



**Reliable drinking water protection
for industrial sites and large buildings**

About Honeywell

Honeywell Environmental and Combustion Controls is the leading innovator in heating controls, gas controls and water products that improve energy efficiency and water conservation, support regulatory compliance, and maintain safe, comfortable environments in homes and buildings. For over 100 years, Honeywell has provided system solutions globally. This experience, competence and innovative approach ensures a leading position in the sector of water fittings.

Backflow Prevention

Backflow prevention devices and check valves from Honeywell provide a safe and reliable method of ensuring clean drinking water.

Water is the most important resource in the world and maintaining clean drinking water is a challenge that faces water supply companies and industrial users every day.

Backflow prevention devices ensure that contaminated fluid does not flow back into the water supply line. Type BA devices are commonly known as Reduced Pressure Zone (RPZ) Valves.

The Water Supply (water fittings) Regulation across the UK categorise fluids from 1 to 5 and allow for the use of RPZ valves up to fluid category 4. The categories are as follows:



The protection of water from contamination remains a prime priority, whether in everyday life or in industry.

Fluid Categories

Fluid Category 1

Wholesome water supplied by a water undertaker and complying with the requirements of regulations made under section 67 of the Water Industry Act 1991

Fluid Category 2

Water in fluid category 1 whose aesthetic quality is impaired owing to:

- A change in its temperature, or
- The presence of substances or organisms causing a change in its taste, odour or appearance, including water in a hot water distribution system

Fluid Category 3

Fluid which represents a slight health hazard because of the concentration of substances of low toxicity, including any fluid which contains:

- Ethylene glycol, copper sulphate solution or similar chemical additives, or
- Sodium hypochlorite (common disinfectants)

Fluid Category 4

Fluid which represents a significant health hazard because of the concentration of toxic substances, including any fluid which contains:

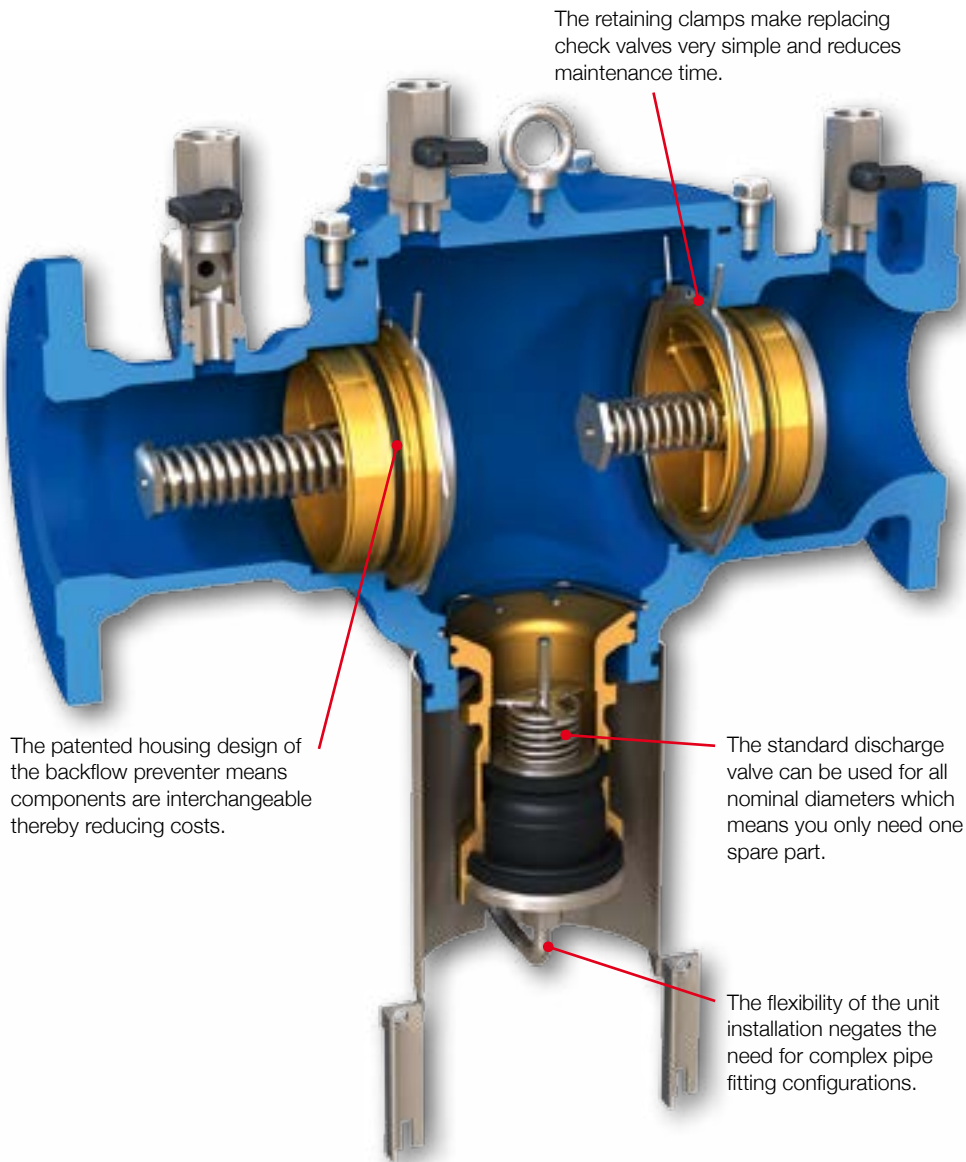
- Chemical, carcinogenic substances or pesticides (including insecticides and herbicides), or
- Environmental organisms of potential health significance

Fluid Category 5

Fluid representing a serious health hazard because of the concentration of pathogenic organisms, radioactive or very toxic substances, including any fluid which contains:

- Faecal material or other human waste,
 - Butchery or other animal waste, or
 - Pathogens from any other source
- RPZ valves may be used for all fluid categories except category 5 and there are many applications for RPZ valves including breweries, car washing and degreasing plants, dairies, commercial laundries and commercial dishwashers. All proposed installations of backflow prevention devices must be submitted to the local water supplier for approval.

The BA300 features it all



The retaining clamps make replacing check valves very simple and reduces maintenance time.

The patented housing design of the backflow preventer means components are interchangeable thereby reducing costs.

The standard discharge valve can be used for all nominal diameters which means you only need one spare part.

The flexibility of the unit installation negates the need for complex pipe fitting configurations.

Features and Benefits

- Ease of installation, and maintenance of components for repeat use
- Maintenance is possible without removing the valve from pipework
- Compact space-saving construction with high flow rates
- All parts that are in contact with water are manufactured from corrosion-resistant materials, such as brass, stainless steel and powder-coated ductile iron
- Conforms to the standards DIN EN 1717 and DIN 12729

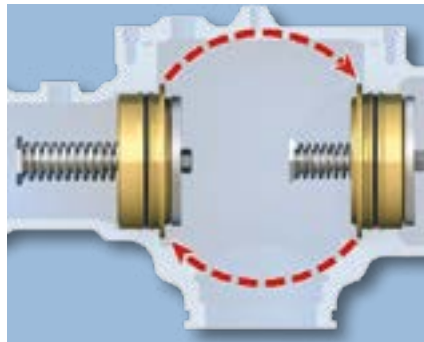


The innovative design of the BA300 makes installation quicker and reduces maintenance time.

The BA300 backflow preventer is service friendly; you have the ability to interchange the check valve housings when worn and you only need to keep one spare discharge valve.



By simply releasing and removing the retaining clips, the check valve may be lifted out and replaced.



Where the seating edges are worn, both the housing and components can be interchanged.



One discharge valve required for all sizes.

The Backflow prevention range of products

The Honeywell BA range of backflow preventers are suitable for protection against back pressure, backflow and back siphonage for fluids up to category 4.

Typical applications include commercial laundries, commercial dish-washing, breweries, laboratories, dairies and car washing / de-greasing plants.



BA195

Features and Benefits

- Compact construction - suitable for areas where space is limited
- Combined check valve and discharge valve cartridge assembly - easier servicing and maintenance
- Maximum operating temperature 65°C
- DZR brass housing
- Integrated inlet strainer
- Triple security - two check valves and a discharge valve separate the backflow preventer into three pressure zones

Sizes 1/2" - 3/4" BSP connections



BA295

Features and Benefits

- Compact construction
- Combined check valve and discharge valve cartridge assembly - easier servicing and maintenance
- Maximum operating temperature 65°C
- DZR brass housing
- Integrated inlet strainer
- Triple security - two check valves and a discharge valve separate the backflow preventer into three pressure zones
- BA295i variant - stainless body

Sizes 1/2" - 2" BSP connections



BA298I

Features and Benefits

- Light weight stainless construction
- Full stainless steel version offers maximum corrosion protection
- Maximum operating temperature 60°C
- In-line service - all components serviceable without removal from pipework

Sizes DN65 - DN150

The CA295 and BG04 are both backflow preventers. They protect against back pressure and back siphonage for fluids up to category 3. The CA295 is a mechanical non-verifiable backflow prevention device. The BG04 combines a pressure reducing valve, verifiable double check valve (type EC) and shut off valve all in one housing.

As well as mains water coolers and drinks vending machines the CA295 can be used where a permanent connection to fill a primary circuit in a domestic home is required. Typical applications for BG04 include, mains water coolers and drinks vending machines as well as for pressure reduction in domestic homes.



CA295

- High quality synthetic material inner components
- Dezincification-resistant brass housing
- Integral strainer on the inlet side
- Based on tried and tested cartridge principle with no diaphragm
- Installation: horizontal with discharge valve downwards
- Maximum operating temperature 65°C

Sizes 1/2" - 3/4" BSP connections



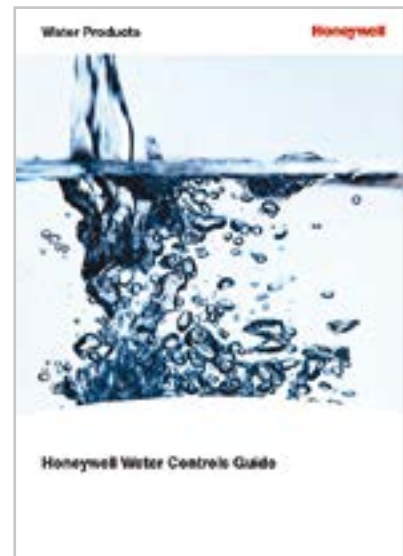
BG04

Features and Benefits

- Dezincification-resistant brass housing
- Integrated filter - mesh size 200 micron
- Adjustable outlet pressure with screwdriver
- Compact construction
- Type EC double check valve
- Inlet pressure balancing; fluctuating inlet pressure does not influence outlet pressure
- Integral shut off facility via green adjustment knob
- Quiet operation

Sizes 1/2" - 3/4" BSP connections

Check out the full range of Honeywell Water Controls. Download this brochure from www.honeywellukwater.com or scan the QR code below.



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