

BACKFLUSH VALVES

3", 4" Plaslite, 2" Bronze

DESCRIPTION

Backflush valves are 3-way hydraulically operated diaphragm valves used in filtration applications with media and disc filters. The PLASLITE is a noncorrosive valve using an innovative design in the backflush mechanism eliminating maintenance. The bronze backflush valve can also be easily maintained by virtue of its design.

BACKFLUSH VALVES ADVANTAGES

- Lightweight, accessible (using a union at the flush port)
- Stainless steel flexible mechanism ensures reliable operation and sealing
- Operates and seals at low pressures
- Good friction loss characteristics

3" AND 4" PLASLITE ADVANTAGES

- Corrosive resistant backflush valve
- Reliable backflush mechanism with flexible shaft
- Pressure range from 10 -140 psi
- Frictionless position exchange

APPLICATIONS

- Media filters 36" and 48"
- Disc filters 4" V-batteries
- Star Disc-Kleen filters

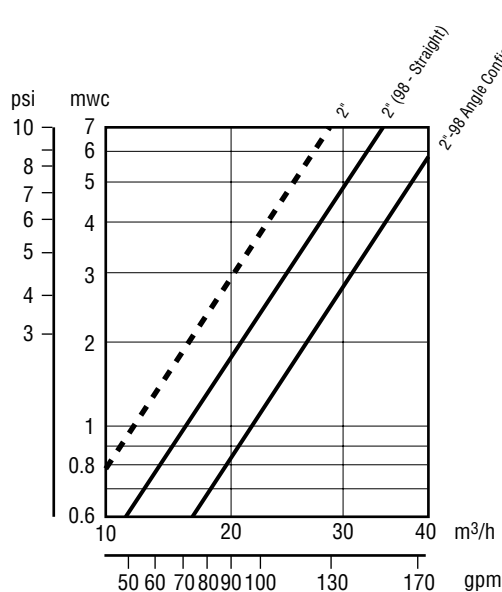
2" BRONZE ADVANTAGES

- Structural Simplicity
- Easy to Service
- Excellent hydraulic performance

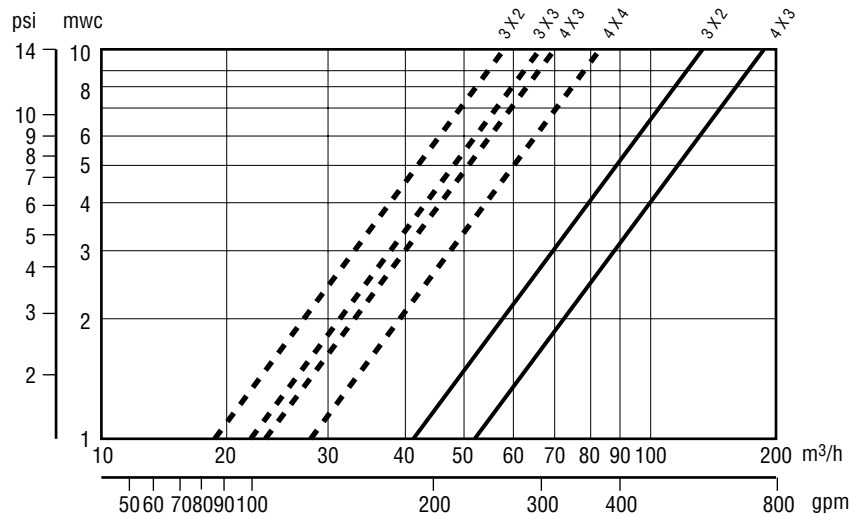
APPLICATIONS

- 4" Plaslite: 48" media filters, Galaxy Multi-Spine Disc Filters
- 3" Plaslite: 30", 36" media filters and 3" automatic disc filter batteries
- 2" Bronze (98 Model) 16", 20" and 24" media filters and 2" Disc-Kleen batteries

2" Models



3" and 4" Models



IRRIGATION MODE _____

FLUSHING MODE - - - - -

PRESSURE RATING 100 mwc (140 psi). MINIMUM OPERATING PRESSURE 7 mwc (10 psi)

BACKFLUSH VALVES

2" Plaslite (98 Model)

DESCRIPTION OF OPERATION

During filtering, the backflush valve is in open position allowing the water to flow from the inlet manifold through the main passage of the valve. The inlet water pressure pushes the diaphragm up and keeps the seal of the flush port closed.

BACKFLUSH

- When the solenoid is energized water pressure enters the control chamber of the valve causing the valve stem assembly and seal to change position.
- The inlet to the valve is sealed and the outlet port is connected with the flush port allowing the filter to backflush. When the solenoid is de-energized the diaphragm stem assembly returns to the filtering (open) position. A spring behind the seal ensures positive closure of the back flush port at very low pressures.



TECHNICAL SPECIFICATIONS AND MATERIALS

PLASLITE	2" MODEL 98
Connections: 4x4x4 Grooved 3x3x3 Grooved	2 GR* x 2 TH x 2 TH
Materials: Body: Reinforced polyamide Bonnet: Reinforced polyamide Shaft: Stainless Steel Diaphragm seal: Natural rubber	Bronze Plastic Stainless steel Natural rubber

*Grooved adapter attached.

