



# VAF Automatic Self-Cleaning Filters

## V-200PA Automatic Screen Filter

*Offering high performance, cost-effective filtration solutions for a wide range of applications.*

The new V-200PA filter features state-of-the-art self-cleaning screen filtration technology. The key feature of the V-200PA is the patented Infinity Drive™ internal mechanism which rotates the cleaning mechanism inside the filter. It requires no external power source resulting in minimal moving parts and reduced 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. It is a cost effective solution for automatic filtration down to 10 micron. Ideal for flow rates from 1.3Lps to 13.9 Lps. A range of screen sizes are available for different filtration needs.

- **Minimal water wastage**
- **Fewer moving parts - no limit switches or pistons to reverse the cleaning mechanism**
- **Simpler controls**
- **No external power source**
- **Lowest flush flow available**
- **Greater cleaning efficiency**
- **Uninterrupted flow**
- **Very low maintenance requirements**

### Flush cycle

The 10 to 15 second flush cycle is automatically initiated when a pressure differential across the screen increases to 50kPa. 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.

### Uses

VAF filters remove silt, scale, sand, dirt and organic matter such as algae from virtually all types of water sources.

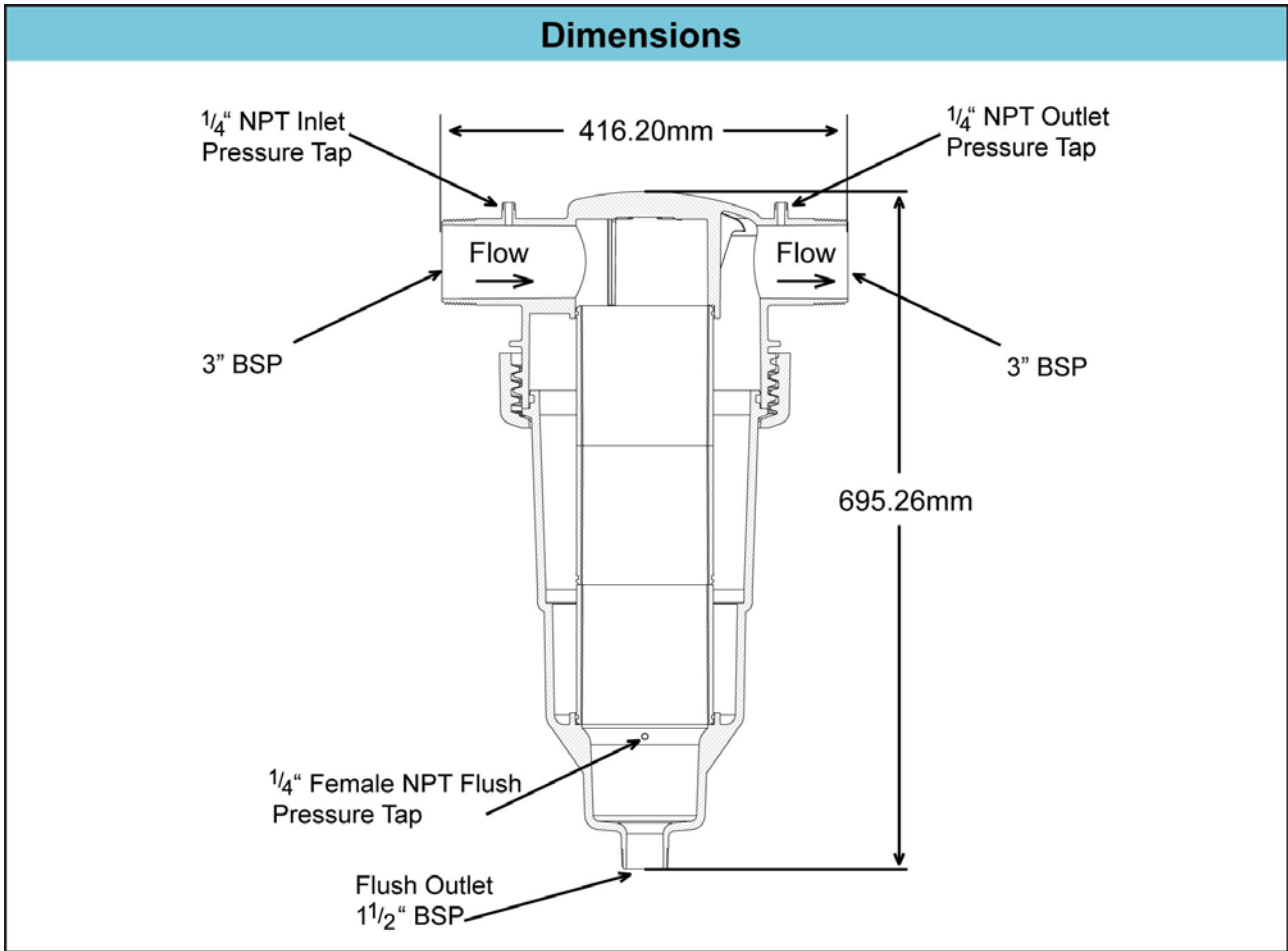
- **Cooling tower and process water**  
Maximises heat transfer efficiency, reduces maintenance, and water treatment chemical costs. Significant reductions in sludge can lead to reduced *Legionella* growth.
- **Irrigation**  
Protects drip, micro and sprinkler irrigation systems.
- **Wastewater reuse**  
Allows re-use of process water and effluent.
- **Surface, ground and bore water**  
Protects plant and equipment from impurities in ground water, bore water and sea water.



### Key Features

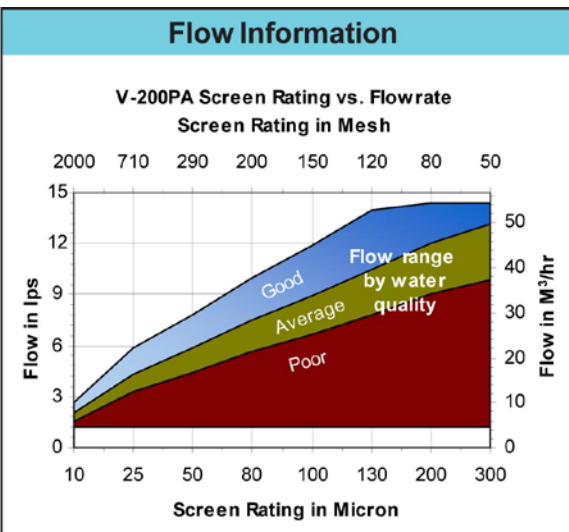
<b>Materials</b>	
> Filter body	<ul style="list-style-type: none"> <li>• 3" BSP inlet/outlet</li> <li>• 1½" BSP flush outlet</li> <li>• Glass reinforced nylon</li> </ul>
> Screens	<ul style="list-style-type: none"> <li>• 316L SS sintered **</li> </ul>
<b>Filtration Range</b>	<ul style="list-style-type: none"> <li>• 10 to 1500 micron **</li> </ul>
<b>Flow Range</b>	<ul style="list-style-type: none"> <li>• 1.3 to 13.9 Lps per filter</li> </ul>
<b>Max Pressure</b>	<ul style="list-style-type: none"> <li>• 1035 kPa **</li> </ul>
<b>Min Pressure</b>	<ul style="list-style-type: none"> <li>• 205 kPa **</li> </ul>
<b>Max Temp</b>	<ul style="list-style-type: none"> <li>• 80° C **</li> </ul>
<b>Flush Cycle</b>	<ul style="list-style-type: none"> <li>• 10 to 15 seconds</li> </ul>
<b>Control Options</b>	<ul style="list-style-type: none"> <li>• VF1-H – single filter hydraulic controller, does not require electricity.</li> <li>• VF1-B battery powered, single filter</li> <li>• VF-AC – electronic, up to 12 filters</li> <li>• VF-PFC – programmable, electronic, data logging, multiple interface options</li> </ul>

\*\* Other options are available on request.



Model	Screen Area	Nominal Flow				Flush Rate	No. of nozzles	Dry Weight
		25 micron	50 micron	100 micron	120+ micron			
V-200PA	1130 cm <sup>2</sup>	8.3lps	9.9lps	12.1lps	13.9 lps	1.3 lps	3	10kg

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



Contact your HydroChem representative on **1300 558 788** or visit [www.hydrochem.com.au](http://www.hydrochem.com.au) for more information regarding the V-200PA automatic self-cleaning filters.

VAF is a US based manufacturer with over 25 years experience designing and manufacturing industrial water filters. HydroChem is the sole distributor of VAF filters in Australia.

V-Series filters are constructed in the USA to ASME code and are designed to incorporate a broad range of construction materials and pressure and temperature options.

HydroChem is recognised as the clear market leader in Australia's water services industry. For over 30 years we have successfully minimised the risks associated with water.

We are Australian owned and operated, with over 150 employees across Australia.

HydroChem focuses on innovation and is committed to continuous improvement in quality, service, efficiencies and client relationships.

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