



The Culligan Hi-Flo® 22 Series Water Filter System



EXAMPLES OF 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

High-Quality Filtered Water At Your Fingertips

The Culligan Hi-Flo 22 Filter is an ideal system for producing high-quality water at variable quantities, reducing solids and contaminants* that affect equipment performance and durability. Set up and monitor a single or multiple tank system using the Culligan-exclusive Smart Controller that effectively filters your water regardless of volume.

The Hi-Flo 22 filter is part of the Culligan Matrix 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 Matrix Solutions offer options that help deliver the quality of water to meet your needs. Contact Culligan today to learn more about the Hi-Flo 22 filter system.

*contaminants are not necessarily in your water.

Culligan Matrix 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



**Pre-Treatment
Solutions**



**Membrane
Solutions**



**Deionization
Solutions**



**Storage
Solutions**



**Distribution
Solutions**

Warranty

Culligan's Hi-Flo 22 filters are backed by a limited 1-year warranty against defects in materials, workmanship, and corrosion. The plastic conditioner tank has a 5-year warranty. See printed warranty for details.†

†See printed warranty for details. Culligan will provide a copy of the warranty upon request.

Examples of Filter Applications

- Food and Beverage — Improved taste and increased cost savings
- Drinking Water — Reduces turbidity and chlorine; improves taste and clarity
- Boilers — Turbidity reduction, reduce sludge buildup
- Light Industry Processes — Reduces particulate matter
- Grocery/Retail — Quality water for aesthetics and help extend equipment life
- Pretreatment — For softeners, RO's and DI systems
- Vehicle Wash — Turbidity reduction

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
- Regeneration initiation by choice or combination of time clock, flow meter or differential pressure switch
- Carbon Filters — For reduction of organics (flow rates up to 12 gpm per tank), or chlorine (flow rates up to 24 gpm per tank)
- Depth Filters — Flow rates up to 36 gpm per tank
- Corrosion Resistant Positive Motor-Driven Regeneration Valve — Motor driven piston resists dirt, iron and turbidity
- Corrosion Resistant Tanks — Made from fiberglass reinforced polyester
- Under-drain design reduces pressure loss
- Flow meter

Optional Features & Accessories

- Patented Progressive Flow — Culligan's Smart Controller can monitor flow demands bringing additional tanks on-line or offline as flows increase or decrease
- Pressure Differential Switch
- Bypass valve
- Remote Display
- RS232, RS485, Modbus PLC Output
- Skid Mounted Systems

System Specifications

Specification	US	Metric
Pipe Size, All Units	1.5"	
Maximum Operating Pressure	20–125 psig	135–860 kPa
Power Voltage Frequency Phase	24 50/60 Hz ¹	
Feed Water Temperature	33–120° F	0-48° C
Power Consumption	3/100 Watts	
Vacuum	None ²	

1 120 Volt/24 Volt CUL/UL listed Transformer Included.
2 Tank warranty is void if subject to vacuum.

Hi-Flo 22 Water Filter System

Model	Depth Filters					
	Service Flow Rates ¹		Backwash Flow ² (gpm/lpm)	Pipe Size (in./mm)	Media Qty. (lbs./kg)	Filter Tank Size (in./mm)
	Normal gpm @ psi drop lpm @ kPa drop	Peak gpm @ psi drop lpm @ kPa drop				
DF-12	8 @ 2	12 @ 4	10	1.5	180	12 x 52
	30.3 @ 13.8	45.4 @ 27.6	37.9	1.5	82	305 x 1,321
DF-14	11 @ 3	16 @ 5	15	1.5	208	14 x 47
	41.6 @ 20.7	60.6 @ 34.5	56.8	1.5	94	356 x 1,194
DF-16	14 @ 3	21 @ 6	20	1.5	280	16 x 53
	53 @ 20.7	79.5 @ 41.4	75.7	1.5	127	406 x 1,346
DF-21	24 @ 7	36 @ 13	30	1.5	615	21 x 62
	90.8 @ 48.3	136.3 @ 90	113.6	1.5	279	533 x 1,575

¹ Service flow rates are based on:
Normal (10 gpm/ft² - 24 m²/hr/m²) - Best quality effluent at specified flow. Lowest pressure loss. Recommended for suspended solids loads up to and greater than 300 ppm.
Peak (15 gpm/ft² - 37 m²/hr/m²) - Very good quality effluent at specified flow. Increased pressure loss. Recommended for suspended solids loads < 300 ppm.
² Backwash flow rates are based on 12-14 gpm/ft² (29-34 m²/hr/m²) using 50° F (10° C) water. A different backwash rate may be required depending upon water temperature.
NOTE: Operational, maintenance and replacement requirements are essential for this product to perform as advertised. Specifications shown are for single models. Also available in multiple tank configurations.

Model	Carbon Filters					
	Service Flow Rates		Backwash Flow ³ (gpm/lpm)	Pipe Size (in./mm)	Media Qty. (ft ³ /m ³)	Filter Tank Size (in./mm)
	Taste Odor & Organic Removal ¹ gpm @ psi drop lpm @ kPa drop	Dechlorination ² gpm @ psi drop lpm @ kPa drop				
CF-12	4 @ 0.5	8 @ 1	8	1.5	2	12 x 52
	15.1 @ 34.5	30.3 @ 6.9	30.3	1.5	0.057	305 x 1,321
CF-14	5 @ 1	11 @ 2	10	1.5	3	14 x 47
	18.9 @ 6.9	41.6 @ 13.8	37.9	1.5	0.085	356 x 1,194
CF-16	7 @ 1	14 @ 2	15	1.5	3	16 x 53
	26.5 @ 6.9	53 @ 13.8	56.8	1.5	0.085	406 x 1,346
CF-21	12 @ 2	24 @ 7	25	1.5	6	21 x 62
	45.4 @ 13.8	90.8 @ 48.3	94.6	1.5	0.17	533 x 1,575

¹ Service flow rates for taste, odor & organic removal are based on 5 gpm/ft² (12 m²/hr/m²).
² Service flow rates for dechlorination are based on 10 gpm/ft² (24 m²/hr/m²).
³ Backwash flow rates are based on 10 gpm/ft² (24 m²/hr/m²) using 50° F (10° C) water. A different backwash rate may be required depending upon water temperature or the type of carbon used.
NOTE: Operational, maintenance and replacement requirements are essential for this product to perform as advertised. Specifications shown are for single models. Also available in multiple tank configurations.

Finally, an end-to-end solution from a single source.



Place your commercial and industrial water treatment needs in the hands of a global leader.

For over 70 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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