



Culligan®

Culligan® Heavy Duty Commercial Softener

assisted living facilities

cafeterias

casinos

corporate campuses

educational facilities

food service

grocery

hotel/hospitality

institutions

laundry

theme parks

vehicle wash



Hi-Flo® 2e Heavy Duty Commercial Softener

Culligan Hi-Flo® 2e with Culligan MVP Controller Standard Features

- 24 Volt *Culligan MVP* Controller—Field programmable with a back-lit LCD display and UL listed 120v/24v transformer.
- *Culligan Tripl-Hull™* Tanks—Durable carbon steel with the corrosion resistance of plastic. A 20 mil inner liner hermetically sealed within the steel tank.
- *Culligan Power Valve*—Constructed of durable, corrosion-resistant plastic.
- Single, Duplex, Triplex, or Quad Configurations—Hardness removal capabilities up to 135,000 grains per tank. Continuous flow rates up to 54gpm per tank.
- 1 1/2" Flo-Paks—allow system flows up to 54 gpm per tank.
- Regeneration initiation by choice of combination of time clock, meter or Aqua-Sensor® inputs.



The Culligan® Hi-Flo® 2e Electronic Water Softener

Applications and Benefits

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

Options

- Patented¹ Progressive Flow—The Culligan MVP control can monitor flow demands bringing additional softening tanks on-line or offline as flows increase or decrease.
- Patented² Aqua-Sensor® Control—Solid State control initiates regeneration only when needed based upon water hardness. Automatically adjust to changes in raw water hardness and water consumption.

In addition, the Aqua-Sensor® rinse out feature ensures left-over

salt from regeneration is completely removed before the system is returned to service, which saves water.

- 1 1/2" Softminder® Turbine Flow Meter*—Detects flow rates ranging from 1 to 60 gpm. Initiates regeneration based upon volume of hard water treated. Accurate measurement of the treated water is maintained, maximizing the capacity of the system between regeneration.

1-year warranty against defects in material and workmanship.** In addition, the control valve body (excluding internal parts), the salt storage container, the brine valve and all of its component parts, are warranted for a period of 5 years. Tripl-Hull™ tanks carry a limited 12-year warranty against internal corrosion.

*Suitable for use with 1 1/2" pipe size models only.

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

¹ Progressive Flow: Patent # US 5,060,167, #US 5,351,199

² Aqua-Sensor: Patent # US 5,699,272

Warranty

Culligan® Hi-Flo® 2e water softeners are backed by a limited

System Specifications

Pressure:	30–100 psig 210–690 kPa
Power:	24 Volts/60hz ¹
Consumption:	3/42 Watts Min/Max
Enclosure Rating:	NEMA 1
Temperature:	40–120°F 4 - 49°C
Turbidity:	5 NTU, max. ²
Chlorine:	1 mg/L, max. ²
Iron:	5 mg/L, max.

¹120 Volt/24 Volt Transformer Included.

²See media specification for details.

The contaminants or other substances removed or reduced by this water treatment device are not necessarily in your water.

Model	Resin Qty. (Ft ³)	Pipe Size	Flow Rate Gallons Per Minute		Tank Size***	
			Continuous*	Peak**	Softener	Brine****
PVE-45B	1.5	1.5"	26	35	12" x 38"	18" x 38"
PVE-60B	2	1.5"	35	48	16" x 37"	18" x 38"
PVE-90B	3	1.5"	33	45	16" x 48"	24" x 42"
PVE-120B	4	1.5"	31	42	16" x 60"	24" x 42"
PVE-135B ¹	5	1.5"	34	54	16" x 60"	24" x 42"

¹PVE-135 Models contain Culler-Hi-Velocity media. Influent iron is limited to 0.5 mg/L.

*Flow rate at a 15 psi pressure loss.

**Flow rate at a 25 psi pressure loss.

***Dimensions are diameter by tank height.

****Brine systems are optional. Sizes shown are those recommended for use with the listed softener system.

“Hey Culligan Man!”®

Culligan
Trust the Water Experts®

www.culligan.com

1-800-CULLIGAN

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MVP Controller



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