



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



Culligan Side Mount (CSM™) Heavy Duty Commercial Softener

Standard Features

- 24 Volt Culligan's MVP Controller – Field programmable with a back-lit LCD display and UL listed 120v/24v transformer.
- Single, Duplex, Triplex, or Quad Configurations – Hardness removal capacities up to 900,000 grains per tank. Continuous flow rates up to 201 gpm per tank.
- Regeneration initiation by choice or combination of time clock, meter or Aqua-Sensor inputs.
- Culligan's Brunermatic® Valve – Guided perimeter designed diaphragm valves are smooth operating and free of water hammer. All valve parts are easily accessible in the multiport design for ease of service.
- Corrosion resistant tanks – Made of low carbon steel with epoxy interior lining and finish coat painted exterior.

Trust The Water Experts®



Culligan's CSM™ Commercial Water Softener

Applications and Benefits

- 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/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

- Culligan's Brine System
- Corrosion resistant construction for long life.
- Adjustable salt dosage.

Skid Mounted—fully pre-piped and wired systems for single point field utility connection of inlet, outlet, drain and power supply.

Patented Progressive Flow – The Culligan's MVP Control can monitor flow demands bringing additional softening tanks on-line or offline as flows increase or decrease.

ASME Code Tanks

Brine Reclaim – reduces operating costs.

Patented Aqua-Sensor® Control – initiates regeneration only when needed based upon water hardness. Automatically adjusts to changes in raw water hardness and water consumption.

Flow Measuring Devices—are available for direct connection to the MVP controller for volume based regeneration initiation.

Gauge Packages—pressure gauges provided for mounting at the inlet and outlet connection.

Warranty

Culligan's CSM™ 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.

System Specifications

| | |
|--------------|-------------------------------|
| Pressure: | 30–100 psig 210–690 kPa |
| Power: | 24 Volts 50/60hz ¹ |
| Consumption: | 3/42 Watts Min/Max |
| Temperature: | 40–120°F 4 - 49°C |
| Turbidity: | 5 NTU, max. ² |
| Chlorine: | 1 mg/L, max. ² |
| Iron: | 5 mg/L, max. |

¹ 120 Volt/24 Volt CUL/UL listed Transformer Included.
² See media specification for details.

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

“Hey Culligan Man!”®



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1-800-CULLIGAN

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| Model | Resin Qty. (Ft³) | Pipe Size | Flow Rate Gallons Per Minute | | Tank Size*** | |
|-------|------------------|-----------|------------------------------|--------|--------------|-----------|
| | | | Continuous* | Peak** | Softener | Brine**** |
| 150-2 | 5 | 2" | 67 | 94 | 20" x 54" | 24" x 48" |
| 210-2 | 7 | 2" | 76 | 102 | 24" x 54" | 24" x 48" |
| 300-2 | 10 | 2" | 84 | 112 | 30" x 60" | 30" x 48" |
| 300-3 | 10 | 3" | 152 | 210 | 30" x 60" | 30" x 48" |
| 450-2 | 15 | 2" | 79 | 106 | 30" x 60" | 30" x 48" |
| 450-3 | 15 | 3" | 135 | 192 | 30" x 60" | 30" x 48" |
| 600-2 | 20 | 2" | 94 | 125 | 36" x 60" | 36" x 48" |
| 600-3 | 20 | 3" | 183 | 252 | 36" x 60" | 36" x 48" |
| 750-2 | 25 | 2" | 97 | 129 | 42" x 60" | 42" x 48" |
| 750-3 | 25 | 3" | 201 | 267 | 42" x 60" | 42" x 48" |
| 900-2 | 30 | 2" | 96 | 127 | 42" x 60" | 42" x 48" |
| 900-3 | 30 | 3" | 193 | 259 | 42" x 60" | 42" x 48" |

*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.

Flow rates shown are per tank.

Low flow channeling (flow rates less than 0.5 gallons per minute per cubic foot of resin) may cause hardness leakage into effluent.

CSM product formerly sold under the Bruner label.

MVP Controller



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