



## VAF™ FILTRATION SYSTEMS VF\_-AC CONTROLLER

### GENERAL INFORMATION

The VAF™ brand VF\_-AC electronic filter controller offers simplicity with all the features necessary to fully monitor and control the operation of self-cleaning filter systems.

This controller allows flush cycles to be initiated by:

- manual
- periodic (time between flushes), and/or
- pressure differential across the filter

Up to 4, 8 or 12 parallel filters may be connected to the VF\_-AC controller. Multiple filters flush sequentially when a flush cycle is initiated. The controller then checks to be sure the pressure differential has dropped to zero, indicating the filter has been cleaned. Should the system experience three flush cycles without the differential dropping to zero, the VF\_-AC will send an alarm signal. Upon power failure, the VF\_-AC will continue without data loss.

To ease installation, optional stainless steel straps are available that allow the controller to be mounted directly to the body of a V-Series™ filter.

### Specifications

#### Housing

- NEMA/EEMAC type 4, 4x, 12, and 13 molded fiberglass with GE Lexan Margor window. Quick release latches, lockable cover. \*\*

#### Electrical Input

- 115 VAC
- 230 VAC
- 12 VDC (Battery/Solar) used with 12 VDC pulse, 2-wire latching solenoids

#### Electrical Output

- 24 VAC
- 12 VDC Continuous Solenoids
- 12 VDC Pulse, 2-Wire Latching Solenoids

#### Display

- LCD indicating Flush Count, Last Flush Interval, Operating Mode, Alarm

#### Controls

- Flush Duration, Dwell Time (Pause Between Sequential Flushes), Flush Interval (Maximum Time Between Flushes), Reset, Manual Flush, Circuit Breaker, Power On/Off

#### Alarm Output

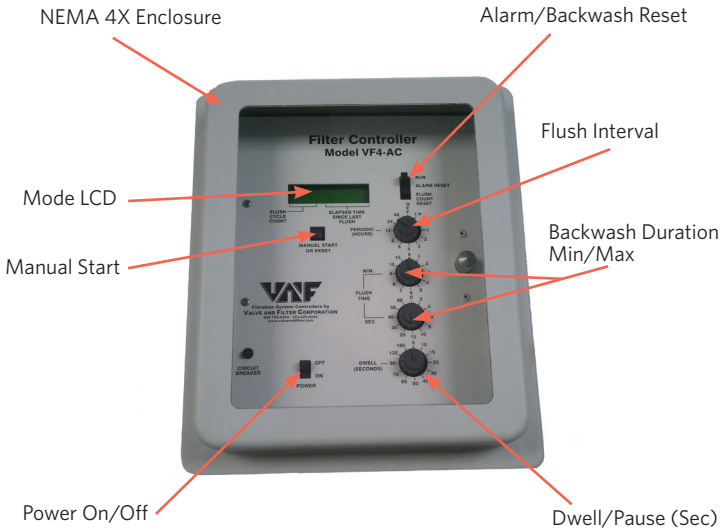
- 24 VAC, 1 amp with AC Input
- 12 VDC, 1 amp with DC Input

#### Filter Capacity

- Up to 4, 8 or 12 filters plus master valve

\*\* Other options available upon request

## VF\_-AC CONTROLLER FEATURES



### How to Order

Part Number:  
 ↓ Number of Stations  
 ↓ Electrical Input

VF\_-AC-\_\_\_\_\_

### ORDERING INFORMATION

#### Models Available

VF4-AC (1 to 4 Filters)

VF8-AC (1 to 8 Filters)

VF12-AC (1 to 12 Filters)

#### Electrical Input

115 VAC

230 VAC

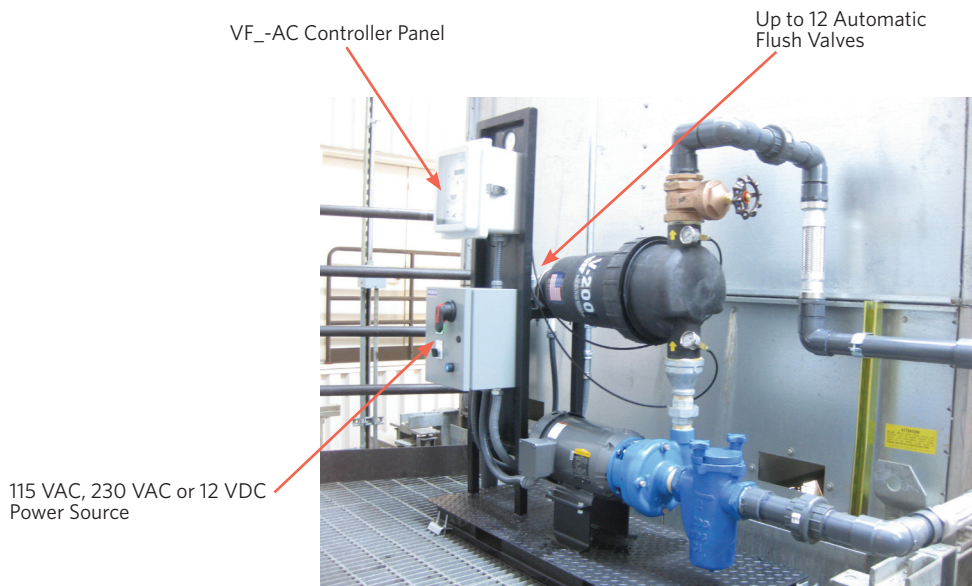
12 VDC (Battery/Solar)

EXAMPLE: VF4-AC-115 VAC

Options:

Stainless steel straps enable mounting controller directly to V-Series™ filter body (V-250 to V-2000H).

### Typical Installation



5270 Marshall St, Arvada, CO 80002 USA

Phone: +1 (303) 425-4242

Fax: +1 (303) 425-0112

[www.vafusa.com](http://www.vafusa.com)

[www.evoqua.com](http://www.evoqua.com)

VAF and V-Series are trademarks of Evoqua, its affiliates or subsidiaries in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

© 2018 Evoqua Water Technologies LLC

Subject to change without notice

VAFVFACCONTROL.DS.0418