



## V-200PA Automatic Screen Filter

*Winner of Two International Awards\**

### V-200PA Specifications

#### General Information

The award winning V-200PA features the most advanced and cost effective self-cleaning screen filtration technology available today. Ideal for flow rates from 4.5 m<sup>3</sup>/hr (20 gpm) to 50 m<sup>3</sup>/hr (220 gpm); the V-200PA offers the best value solution for automatic filtration down to 10 micron.

The V-Series® patented BHD - Bidirectional Hydro Dynamic Drive mechanism used in the V-200PA is the most efficient and simplistic design available resulting in:

- fewer moving parts
- simpler controls
- lowest flush flow rates and volumes available
- no power required
- cleans in one pass
- limited maintenance requirements

The V-200PA is constructed using glass reinforced nylon and 316L stainless steel. The inherent corrosion resistance of these materials ensures a long service life under a wide range of water quality conditions including seawater.

The V-Series' 10 to 15 second flush cycle is automatically initiated when a pressure differential across the screen increases to a maximum of .5 bar (7 psi). The filter remains on-line, and the filtration process continues uninterrupted during the cleaning process. The flush discharge is the lowest available resulting in minimal waste.

The V-200PA is perfectly suited for process water, cooling tower filtration, pre-filtration of membrane, irrigation, or wherever suspended solids are removed down to 10 micron.

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

#### Materials

- |             |  |
|-------------|--|
| Filter body | <ul style="list-style-type: none"><li>• 3" NPT inlet/outlet</li><li>• 3" BSP inlet/outlet</li><li>• Glass reinforced Nylon</li></ul> |
| Screens     | <ul style="list-style-type: none"><li>• 316L SS sintered **</li></ul>  |

#### Screen Area

- 1129 cm<sup>2</sup> (175 in<sup>2</sup>)

#### Filtration Range

- 10 to 1500 micron\*\*

#### Flow Range

- 4.5 to 50 m<sup>3</sup>/hr per filter  
(20 to 220 gpm per filter)

#### Max Pressure

- 8.5 bar (120 psi)\*\*

#### Min Pressure

- 2 bar (30 psi)\*\*

#### Max Temp

- 60°C (140°F) \*\*

#### Flush Cycle

- 10 to 15 seconds

#### Control Options

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

\* WaterInnovation Award and International IA New Product Award

\*\* Other options are available on request.

## VAF Filtration Systems

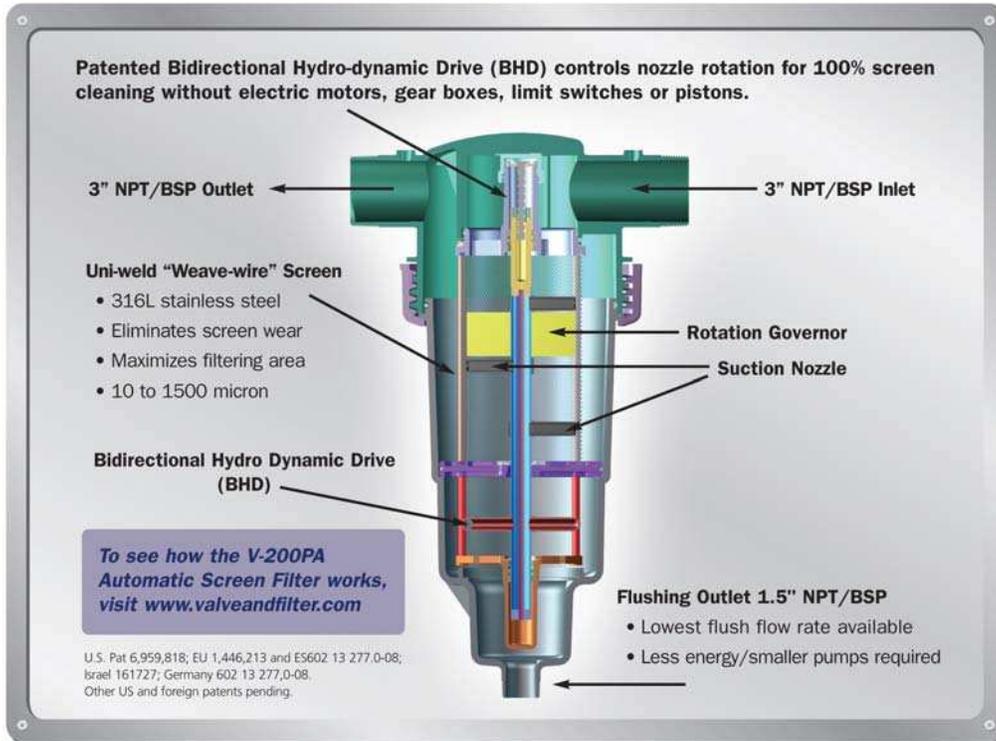
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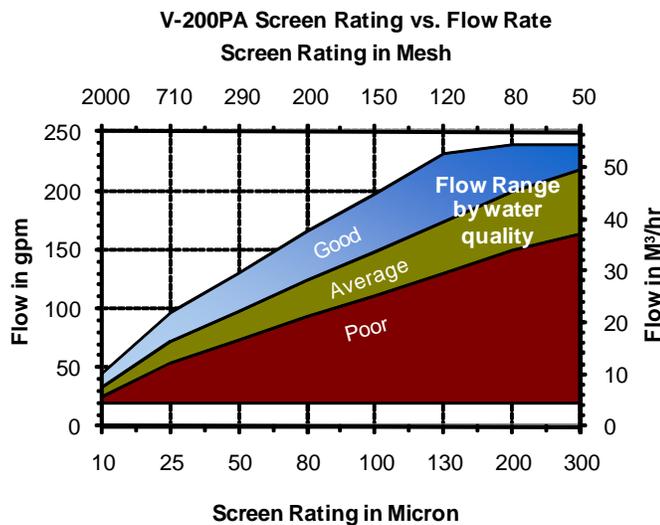
## Specifications and Dimensions



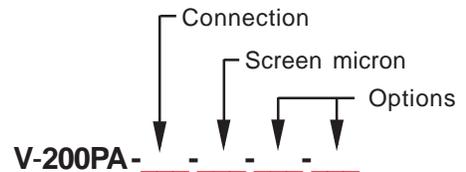
Model	Screen Area		Nominal Flow								Flush Flow (10 sec.)		# of Nozzles	Dry Weight	
	in <sup>2</sup>	cm <sup>2</sup>	50 micron (270 mesh)		80 micron (200 mesh)		100 micron (150 mesh)		120 micron + coarser (120 mesh)		gal	liter			
V-200PA	175	1129	131 gpm	30 m <sup>3</sup> /hr	158 gpm	36 m <sup>3</sup> /hr	193 gpm	44 m <sup>3</sup> /hr	220 gpm	50 m <sup>3</sup> /hr	4	15	3	25 lbs	10 kg

Nominal Flow rates shown above are for demonstration purposes only. Smaller micron ratings result in lower allowable flow rates. Call VAF for details. Dimensions are approximate, please contact VAF for drawings.

### Flow Information



### How To Specify



<u>STANDARD</u>	<u>CONNECTIONS</u>	<u>SCREEN MICRON</u>
Automatic self-cleaning screen filter	3" NPT: <u>3N</u> 3" BSP: <u>3B</u>	<u>50, 80, 100,</u> <u>120, 200, 300</u>

#### OPTIONS

**PK** - Pressure Kit, includes 2 glycerine filled gages and fittings.  
**YS** - Wye strainer for use with systems with 1/8" or larger particulate.

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