Let Us Help You Find A Solution!

EVERFILT
WATER FILTRATION SYSTEMS AND EQUIPMENT
SINCE 1978

Operation

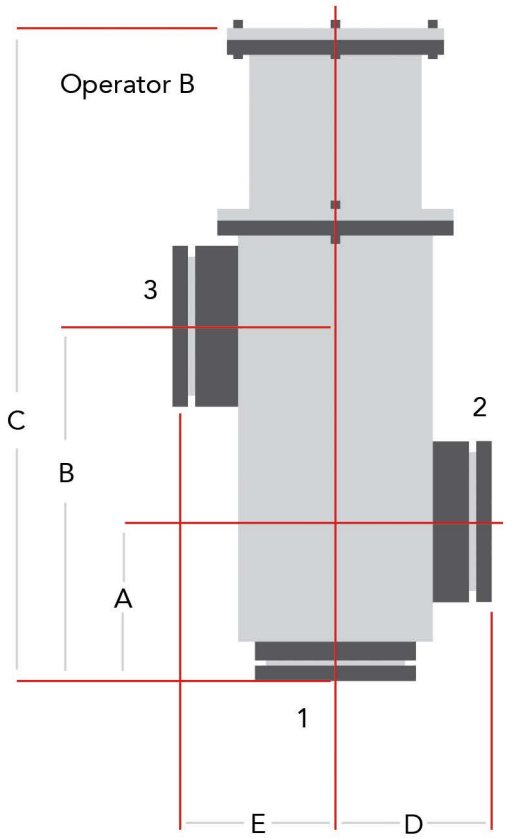
A. Normal Valve Position Port 1 & 2 Open
B. Backwash Valve Position Port 2 & 3

Operator

A. Manual
B. Automatic — Either Air or Water Pressure (as Illustrated)

Features

1. High Strength Ductile Iron
2. All Wetted Surfaces Either Stainless Steel or Epoxy
3. Easily Serviceable
4. Grooved Connections
5. Non-Slamming
6. Full Ported
7. 125 PSI Standard
8. 250 PSI Modified



Size	4" STD (standard)	4" HP (high pressure)	3"
A	4.0	4.0	3.25
B	8.13	8.13	6.38
C	15.5	15.5	13.25
D	4.25	4.25	4.0
E	4.0	4.0	4.0
1	4.0	4.0	3.0
2	4.0	4.0	3.0
3	4.0	4.0	3.0
Cv	175 GPM	175 GPM	115 GPM

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EVERFILT

Everfilt Backwash Valve

Special Features

1.	The Everfilt backwash valve is a three (3) port, two-way valve, combining both filtration and backwash modes in a single unit.
2.	The Everfilt valve is fully open in either position, giving full, unrestricted flow.
3.	The Everfilt valve body is cast from ductile and then coated with 3M #134 epoxy. The use of these materials, as opposed to plastic or other metals, yields an extremely strong and rugged unit that will withstand the abuse of heavy wrench or other overload.
4.	The 303 stainless steel shaft is corrosion and wear resistant for long heavy-duty service.
5.	The polyurethane valve seal is backed up with ductile iron support plates to assure a positive shut off.
6.	The actuator for the automatic backwash valve has an aluminum housing, piston and cover for long service life. The return spring and rolling diaphragm are designed to operate the valve smoothly under a variety of conditions.
7.	The entire assembly has been carefully designed and tested. It has been in use since 1978 and has a proven track record for reliability. It is manufactured and tested by Everfilt in our Mira Loma, California factory.

Rebuild Kit

Everfilt 3" Backwash Valve = PN# 4066-03

Everfilt 4" Standard Backwash Valve = PN# 4066-04

3" & 4" Backwash Valve Pressure Drop/Cv

3" BACKWASH VALVE		*4" BACKWASH VALVE*	
GPM	PSI	GPM	PSI
75	0.5	150	0.75
100	0.75	175	1.0
115	1.0	250	1.5
150	1.5	300	2.0
200	2.0	375	4.5
250	4.5		
Cv = 115 GPM		*Cv = 175 GPM*	

Hydraulic Actuator — Interim Maintenance Ports

The service port and flush port are used instead of **"Standard Maintenance"**, where severe conditions require interim maintenance. "Standard Maintenance" should be done to ensure the longevity of the hydraulic actuator and backwash valve.

Service Port

Remove rubber cover and inspect interior of the actuator housing and backwash shaft. Lubricate backwash with light weight oil or an aerosol spray (WD-40).
Hydraulically operate actuator to ensure proper operation. Replace rubber cover to protect actuator interior.

Flush Port

To flush the diaphragm, remove 1/4" drain plug and manually operate the actuator control valve to initiate a backwash. Source water will enter the actuator and flush the accumulated debris out of the flush port. Repeat this cycle as required. Replace 1/4" drain plug and return actuator control valve to normal mode for proper operation.

Hydraulic Actuator Modifications

The Everfilt hydraulic actuator had added (2) modifications to reduce maintenance down-time and increased serviceability.

Service Port

Inspection of actuator interior and backwash shaft lubrication can now be done through the service port. Port is located on the side of the actuator housing and is protected by a removable rubber cover. Backwash shaft can be lubricated with WD-40 or silicone aerosol spray. Rubber cover must be replaced to protect the actuator interior.

Diaphragm Flush Port

The diaphragm can now be flushed with source water, without actuator disassembly. Flushing is accomplished by removing the 1/4" drain plug (located in the actuator cover), activating the actuator control valve and allowing the source water to flush around diaphragm and out the flush drain port. Drain plug must be reinstalled.