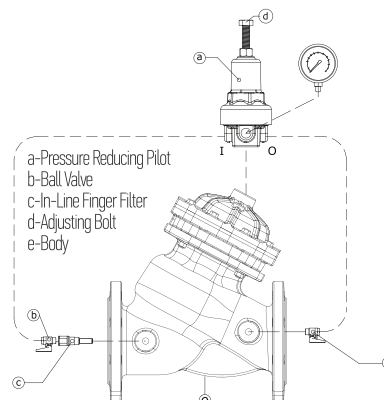


YF16BDV40



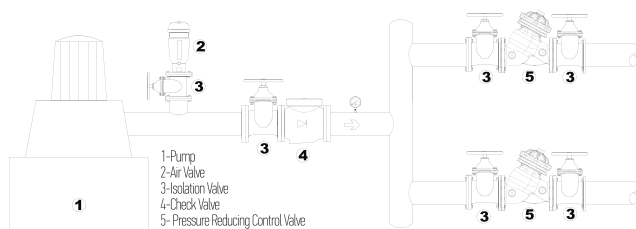
Product Description

BKV "BSV" Model Pressure sustaining control valves are designed to keep inlet pressure stable. When system pressure is higher than the adjustment pressure, inlet pressure is kept stable by opening the valve. Without being affected by pressure waves, it keeps the inlet pressure stable. It is assembled in the outlet of filtration systems and provides effective backwashing-flushing of the filtration system.

Assembly

1. Valve can be assembled horizontally or vertically.
2. Valve must be on the same level with mainlines during installation.
3. Install the valve on direction with arrow shown on the valve.
4. Isolation valves (gate valve, butterfly valve, silt trap etc.) could be installed before or after the installation.

Typical Application



Adjustment

1. Step: Get the water in the line.
2. Step: Please close the small ball valve on outlet side (b) on main valve.
3. Step: When the adjusting bolt on the pilot is released completely, you will get the pressure on the downstream pressure manometer is zero value.
4. Step: Rotate it clockwise, adjusting pressure rises and you will continue until you get the desired downstream pressure value.
5. Step: When you receive the demanded pressure value, the small ball valve (b) will be opened fully, and you maintain regular downstream pressure in the system.
6. Step: To avoid cavitation, adjust the pressure at the valve outlet to 1/3 of the maximum inlet pressure. (See the cavitation table.) If it is necessary for the output pressure to be adjusted to a lower value, the pressure should be gradually reduced by installing 2 valves.

Technical Characteristics

1. No need for extra energy by running on pressure network
2. Easy and zero adjustment to demanded pressure
3. Pressure reduction without being affected by pressure and flow changes in network
4. Manual switch on/off
5. Easy maintenance
6. Low Cavitation risk

Order Information

Please provide the following information below:

1. Maximum flow rate: m³/h
2. Maximum network/line pressure: bar
3. Main line size: mm
4. Valve connection type: -----
5. Desired downstream pressure: bar

Available Valve Sizes	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"
Product Code	YF16BDV 40	YF16BDV 50	YF16BDV 65	YF16BDV 80	YF16BDV 100	YF16BDV 125	YF16BDV 150	YF16BDV 200	YF16BDV 250	YF16BDV 300	YF16BDV 350	YF16BDV 400	YF16BDV 450	YF16BDV 500