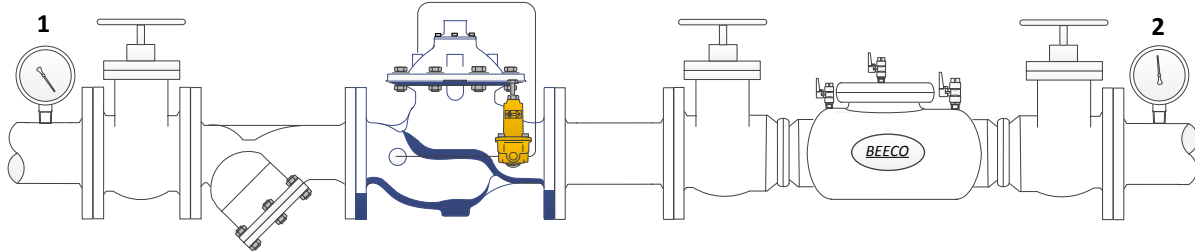




Installation Options for Pressure Reducing Valves and Backflow Devices

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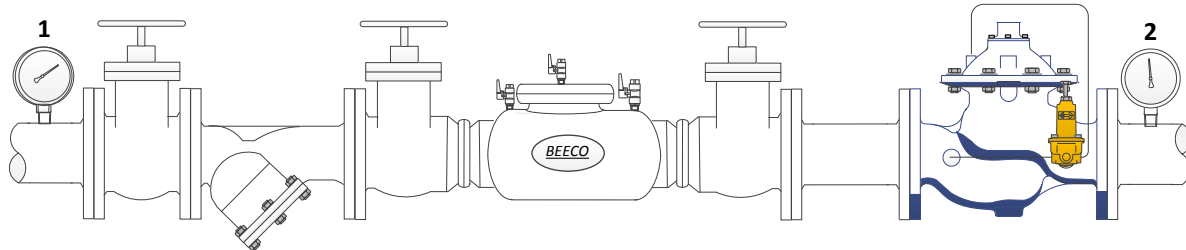
System Pressure above 175 PSI



When inlet pressure is above the maximum rated working pressure of the Backflow Device, the Model -PR Pressure Reducing Control Valve should be installed upstream of the Backflow Device. This provides maximum protection of the Backflow Device. Downstream pressure must be adjusted under a dynamic (flowing) condition, using Gauge No. 2 to verify downstream pressure setting.

Note: Pressure at Gauge No. 2 may fluctuate as downstream demand increases/decreases due to changing positions of the #1 Check in the Backflow Device. The Model -PR can be bolted directly to the upstream Backflow Isolation Valve, however, a 3-5 pipe diameter spool-piece is recommended for ease of system maintenance.

System Pressure below 175 PSI



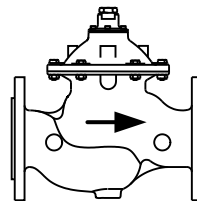
When inlet pressure is below the maximum rated working pressure of the Backflow Device, the Model -PR Pressure Reducing Control Valve can be installed downstream of the Backflow Device. This provides optimum pressure control and adjustment sensitivity of the Model -PR. Downstream pressure must be adjusted under a dynamic (flowing) condition, using Gauge No. 2 to verify downstream pressure setting.

Note: The Model -PR can be bolted directly to the downstream Backflow Isolation Valve, however, a 3-5 pipe diameter spool-piece is recommended for ease of system maintenance.

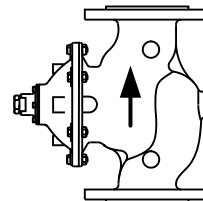
General Installation

Install the Model -PR horizontal in-line according to flow arrow. Avoid installing valves 6" & larger vertically as slower operation, premature stem wear and difficulty in Maintenance may occur.

The Pilot Control System is normally installed on the 'Right-Hand' side of the valve. Valves can be special ordered with 'Left-Hand' Pilot Control System installed. Contact BEECO for details.



Standard Horizontal Flow (all sizes)



Vertical Flow Up (4" & smaller)

