



## **VAF™ FILTRATION SYSTEMS**

### **NSF® CERTIFIED V-200P AUTOMATIC SCREEN FILTERS**

**WINNER OF TWO INTERNATIONAL AWARDS\*\*\***

#### **GENERAL INFORMATION**

Evoqua's VAF™ brand V-200P filters are now available with NSF®-61-372 certification. Certain applications with domestic potable water supplies require filtration to protect plumbing devices, such as faucets and toilets, from small grains of sand or scale that may come from city mainlines. This being the case, it becomes even more important that filters used for this purpose be NSF® certified.

The award winning V-200P filter features one of the most advanced and cost effective self-cleaning screen filtration technologies available. Ideal for flow rates from 7 to 50 m<sup>3</sup>/hr (30 to 220 gpm), the V-200P filter offers the best value solution for automatic filtration down to 10 micron rating.

The patented+ bi-directional drive cleaning mechanism is the simplest and most efficient design resulting in:

- fewer moving parts (no limit switches or pistons reversing the cleaning mechanism)
- simpler controls
- lowest flush flow rates and volumes
- no power required
- multiple pass cleaning
- limited maintenance requirements

The 10 to 15 second flush cycle is automatically initiated when a pressure differential across the screen increases to 0.5 bar (7 psi). The filter remains on-line and the filtration process is uninterrupted during the brief cleaning process. The flush discharge is among the lowest available resulting in

minimal waste.

#### **Specifications**

##### Materials

- Filter Body: 3" BSP/NPT/Grooved inlet/outlet glass reinforced nylon
- Screens: 316L SS sintered \*\*
- Seals: Nitrile, Viton®, silicone \*\*

##### Filtration Range

- 10 to 1500 micron

##### Flow Range

- 7 to 50 m<sup>3</sup>/hr (30 to 220 gpm) per filter \*

##### Maximum Pressure

- 8 bar (120 psi) \*\*

##### Minimum Pressure

- 2 bar (30 psi) \*\*

##### Maximum Temperature

- 40° C (104° F) \*\*

##### Flush Cycle

- 10 to 15 seconds

##### Controller

- MicroFlush™ control system - up to four filters \*\*

\* Varies depending on micron level

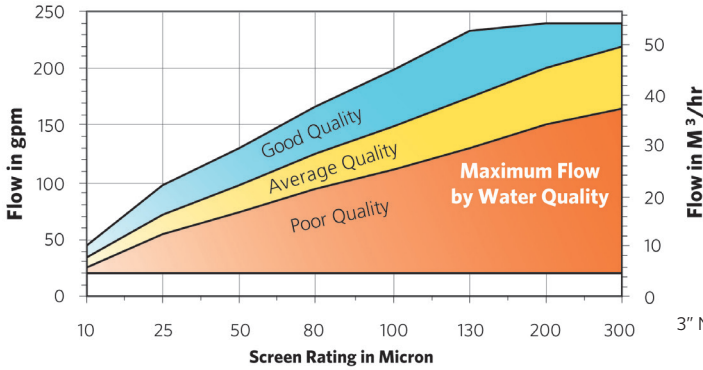
\*\* Other options available upon request

\*\*\* Water Innovation Award and Irrigation Association New Product Award

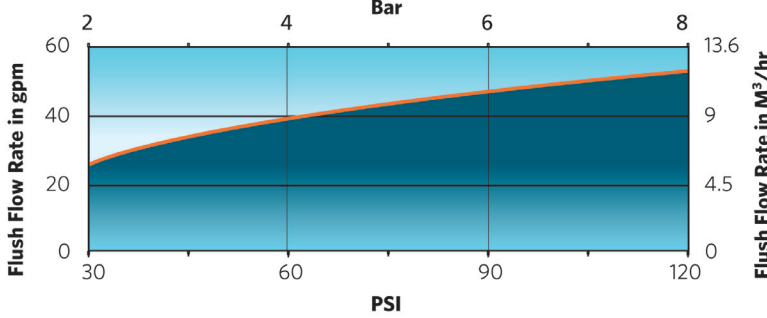
+Patented in some countries

## V-200P SPECIFICATIONS

### Maximum Flow Rates



### Flush Flow Rates



## ORDERING INFORMATION

### Standard

V-200P filter body with screen and 1.5" cast iron 24 VAC/12 VDC flush valve

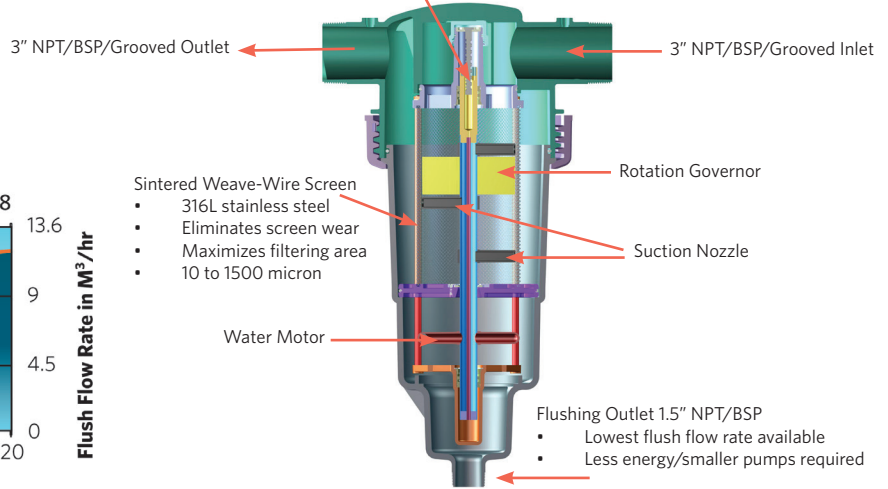
V-200-PG-KIT (optional)

### Controller (Other options available)

MF4-AC-DP

### Patented+ Bi-Directional Drive

- Controls nozzle rotation for 100% screen cleaning
- Eliminates electric motors, gear boxes, limit switches, and pistons



- ### Sintered Weave-Wire Screen
- 316L stainless steel
  - Eliminates screen wear
  - Maximizes filtering area
  - 10 to 1500 micron

### NOMINAL FLOW (M³/HR)

MODEL	DIMENSIONS (MM)		SCREEN AREA (CM²)	NOMINAL FLOW (M³/HR)				FLUSH FLOW (LITERS)
	FLUSH LINE	INLET/OUTLET		50 MICRON	80 MICRON	100 MICRON	120+ MICRON	
V-200P	40	80	1129	30	36	44	50	15

### NOMINAL FLOW (GPM)

MODEL	DIMENSIONS (IN)		SCREEN AREA (IN²)	NOMINAL FLOW (GPM)				FLUSH FLOW (GAL)
	FLUSH LINE	INLET/OUTLET		50 MICRON	80 MICRON	100 MICRON	120+ MICRON	
V-200P	1.5	3	175	131	158	193	220	4

### NOTES:

**Nominal flow** rates shown are for demonstration purposes only. Smaller micron ratings result in lower allowable flow rates.

**Flush flow** volume shown for each model is the volume of water used for that model when the pressure available to the filter is 2.4 bar (35 psi) during a 10 second flush cycle.



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