



VAF P-Series

Hydraulic Filter

General Information

These automatic hydraulic filters combine the advantages of high quality filtration from different water sources (sewage, reservoirs, lakes, etc.) with self-cleaning features, where the flow is uninterrupted during the filtration process.

The filters are designed for use in a wide range of industrial, municipal and irrigation applications.

The main element is made of stainless steel with a large filtration open area for water flow in order to withstand high dirt load and pressure. Cleaning of the screen is performed once the pressure loss across the filter has reached the preset value (up to 0.5 bar or 7 psi).

The filter is equipped with a coarse screen that protects the finer screen from stones and larger particles.

The flushing valve opens and pressure is released from the hydraulic piston, then water flows outside through the flushing valve. Pressure in the hydraulic motor chamber and the dirt collector is significantly lowered. The dirt collector nozzles movement and rotation cleans the screen's entire internal surface. The flushing cycle takes 10 seconds. The flushing valve closes at the end of the cycle and the filter is clean.

During the cleaning cycle, the filtration process remains uninterrupted.

Call VAF and discover the reasons our customers stay with us. *Wherever Water Flows...*

Hydraulic Scanner Specifications

Materials

- Filter body
 - Carbon steel with polyester or epoxy powder coating

- Filtration Range
 - 80 to 500 micron

- Max Working Pressure
 - up to 10 bar (150 psi)

- Min Pressure During Flushing
 - 2 bar (30 psi)

- Max Temp
 - 65° C (150° F)

- Clean Screen Pressure Loss
 - up to 0.1 bar (1.5 psi)

- Inlet/outlet
 - Flanged 4"-16"
- Inlet/outlet parallel.

- Standard Controller
 - Hydraulic

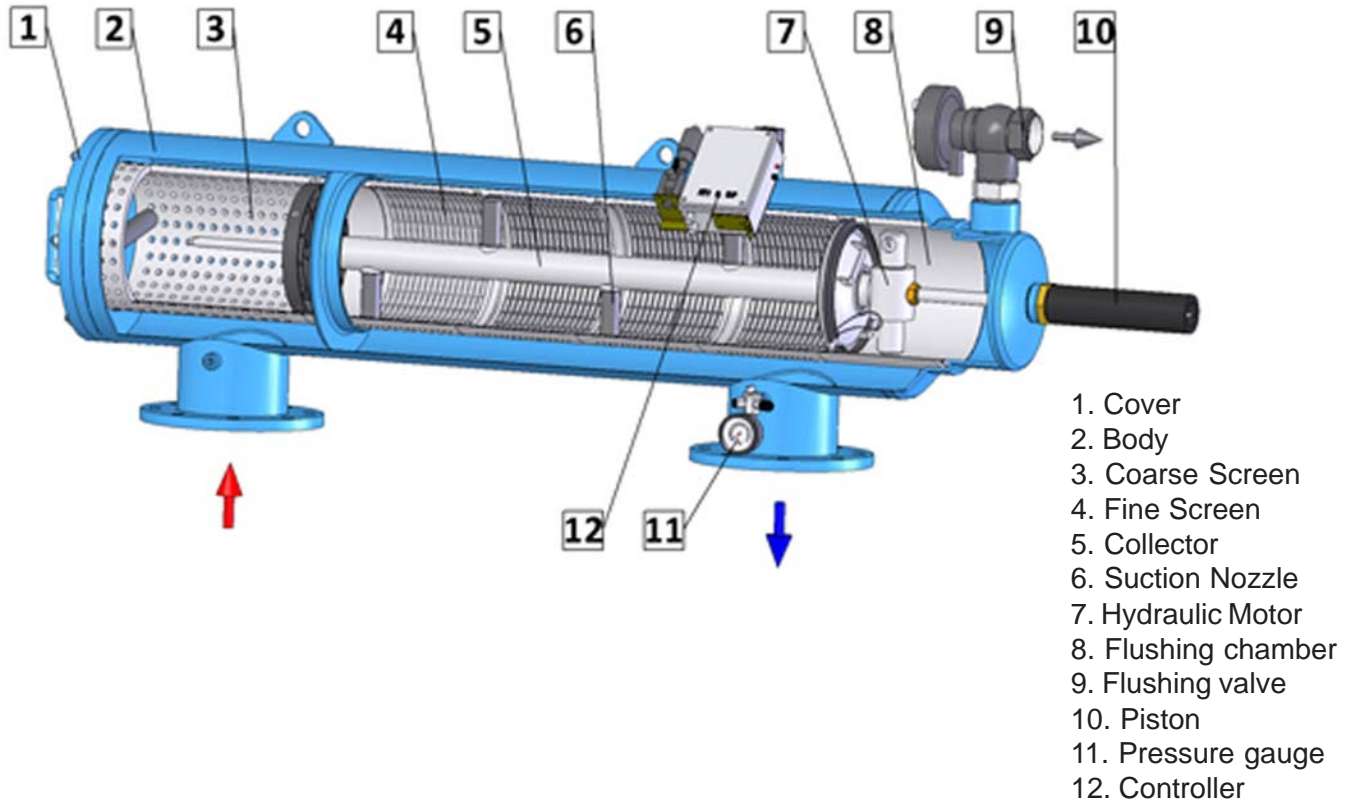
- Control Voltage
 - 9 V/12 VDC/24 VAC

- Control Option
 - A time basis backup (preset by the customer), guarantees that flushing cycle will occur even if the head loss has not reached the present value.

VAF Filtration Systems

5270 Marshall Street, Arvada, CO 80002 USA
Phone +1 303 425 4242 Fax +1 303 425 0112
www.valveandfilter.com
sales@valveandfilter.com

Filter Components



P-Series Model Numbers

MODEL	Nominal Flow*		Screen Area		Flg Sizes
	m ³ /hr	gpm	cm ²	in ²	
P-1100-04-XXX	102	450	5780	900	4"
P-1600-04-XXX	102	450	8410	1300	4"
P-1600-06-XXX	159	700	8410	1300	6"
P-1600-08-XXX	295	1300	8410	1300	8"
P-1600-10-XXX	340	1500	8410	1300	10"
P-2200-10-XXX	398	1750	11710	1815	10"
P-2200-12-XXX	455	2000	11710	1815	12"
P-2500-14-XXX	455	2000	12990	2015	14"
P-3200-16-XXX	900	4000	17020	2640	16"

*Flow rate is based on 120 micron filtration. Flow rate increases as micron increases.

XXX = Micron size

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