

VAF™ Filtration Systems

Self-Cleaning Screen Filters

General Information

The V-Series™ system 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 patented+ V-Series bi-directional drive mechanism is the simplest and most efficient design resulting in:

- Fewer moving parts (no limit switches or pistons)
- Simpler controls
- Lowest flush flow
- Greater cleaning efficiency
- Lower maintenance requirements

The V-Series system 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 the among the lowest available resulting in minimal waste.

VAF filters come in a broad range of materials, pressure and temperature ratings. Xylem has the ability to custom manufacture filters and skids that simplify installation and meet specific requirements.



Specifications

Construction

- Filter Body: 316L SS
- Screens: 316L SS sintered
- Flanges: AWWA Class D
- Seals: Nitrile, viton, silicone

Operating information

- Filtration: 10 to 1500 micron
- Flow: 60 to 5,812 gpm per filter
- Max Pressure: 150 psi (Higher pressure available)
- Min Pressure: 30 psi
- Max Temperature: 80° C (176° F)

Flush Cycle

- 7 psi dp
- 12 to 15 seconds