



V3 Automatic Screen Filter

General Information

The V-Series Model V3's design is the most recent, state-of-the-art self-cleaning screen filtration technology available today. The complexity and cleaning efficiency of any self-cleaning screen filter is in the mechanical system that drives the cleaning process. The V-Series® patented reverser drive mechanism is the simplest and most efficient in design resulting in:

- fewer moving parts (no limit switches or pistons reversing the cleaning mechanism),
- simpler controls,
- lowest flush waste available,
- greater cleaning efficiency, and
- lower maintenance requirements.

The V-Series Model V3's 12 to 15 second flush cycle is automatically initiated when a pressure differential across the screen increases to .5 bar (7 psi). The filter remains on line, and the filtration process remains uninterrupted during the cleaning process. The flush discharge is the lowest available resulting in minimal waste.

The V-Series filters are constructed to ASME code and are designed to incorporate a broad range of construction materials, pressure and temperature options. VAF custom manufactures filters and skids that simplify installation and meet specific requirements.

For more information contact VAF Filtration Systems!
Wherever Water Flows...

V3 Filter Specifications

Materials

- | | |
|-------------|---------------------------------|
| Filter body | • 8" - 14" inlet/outlet, 316 SS |
| Screens | • 316L SS sintered ** |
| Flanges | • AWWA Class D ** |
| Seals | • nitrile, viton, silicone ** |

Filtration Range

- 10 to 1500 micron **

Flow Range

- 27 to 734 m³/hr (120 to 3225 gpm) per filter *

Max Pressure

- 10.3 bar (150 psi) **

Min Pressure

- 2 bar (30 psi) **

Max Temp

- 80° C (176° F)

Control Options

- VF -AC - electronic, up to 12 filters
- MicroFlush - up to 4 filters

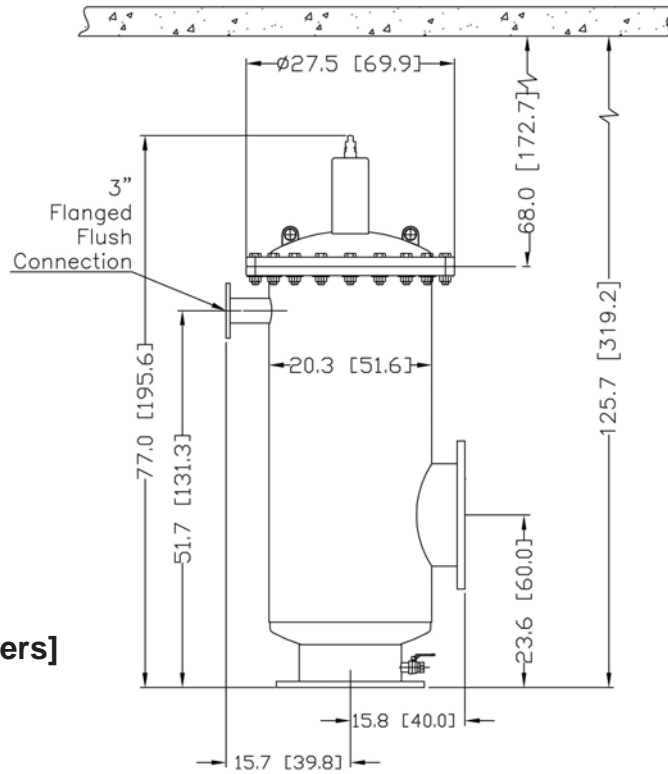
* Varies depending on micron level.

** Other options are available on request.

VAF Filtration Systems

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Dimensions



**Units =
Inches [Centimeters]**

Model	Flush Line	Inlet/Outlet	Top Clearance		Screen Area		Nominal Flow			Flush Flow		# of Nozzles
			mm	in	cm ²	in ²	m ³ /hr, (gpm)			liters	gallons	
							100 mic	200 mic	300 mic			
V3	3"	8-10-12-14	1727	68.0	10942	1,696	464 m ³ /hr, (2040 gpm)	618 m ³ /hr, (2720 gpm)	695 m ³ /hr, (3060 gpm)	125	33	6

Note: VAF "nominal flow" rates are for 100, 200 and 300 micron filtration ratings for demonstration purposes only. Larger micron ratings result in higher allow able flow rates. Smaller micron ratings result in low er allow able flow rates. Call VAF for details.

Nominal Flow rate in m³/hr (gpm) shown for the V3 is the maximum flow rate for that model with 100, 200 and 300 micron screens.

Flush Flow volume in gallons shown for the V3 is the volume of water used for that model when the pressure available to the filter is 2.4 bar (35 psi) during a 15 second flush cycle.

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