item of your choice.



Options

The valve is available in the following sizes: 1/2".

- standard
- not available

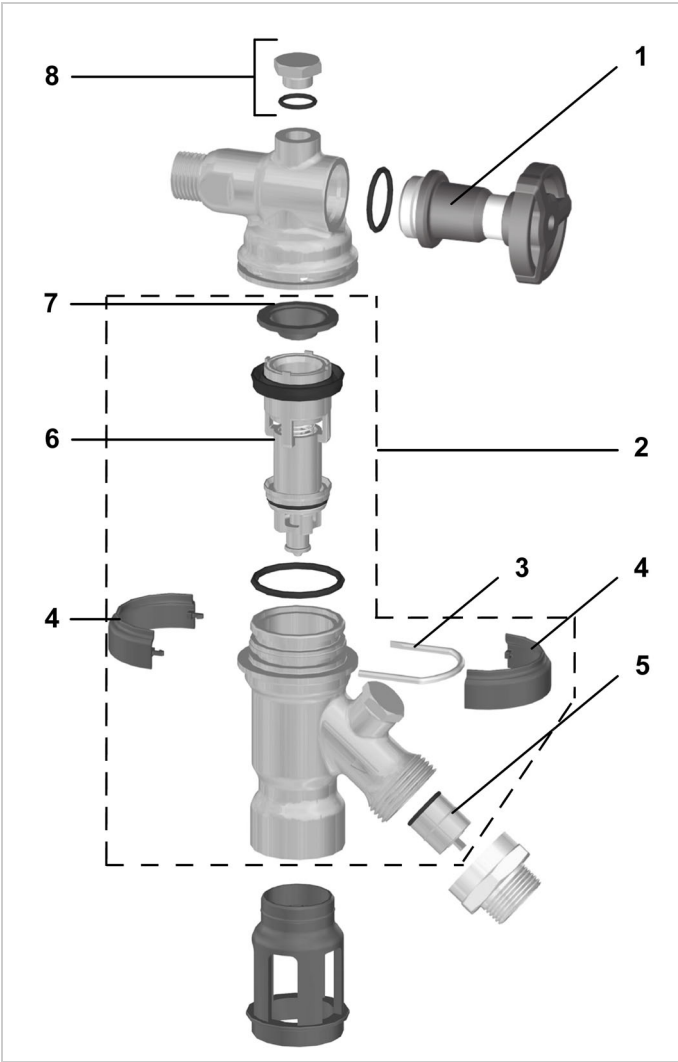
		BA295D-1/2LFAS	BA295D-1/2LFASC
Connection type:	Standard version with R ¹ / ₂ " (ISO 2999) threaded connection on inlet and G1" (ISO 228-1) threaded connection on outlet, 1" IG to 3/4" AG threaded adapter included	•	•
	Chrome plated housing	–	•

Accessories

	Description		Dimension	Item No.
	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.		
				TKA295
	WS295	Maintenance Set Maintenance-set for BA295STN and BA295D type backflow preventers for use with Test kit TK295 resp. TKA295		
				WS295STN

Spare Parts

Backflow preventer BA295D-1/2LFAS/LFASC, from 2025 onwards

Overview	Description	Dimension	Item No.
	1 Shut-off facility		
			AS295D
	2 Replacement unit		
	Not chrome plated		AE295D
	Chrome plated		AE295D-C
	3 Retaining clip (10 pcs.)		
			HK295D
	4 Seal brackets (10 pcs.)		
			PS295D
	5 Check valve insert		
		1/2"	2110200
	6 Cartridge insert complete		
		1/2"	0903733
	7 Strainer		
			S295D
	8 Set of blanking plugs		
			PS295STN