

New

Filter Backwash Hydraulic Valves

3" x 3"

The Filter Backwash Hydraulic Valves are highly efficient and robust solutions designed for automatic backwashing of various filter systems, including media filters, disc filters, and screen filters. Engineered with a double chamber construction, this valve provides reliable operation even under varying pressure conditions. With a lightweight design and manufactured from UV-stabilized engineering-grade plastics, these valves are durable and resistance to corrosion and chemicals in outdoor applications.



HIGHLIGHTS

- **Double Chamber Construction:** Ensures low pressure actuation and diaphragm protection for reliable performance.
- **Hydraulic Design Efficiency:** Requires low actuation pressure, minimizing energy consumption and enhancing responsiveness.
- **Durable Materials:** Constructed from UV-stabilized engineering-grade plastics, providing resistance to corrosion and chemicals for longevity.
- **User-Friendly Installation:** Can be easily installed in various orientations, with provisions for in-line inspection and service.
- **Short Valve Travel:** Guarantees stability and reduces reaction time, enhancing overall system performance.
- **Wide Operating Range:** Functions effectively in pressure ranging from 0.8 to 10 bar and at temperatures ranging from -5 to 60°C.
- **Versatile Connections:** Available with 3" grooved or threaded connections for flexible integration into existing systems.

APPLICATIONS

- **Automatic Backwash Systems:** Ideal for managing backwashing in filter batteries of sand filters, disc filters, and screen filters.
- **Single Filter Autonomic Backwash:** Suitable for standalone systems requiring efficient and automatic backwashing to maintain optimal performance.

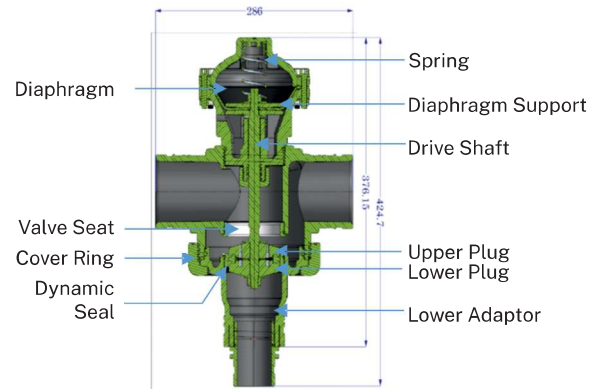


Technical Data

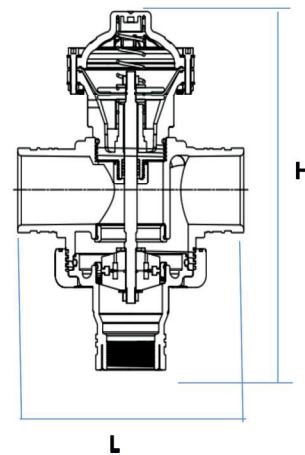
Control Chamber Displacement Volume	280 ml at 1 Bar to 435 ml at 10 Bar
Operating Pressure	0.8 Bar
External Operating Pressure	0.8-10 Bar
Maximum Temperature	-5 to 60°C
Available Connections	3" Grooved/Threaded

Material Of Construction

Valve Body	Poly Amide with Glass Fiber
Lower Adapter	Poly Amide with Glass Fiber
Cover	Poly Amide with Glass Fiber
Diaphragm	Natural Rubber
Shaft	Stainless Steel
Plug	Poly-oxy-methylene



Dimension			3" x 2" x 3" victaulic	3" x 3" x 3" victaulic
Height	H	MM	425	377
Length	L	MM	286	286



Backflush valve installed with Automatic Disc Filters



Backflush valve installed with Sand Media Filters