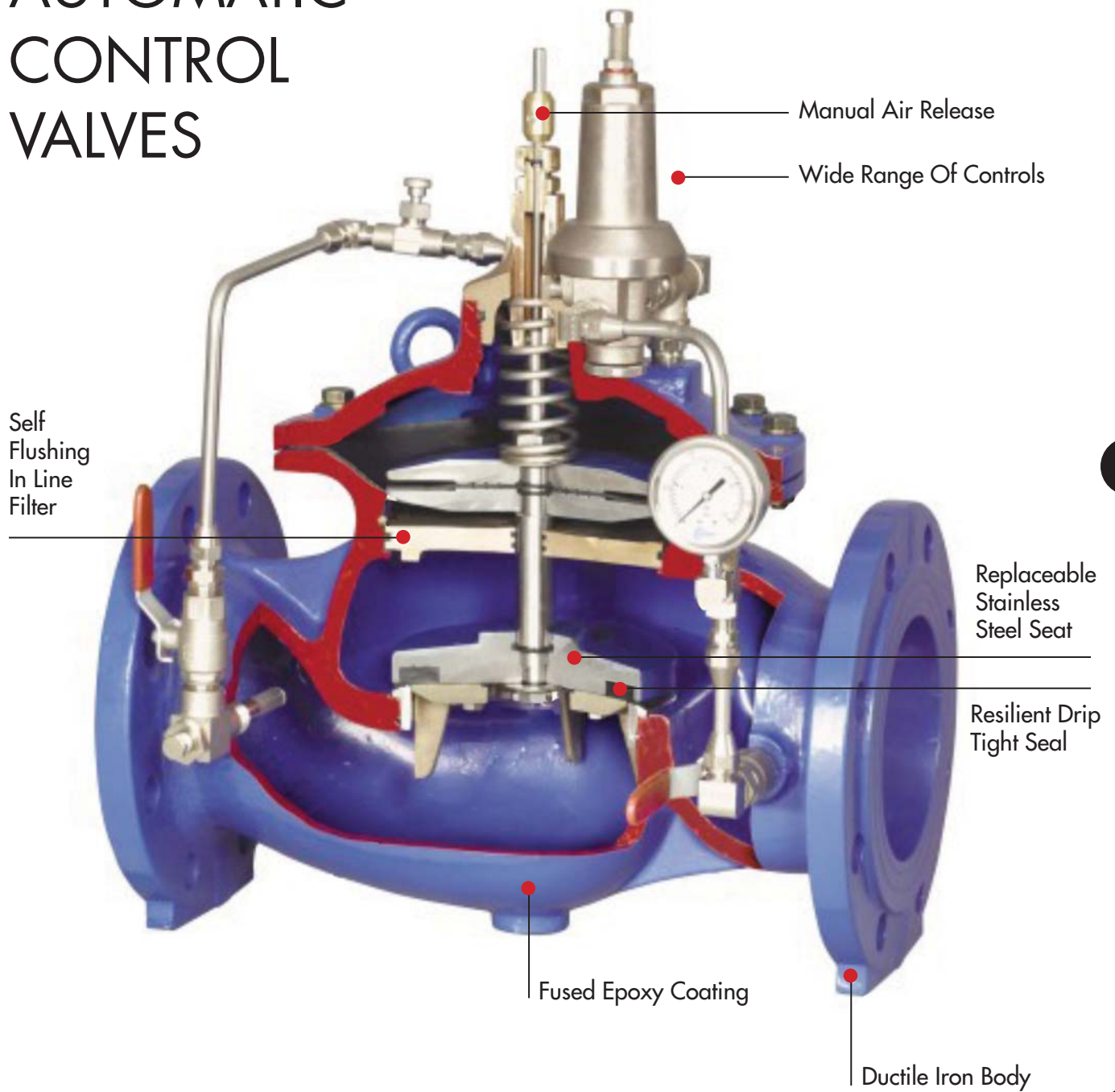




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BEECO AUTOMATIC CONTROL VALVES





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PURPOSE:

BEECO Pilot Operated Automatic Control Valves are used in residential, commercial and industrial applications to reduce incoming water pressure for protection of plumbing system components and to reduce water consumption. Control (regulating) valves are semi-automatic directional devices, which control flow and/or pressure in a water supply network. The valves are pre-set to the required operating parameters, requiring minimal adjustments by the operator. The valve can be controlled by an external source such as air, water or electric current in cases where the media is very abrasive or dirty.

SIZING AND INSTALLATION GUIDE:

It is important to note that this valve's unique design makes it resistant to cavitation caused by very high incoming pressures. It is not recommended to exceed a 3:1 ratio of incoming pressure/outgoing pressure. When you need to exceed a 3:1 ratio use multiple devices in series. As the water passes through the valve in almost a straight line, the head loss created by the valve is very low. Consequently, the Beeco Automatic Control Valve has a very high Flow Coefficient Equation factor.

HOW IT WORKS:

Flow control valves sometimes use a device to open the valve. This device is often operated by hydraulic mechanisms. When the flow valve senses a pressure change, it is the actuator that opens the valve. Some flow control valves do not use any other device to open and close. These are called automatic control valves. When pressure drops or rises, it provides enough force to open the valve automatically. When the incoming pressure increases, the valve senses this change and starts to close to slow down (regulate) the outgoing pressure and when the incoming pressure decreases the valve opens up to maintain the set pressure exiting the valve.

FEATURES AND BENEFITS:

The BEECO Automatic Control Valve has the capability to regulate "near zero" flow and completely eliminates the need for special low flow devices such as throttling or plug type valves and there is no need for a low flow bypass valve. The internal floating shaft allows for no friction or leakage eliminating the need for shaft sealing. The unique design of the shaft provides for easy field maintenance. All control ports are protected with Stainless Steel inserts.