

CLASS 4 BACKFLOW PREVENTER (RPZ VALVE)

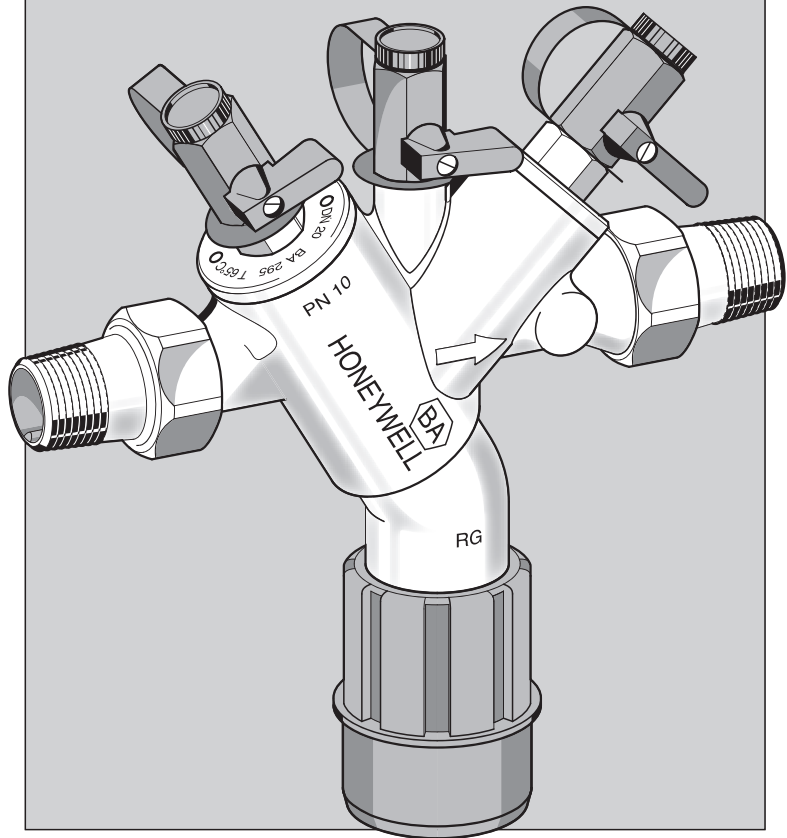
BA295

FEATURES

- Optimum protection of drinking water supply
- Triple security – two check valves and a discharge valve
- Integral inlet strainer
- Inlet check valve and discharge valve are combined in one replaceable cartridge
- Low pressure loss & high flow rate
- Compact construction

OPTIONS

- 1/2" - 2" BSP connections



APPLICATION

The BA295 Backflow Preventer is suitable to use for the protection of drinking water systems against back pressure, back flow and back siphonage.

They can be used to protect against applications up to and including liquid category 4 in residential, commercial and industrial buildings.

Typically, these valves are to be fitted inline to the supplies of commercial washing machines, restaurant kitchens and industrial processes.

NON-ELECTRIC CONTROLS

Honeywell

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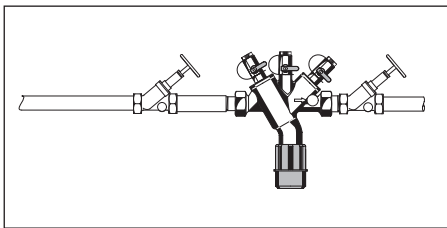
BA295

Installation

The **BA295** must be installed in a horizontal orientation, with the discharge valve pointing downwards and connected to a suitable drainage point.

The installer should ensure that the installation complies with the requirements of the "Water Supply (Water Fittings) Regulations 1999". The valve must be commissioned by a registered RPZ valve tester.

Good access must be allowed for commissioning and maintenance.



Ordering Specification

BA295 - 1/2 AGB

Class 4 Backflow Preventer with 1/2" BSP union connections

BA295 - 3/4 AGB

As above, but 3/4" BSP connections

BA295 - 1 1/2 AGB

As above, but 1 1/2" BSP connections

BA295 - 2AGB

As above, but 2" BSP connections

BA295 - 1BGB

Class 4 Backflow Preventer with 1" BSP union connections

BA295 - 1 1/4 BGB

As above, but 1 1/4" BSP connection

0903733

Replacement Inlet & Discharge check valve insert for 1/2"-1" BSP sizes

0903745

As above, but 1 1/4"-2" BSP sizes

RV295 - 1/2GB

Replacement Outlet check valve insert 1/2"-1" BSP sizes

RV295 - 1 1/4GB

As above, but 1 1/4"-2" BSP sizes

TK295

Electronic meter for commissioning and testing the BA295

TKA295

As above, but analogue device

Specification

Maximum Inlet Water Pressure : 10 bar

Minimum Inlet Water Pressure : 1.5 bar

Maximum Water Temperature : 65°C

Valve Body Material : Red Bronze

Approvals : WRAS, DIN/DVGW, KIWA

Dimensions (mm)

	R"	1/2	3/4	1	1 1/4	1 1/2	2
	H	80	80	80	284	284	284
	h	138	138	138	162	162	162
	l	135	140	146	220	220	230
	L	195	208	225	315	315	345
	W (Kg)	1.5	1.55	1.65	4.60	4.70	4.80

Operation

Class 4 Backflow Preventers function with three pressure zones. The pressure in zone 1 (inlet) is higher than in zone 2, which in turn is higher than in zone 3 (outlet). A discharge valve is connected to zone 2 which will open if the pressure in zone 2 rises to within 0.14 bar of the inlet pressure (a backflow situation). The water from zone 2 discharges to atmosphere, creating an air gap in the line. In this way the danger of back pressure or back siphonage into the supply network is prevented and the drinking water network is protected.

Flow Characteristics

