



*Culligan®
Heavy Duty
Commercial
Filter*

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 Filter

Standard Features

- Side mount valve means easy access for convenient service.
- 24 Volt Culligan's MVP™ Controller – Field programmable with a back-lit LCD display and UL listed 120v/24v transformer.
- Single or Multiple Tank Configurations – Flow rates up to 77 gpm(carbon) and 193 gpm(depth).
- Regeneration initiation by choice or combination of time clock, flow meter or differential pressure switch.
- Carbon and Depth Filters
- 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.



Culligan's CSM™ Commercial Filter

Applications and Benefits

- Food and Beverage—Superior taste and increased cost savings.
- Drinking Water—Reduces turbidity and chlorine; improves taste and clarity.
- Boilers—Turbidity reduction, minimize sludge blowdown.
- Light Industry Processes—Reduces particulate matter.
- Pretreatment—For softeners, RO's and DI systems.
- Vehicle Wash—Turbidity reduction.

Options

- Patented Progressive Flow—Culligan's MVP controller can monitor flow demands, bringing additional tanks on-line or off-line as flows increase or decrease.
- Differential Pressure Switch
- A.S.M.E. Code Tanks
- Sample cocks and pressure gauges

- Separate source regeneration kits
- Skid mounting
- Flow meter

Warranty

Culligan's CSM water filters are backed by a limited 1-year warranty against defects in material, workmanship and corrosion. In addition, tanks carry a limited 5-year warranty.*

System Specifications

Pressure:	30–100 psig 207–690 kPa
Power:	120 VAC/24 VAC 50/60 Hz
Temperature:	40–120°F 4–49°C

Specifications Table

	Model	Water Quality						Backwash Flow Rate (GPM)	Valve Size (inches)
		Superior ¹		High ²		Utility ³			
		Flow Rate (GPM)	Pressure Loss (PSI)	Flow Rate (GPM)	Pressure Loss (PSI)	Flow Rate (GPM)	Pressure Loss (PSI)		
Carbon Filters	CSM-201R	9	1	14	2	18	3	20	1.25
	CSM-242R	13	2	19	3	26	5	30	2
	CSM-302R	20	3	30	4	40	6	45	2
	CSM-362R	29	2	42	4	57	7	70	2
	CSM-422R	39	3	58	6	77	9	95	2
Depth Filters	CSM-201D	22	6	33	12	44	19	30	1.25
	CSM-202D	22	3	33	5	44	8	30	2
	CSM-242D	32	4	48	8	63	13	45	2
	CSM-302D	50	6	74	13	99	20	70	2
	CSM-362D	71	9	107	17	142	27	105	2
	CSM-422D	97	11	145	22	193	33	150	2
	CSM-423D	97	6	145	11	193	16	150	3

¹Superior – Best quality water with lowest pressure loss. Recommended for influent suspended solid loads up to and greater than 300 ppm.

²High – Very good quality water with increased pressure loss. Recommended for influent suspended solid loads less than 300 ppm.

³Utility – Satisfactory quality water with greatest pressure loss. Shorter on line time between backwashing. Recommended for influent suspended solid loads less than 150 ppm.

All pressure drop figures are based on new filter media and a water temperature of 60°F.

Depth filters are capable of 10 micron effluent water quality, whereas all other filter types are capable of 40 micron effluent water quality.

“Hey Culligan Man!”

Culligan
Trust the Water Experts.

www.culligan.com™

1-800-CULLIGAN

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CSM product formerly sold under the Bruner label and/or CF20 Plus model designation.

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

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

MVP Controller



The product is covered by the following patents:

Controller Board Assembly: US 5351199, 5751598; Canada 2090757; DE 69204445.0; KR 215487; JP 3226284

Filter: US 5073255, 5273070, 6457698, 4534867; Israel 095754