



#### Markets Served:

Clinics  
Educational Facilities  
Energy / Power  
Food / Beverage Production  
Food Service / Restaurants  
Grocery / Retail  
Healthcare / Hospitals / Bio-Pharmaceutical  
Hospitality / Lodging  
Manufacturing  
Municipal Drinking Water  
Oil / Gas  
Apartment / Office Buildings  
Car Washes  
Light Industry

## The Culligan® High Efficiency (HE) Series WATER FILTER SYSTEM

### High-Quality Filtered Water At Your Fingertips.

The High Efficiency (HE) filter with patented technology delivers improved efficiency by reducing contaminants\* that affect equipment performance and durability. With the Culligan® Smart Controller, available on the HE, customers can set-up a single or multiple tank system that adjusts to flow demand. Customers can also monitor their water treatment system performance, consumable usage, and maintenance needs, at a single site or across multiple ones 24 hours a day.

The HE 1" 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® can offer options that help deliver the quality of water to meet your needs. Contact Culligan® today to learn more about the HE filter system.

#### CULLIGAN® 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
- National Network of Local Water Experts



\*Contaminants may not necessarily be in your water.



**PRE-TREATMENT SOLUTIONS.**

# SYSTEM SPECIFICATIONS

## Warranty

Culligan's HE water 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.<sup>†</sup>

<sup>†</sup>See printed warranty for details. Culligan® will provide a copy of the warranty upon request.

## System Specifications

Specification	US	Metric
Pipe Size, All Units	1.0"	
Maximum Operating Pressure	20–125 psig	135–860 kPa
Power Voltage Frequency Phase	24 50/60 Hz <sup>1</sup>	
Feed Water Temperature	33–120° F	0–48° C
Power Consumption	8.4/21.6 Watts	
Vacuum	None <sup>2</sup>	
Turbidity	5 NTU, max. <sup>3</sup>	
Chlorine	1 mg/L, max. <sup>3</sup>	
Iron	5 mg/L	

<sup>1</sup> 120 Volt/24 Volt CUL/UL listed Transformer Included.  
<sup>2</sup> Tank warranty is void if subject to vacuum.  
<sup>3</sup> See media specification for details.

## Examples of Filter Applications

- RO / DI Pretreatment
- Apartment buildings, assisted living facilities and hotels — Quality water for laundry, dishwashers, boilers
- Office buildings — For heating plant pretreatment, tenant convenience, general housekeeping
- Restaurants — For dishwashing, cleaning material savings, scale reduction
- Car washes — Quality results, detergent and water heating savings, scale reduction
- Grocery / Retail — Quality water for aesthetics and help extend equipment life
- Light industry — For process and make-up water, boiler and cooling system pretreatment, general housekeeping

## Standard Features

- 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
- Built-in Soft-Minder® flow meter
- Telemetric Capability

- Corrosion Resistant Positive Motor-Driven Regeneration Valve — Motor driven piston is reliable under server water conditions, resists dirt, iron and turbidity
- High-impact Quadra-Hull® Tank stands up to outdoor use with a four-layer design that resists UV rays, rust and corrosion with limited lifetime warranty
- Under-drain design enhances softening capacity and reduces pressure loss
- Multi-Poppet Design — Allows for easy service and increases durability and valve life

- Electronic By-Pass — The filter can be by-passed electronically either from the unit or from the remote monitor and automatically goes back into service after a pre-set time
- Tested and certified by WQA against NSF/ANSI 42, 61 & 372 Material Safety Standards and CSA B483.1 requirements
- The Control Enclosures are available that complies with UL 50/50E and UL 746C standards for a NEMA 3R Enclosure Rating
- Long-lasting brine tank and DUBL-Safe™ brine refill control assure proper operation

## Optional Features & Accessories

- Remote display makes it possible to control and monitor the filter from another part of the building
- Cell modems can put your Culligan® dealership on notice of the filter needs servicing
- Skid-mounted systems available
- Configurable for RS232, RS485, Modbus PLC Output, BACnet and Profibus

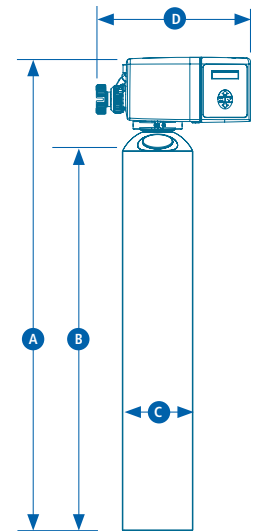
## HE Water Filter Systems

Depth Filters							
Model	Service Flow Rate gpm@psi drop lpm@kPa drop	Backwash Flow gpm / lpm	Pipe Size in / mm	System Dimensions* in/mm			
				A	B	C	D
HE DF-9	9 @ 9	4.5	1	56	48	9	15
	34 @ 62	17	25.4	1,422	1,219	229	381
HE-DF-10	12 @ 15	7	1	62	54	10	16
	45 @ 103	27	25.4	1,575	1,372	254	406

Neutralization Filters							
Model	Service Flow Rate gpm@psi drop lpm@kPa drop	Backwash Flow gpm / lpm	Pipe Size in / mm	System Dimensions* in/mm			
				A	B	C	D
HE NF-9	4 @ 2	3.5	1	56	48	9	15
	15 @ 14	13	25.4	1,422	1,219	229	381
HE-NF-10	6 @ 5	5.5	1	62	54	10	16
	23 @ 34	21	25.4	1,575	1,372	254	406

Carbon Filters							
Model	Service Flow Rate gpm@psi drop lpm@kPa drop	Backwash Flow gpm / lpm	Pipe Size in / mm	System Dimensions* in/mm			
				A	B	C	D
HE CF-9	4 @ 2	3.5	1	56	48	9	15
	15 @ 14	13	25.4	1,422	1,219	229	381
HE-CF-10	6 @ 4	5.5	1	62	54	10	16
	23 @ 28	21	25.4	1,575	1,372	254	406

\*Approximate dimension for all models from the wall to front of controller is 20".



**Culligan®**

**www.culligan.com • 866-787-4293**

For 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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