



VAF™ FILTRATION SYSTEMS

V-8000 QUAD AUTOMATIC SCREEN FILTERS

GENERAL INFORMATION

The V-Series™ filter incorporates the latest self-cleaning screen filtration technology available. The complexity and cleaning efficiency of any self-cleaning screen filter is in the mechanical system that drives the cleaning process. The patented+ V-Series filter's bi-directional drive 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
- greater cleaning efficiency
- lower maintenance requirements

The V-Series filter's 12 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.

The V-Series filters are available ASME certified and are manufactured in an ASME certified facility. The filters come in a broad range of materials, pressure and temperature ratings. Evoqua custom manufactures filters and skids to simplify installation and meet specific requirements.

Specifications

Materials

- Filter Body: 16" - 40" inlet/outlet Epoxy Coated Carbon Steel **
- Screens: 316L SS sintered **
- Flanges: AWWA Class D **
- Seals: Nitrile, Viton®, silicone **

Filtration Range

- 10 to 1500 micron

Flow Range

- 27 to 2,928 m³/hr (120 to 12,888 gpm) per filter *

Maximum Pressure

- 10 bar (150 psi) **

Minimum Pressure

- 2 bar (30 psi) **

Maximum Temperature

- 80° C (176° F) **

Flush Cycle

- 12 to 15 seconds for each of up to four flush valves

Controller

- MicroFlush™ control system - single filter (up to four flush valves) **
Each V-8000 filter requires designated MicroFlush™ Controller

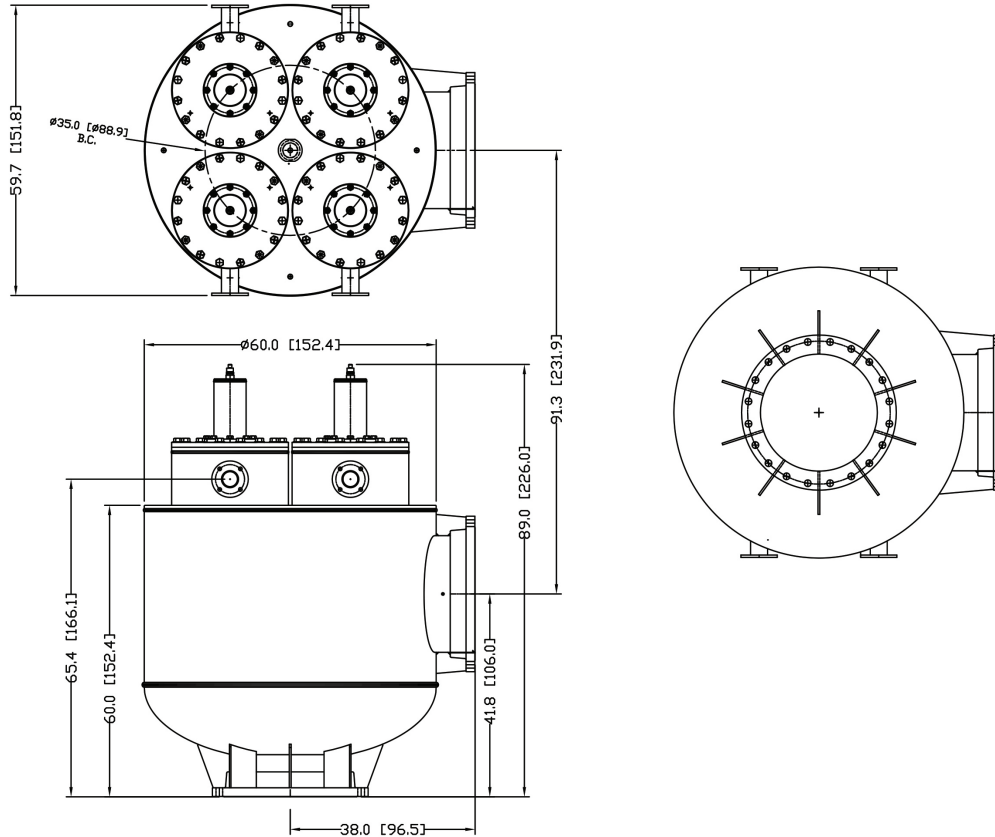
* Varies depending on micron level

** Other options available upon request

+Patented in some countries

V-8000 QUAD DIMENSIONS AND TECHNICAL INFORMATION

Units = IN [CM]



SPECIFICATIONS

MODEL

MODEL	TANK VOLUME (M ³)	TANK VOLUME (LITERS)	DRY WEIGHT (KG)	TOTAL WET WEIGHT (KG)
V-8000	2.4	2714	2756	5190

SPECIFICATIONS

MODEL

MODEL	TANK VOLUME (FT ³)	TANK VOLUME (GAL)	DRY WEIGHT (LBS)	TOTAL WET WEIGHT (LBS)
V-8000	86	717	6075	11441



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