

Back-Flow Valve

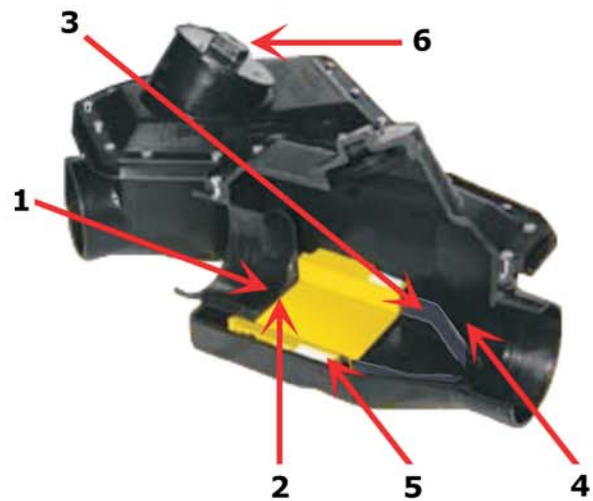
The unique design of our water and sewage valve means that in normal everyday operation the system remains *fully open* - allowing solids to flow freely & unrestricted through the entire valve.

Integral stop points within the wing of the gate, plus built-in flow channels, combine to direct the water & sewage cleanly through the valve protecting it from blockages resulting from a build-up of solids.

When back-flow occurs, the water is diverted underneath the gate, via special channels, causing the gate to close automatically against the integrated 'O' ring seal.

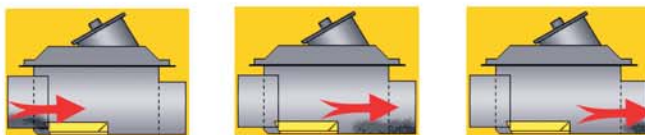
Coupled with the unique in-built flotation devices, the dual-action protection means that the valve functions whether the back-flow occurs as a steady flow or as a fast surge.

The Back-Flow Valve is simple to fit and is available with an optional add-on inspection cover.



Design Features

- 1 The valve's 'Normally Open' design results in NO FLOW RESTRICTIONS.
 - 2 No problems with blockages.
 - 3 No sewage build-up beneath the gate as the unique flow channels on the gate and body divert sewage cleanly from inlet to outlet.
 - 4 Automatic gate closure as the flow reverses, isolating the entire system from back-flow.
 - 5 Slow or fast back-flow surges are halted aided by the special polyethylene inserts.
 - 6 Built-in main sewer clean-out.
- * Virtually self-cleaning.
 - * May be installed in main-drain or branch.
 - * Economic property protection - only one valve needed per household.
 - * Easy installation and maintenance.
 - * Over 40,000 of these award-winning products have been successfully installed.



Normal Flow



Reversal Flow



Fully certified, the Back-Flow Valve offers an award-winning, innovative & effective solution to sewage backflow.

Back-Flow Valve

The Flood Control Backflow valve eliminates the blockage problems associated with old fashioned flap valves thanks to its unique patented “normally open” design

In normal operation the system is fully open allowing solids to flow freely and unrestricted through the valve, the efficiency of movement is also improved by in-built flow wings in the valve body.

Because of its fully open design the valve offers no restriction to Cleaning Rods, thus facilitating drain maintenance and the clearing of blockages further down the branch. Air is allowed to circulate freely through the valve and drainage system eliminating the risk of gas build-up or smells.

In the event of water surging back through the pipes or in flood conditions, the backflow automatically lifts a gate within the valve which shuts against a neoprene gasket seal and prevents backflow past the valve.

Thanks to its unique floatation devices the valve is equally effective against gradual backflow and fast surges.

Our Backflow valves are virtually maintenance free and only require periodic inspection. The units have a built-in main sewer cleanout point, eliminating the need for an adjacent rodding eye and are available with an optional clear see-through lid to facilitate inspection.

The valve design has won numerous awards and has been described as the most innovative and effective solution to sewage backflow available. They are fully certified by the CSA and have been vigorously tested in the most adverse of backflow conditions.

Specifications

- **Available Sizes** -100mm European Standard and 4” US Standard
- **Body, Lid, Gate** - Acrylonitrile Butadiene Styrene (ABS)
- **Lid Bolts** - Stainless Steel
- **Gate Seal** - Neoprene 241 ‘O’ ring
- **Lid Gasket** - closed-cell Neoprene
- **Gate Floats** - closed-cell cross-linked Polyethylene
- **Dimensions** - 280 x 254 x 534mm (HxWxL)
- **Weight** - 2.4kg
- **Connections** - EU Standard Male Chamfered. US Standard Female Chamfered.