



The Culligan Hi-Flo® 3e Skid Series

Nearly 200 configurations of multi-tank softener and filter systems available to meet your water treatment needs.

Culligan® Commercial and Industrial Solutions is focused on providing a modular platform of water treatment systems designed to solve your unique water treatment concerns. Our Commercial Skid Series offers nearly 200 different duplex and triplex configurations of our top softener and filter models available with different piping material and flow configurations depending on your performance and budgetary needs. All tanks are shipped fastened onto the steel skid for safe and easy transportation. The plumbing and wiring harnesses are pre-assembled in the factory to keep the installation time and labor at the absolute minimum. Every system offers simple, single point field utility connections for inlets, outlets, drains and power supplies on the most compact space possible.

Save yourself the uncertainty of quoting customized solutions piecemeal with non-Culligan systems. Our Commercial Skid Series are sold as standard part numbers with competitive pricing and lead times. Contact Culligan® today to find the best skid solution for you.

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

CULLIGAN® COMMERCIAL & INDUSTRIAL 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.

SYSTEM SPECIFICATIONS

Warranty

Culligan's Hi-Flo 3e water softeners are backed by a limited 1-year warranty against defects in material, workmanship and corrosion. In addition, softener tanks are warranted for a period of 5 years.[†]

[†] See printed warranty for details. Culligan® will provide a copy of the warranty upon request. Some localities have corrosive water. A softener cannot correct this condition, so its printed warranty disclaims liability for corrosion of plumbing lines, fixtures, or water-using equipment. If you suspect corrosion, your independently operated Culligan® dealer has equipment to help control the problem.

System Specifications

Specification	US	Metric
Inlet Pressure (dynamic)	30–120 psig	210–830 kPa
Power Voltage Frequency Phase	120/24 V AC ¹ 50/60Hz	
Power Consumption	3/100 Watts Min/Max	
Vacuum	None ²	
Feed Water Temperature	40–100° F	4–38° C

¹ 120 Volt/24 Volt CUL/UL listed Transformer Included.

² Tank warranty is void if subject to vacuum.

³ See media specification for details.

Examples of Softener Applications

- Food and Beverage - Improved taste and increased cost savings
- Educational facilities - Boiler and cooling tower make-up water for scale reduction and improved energy costs
- Restaurants - For dishwashing, cleaning material savings, scale reduction
- RO Softener / DI Pretreatment
- Car washes - Improved rinsing results, detergent and water heating savings, scale reduction
- Apartment buildings, assisted living facilities and hotels - Quality water for laundry, dishwashers, boilers
- Grocery / Retail - Quality water for aesthetics and to help extend equipment life
- Light industry - For process and make-up water, boiler and cooling system pretreatment
- Office buildings - For heating plant pretreatment, tenant convenience, general housekeeping

Hi-Flo 3e Skid System Features:

- All Softener models include one stainless steel flow meter per tank
- Culligan's smart controller (GBE) and communication cables are included to provide programming and monitoring capabilities typically found in more expensive PLC controls
- Telemetric capabilities
- Brine Systems are sold separately
- Culligan's Multiport Diaphragm Valves, designed for smooth operation, easy serviceability and to be free of water hammer
- Corrosion resistant tanks - Made of fiberglass reinforced polyester
- Vacuum Breakers included on each tank

Available Variations for Hi-Flo 3e Skid Systems:

- Multiple Tank Configurations: Duplex (2 tanks) or Triplex (3 tanks) systems can increase the holding capacity of your systems in terms of grain removal and reducing organic and chlorine particles
- All models are available with either Galvanized or PVC connecting (face piping) materials. The plumbing in and out of the tank through the control valve is always galvanized
- Culligan's patented Progressive Flow technology is available as an upgrade for all Parallel Flow models with purchase of additional kits and flow meters
- Alternating Flow is available for all Duplex Softener Skid Systems

(Note that flow and media measurements are for individual tanks: not all skid variations are shown.)

Type	Model	Duplex or Triplex System	Pipe Size in. (mm)	Resin Qty. ft ³ (L)	Flow Rates gpm (lpm)		Tank(s) Size in. (mm) ^{***}	Skid Footprint in. (mm)
					Continuous [*]	Peak ^{**}		
Hi-Flo 3e Softener	HCE 450-3	Duplex	3" (76.2)	15 (424.8)	160 (36.32)	210 (47.67)	30" x 72" (762 X 1829)	38" x 82" (965 X 2083)
		Triplex	3" (76.2)				30" x 72" (762 X 1829)	38" x 123" (965 X 3124)
	HCE 600-3	Duplex	3" (76.2)	20 (566.4)	185 (42)	250 (56.75)	36" x 72" (914 X 1829)	38" x 82" (965 X 2083)
		Triplex	3" (76.2)				36" x 72" (914 X 1829)	38" x 123" (965 X 3124)

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.



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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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