The Culligan Hi-Flo® 50 Series

INDUSTRIAL WATER FILTER SYSTEM

Durable High-Volume Water Filtration for Industrial Applications

The Culligan Hi-Flo 50® Filter reduces contaminants* and solids that affect equipment efficiency and water quality. Configure the system based on your requirements, adding tanks and instrumentation as your usage increases. Use the Culligan®-exclusive Smart Controller to easily manage and control your filtering options. Save time and effort with an automatic timer or sensors that reliably monitor your water usage and quality without constant supervision.

The Hi-Flo 50 industrial water filter is part of the Culligan® Commercial and Industrial Solutions that combine durable and efficient equipment, systems experience, and technical experts who understand your unique requirements. From planning your system to installing your water treatment equipment, Culligan® Commercial and Industrial Solutions offer options that help deliver the quality of water to meet your needs. Your investment in treated water pays off when you work with the best equipment and people. Contact Culligan® today to discuss your water treatment options.

CULLIGAN® COMMERCIAL AND INDUSTRIAL SOLUTIONS ADVANTAGES:

• Simple System Integration
• Global Product Platform
• Flexible Configurations
• Quick Delivery / Easy Installation
• Exclusive Culligan® Advanced Electronics
  - Historical Operating Data
  - Alarm Recognitions
  - US Standard and Metric Readings
  - Remote Monitoring Options
  - Telemetry Options

*Contaminants may not necessarily be in your water.

Markets Served:

Clinics
Educational Facilities
Energy / Power
Food / Beverage Production
Food Service / Restaurants
Grocery
Healthcare / Hospitals / Bio-Pharmaceutical
Hospitality / Lodging
Manufacturing
Municipal Drinking Water
Oil / Gas

PRE-TREATMENT SOLUTIONS.
System Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>US</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet Pressure (GPM)</td>
<td>120</td>
<td>600 KPa</td>
</tr>
<tr>
<td>Voltage Frequency Phase</td>
<td>120 Vac/24 Vac</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Feed Water Temperature</td>
<td>40~120°F</td>
<td>4-49°C</td>
</tr>
</tbody>
</table>

Hi-Flo 50 Water Filter System

Examples of Filter Applications

- Pretreatment – For water softeners, reverse osmosis and deionization systems
- Boilers – Turbidity reduction, reduce sludge blowdown
- Drinking Water – Turbidity reduction, chlorine reduction, improves taste and clarity
- Food And Beverage – Improved taste
- Industrial Processes – Reduces particulate matter
- Telemetric Capability
- Regeneration initiation by choice or combination of time clock, meter or pressure differential switch
- Carbon Filters – For reduction of organics (flow rates up to 98 gpm), or chlorine (flow rates up to 196 gpm)
- Depth Filters – Flow rates up to 295 gpm
- Vehicle Wash – Turbidity reduction
- Office buildings – For heating plant pretreatment, tenant convenience, general housekeeping
- Side-Mounted Valve Harness – Guided perimeter designed diaphragm valves are smooth operating and free of water hammer, all valve parts are easily accessible in the design for ease of service
- Corrosion resistant tanks – Made of low carbon steel with epoxy interior lining and finish coat painted exterior

Standard Features

- Single or Multiple Tank Configurations
- Culligan’s Smart Controller – More control over your equipment with programming and monitoring capabilities typically found in more expensive PLC controls, a variety of add-on options for advanced instrumentation and communication let you easily customize the system to help meet your needs
- Telemetric Capability
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Optional Features & Accessories

- Skid Mounted – Fully pre-piped and wired systems for single point field utility connection of inlet, outlet, drain and power supply
- Patented Progressive Flow – Culligan’s Smart Controller can monitor flow demands bringing additional tanks on-line or offline as flows increase or decrease
- ASME Code Tanks
- Flow Measuring Devices – Available for volume based regeneration initiation
- Differential Pressure Switch
- Gauge Packages – Pressure gauges provided for mounting at the inlet and outlet connection
- Remote Display
- RS232, RS485, Modbus PLC Output
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Hi-Flo 50 Water Filter System

Depth Filters

<table>
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<tr>
<th>Model</th>
<th>Service Flow Rates1</th>
<th>Backwash Flow2</th>
<th>Pipe Size (in/mm)</th>
<th>Media Qty (lbs/kg)</th>
<th>Filter Tank Size (in/mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD-483</td>
<td>Normal 126 @ 5, 189 @ 10</td>
<td>188</td>
<td>3</td>
<td>4280</td>
<td>48 @ 60</td>
</tr>
<tr>
<td></td>
<td>Peak 476.9 @ 34.5</td>
<td>715.4 @ 69</td>
<td>711.6</td>
<td>76.2</td>
<td>1941</td>
</tr>
<tr>
<td>HD-544</td>
<td>Normal 159 @ 5, 289 @ 8</td>
<td>270</td>
<td>4</td>
<td>6690</td>
<td>60 @ 60</td>
</tr>
<tr>
<td></td>
<td>Peak 607.8 @ 34.5</td>
<td>964.6 @ 55.2</td>
<td>794.9</td>
<td>101.6</td>
<td>2495</td>
</tr>
<tr>
<td>HD-604</td>
<td>Normal 196 @ 4</td>
<td>295 @ 10</td>
<td>270</td>
<td>4</td>
<td>6690</td>
</tr>
<tr>
<td></td>
<td>Peak 741.9 @ 27.6</td>
<td>1116.6 @ 69</td>
<td>1022</td>
<td>101.6</td>
<td>3140</td>
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1 Service flow rates are based on normal (10 gpm/lpm - 24 m³/hr) - Best quality effluent at specified flow. Lowest pressure loss. Recommended for suspended solids loads up to and greater than 300 ppm.
2 Backwash flow rates are based on 12-14 gpm/lpm (29-34 m³/hr) using 50°F (10°C) water. A different backwash rate may be required depending upon water temperature.

Warranty

Culligan’s Hi-Flo 50 water filters are backed by a limited 1-year warranty against defects in materials, workmanship and corrosion. In addition, filter tanks are warranted for a period of 5 years. 1 See printed warranty for details. Culligan will provide a copy of the warranty upon request.

Hydran Water Filter System

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For over 80 years, Culligan® has made better water. Our global network, comprised of 800+ dealers and international licensees in over 90 countries, is dedicated to addressing your water-related problems. As a worldwide leader in water treatment, our sales representatives and service technicians are familiar with the local water conditions in your area. Being global and local position us to deliver customized solutions to commercial and industrial water issues that affect your business and your bottom line.

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Culligan reserves the right to change the specifications referred to in this literature at any time, without prior notice.