

Automatic Water Softeners

FLECK® Control Valve

The Water Softener Systems are designed to automatically remove calcium and magnesium hardness in an incoming water supply. Uses high polystyrene cation resin and requires dry salt for regeneration of exhausted resins.

Water softeners will automatically regenerate based on capacity working through the principal of ion exchange. Consists of a fiberglass mineral tank, PVC internal distributor, automatic control valve, gravel, bags of softening resin, and a brine tank with float assembly.

System Features

- Uses Fleck 2750 or 2850 control valves for automatic backwashing / regeneration
- Saves cost of cartridge replacements
- Fiberglass mineral tank, blue
- Uses high quality resins to soften water
- Various sizes available
- Commercial & Industrial Water Systems
- Food & Beverage Industry

System Specifications

- Designed with Top Mount 1.5" Inlet/Outlet Fleck control valves.
- All control valves are equipped with standard 7-day timers and dry contacts for interlock capability.
- Add approximately 18" to height of tank to include control valve dimensions.
- Drain pipe size is 3/4 or 1" NPT.
- Water flows from left-to-right when viewing timer.



FLECK 2850



FLECK 2750

Control Valve Features

- Fully adjustable, 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service.
- Time-tested hydraulically balanced piston, seal and spacer design to pilot service flow and regeneration.
- Solid, lead-free brass valve body for superior strength and durability.
- Backwash capacity handles tanks up to 30" diameter.
- 1-1/2" top mount control valve ideal for commercial/ industrial applications.
- Consistent brining regardless of salt levels with timed brine refills.
- 7-day timer.
- Available in either 110V or 24V/60Hz.

Technical Data

Water Softeners - FLECK® 110V/60 Hz Specifications

Part Number	Control Valve	Inlet/Outlet Size (inches)	Drain Size (inches)	Grains Capacity Per Regen	Service Flow (GPM)	BKW Rate (GPM)	Filter Material (ft³)	Mineral Tank (inches)	Brine Tank (inches)	Salt Cap. (lbs)	Ship Weight (lbs)
3026620	2750	1 NPT	3/4 NPT	30,000	9	2	1.0	9 x 48	18 x 40	400	110
3026621	2750	1 NPT	3/4 NPT	45,000	10	2.5	1.5	10 x 54	18 x 40	400	130
3026622	2850	1-1/2 NPT	1 NPT	60,000	15	4	2.0	12 x 52	24 x 40	500	210
3026623	2850	1-1/2 NPT	1 NPT	90,000	21	5	3.0	14 x 65	24 x 40	500	240
3026624	2850	1-1/2 NPT	1 NPT	120,000	28	7	4.0	16 x 65	24 x 40	500	320
3026625	2850	1-1/2 NPT	1 NPT	150,000	43	10	5.0	21 x 62	24 x 50	600	380
3026626	2850	1-1/2 NPT	1 NPT	180,000	52	12	6.0	21 x 62	24 x 50	600	441
3026627	2850	1-1/2 NPT	1 NPT	210,000	40	12	7.0	24 x 65	24 x 50	600	585
3026628	2850	1-1/2 NPT	1 NPT	300,000	44	15	10.0	24 x 72	24 x 50	600	710
3026629	2850	1-1/2 NPT	1 NPT	450,000	44	25	15.0	30 x 72	30 x 48	900	1160

Water Softeners - FLECK® 24V/ 60Hz Specifications

Part Number	Control Valve	Inlet/Outlet Size (inches)	Drain Size (inches)	Grains Capacity Per Regen	Service Flow (GPM)	BKW Rate (GPM)	Filter Material (ft³)	Mineral Tank (inches)	Brine Tank (inches)	Salt Cap. (lbs)	Ship Weight (lbs)
3026610	2750	1 NPT	3/4 NPT	30,000	9	2	1.0	9 x 48	18 x 40	400	110
3026611	2750	1 NPT	3/4 NPT	45,000	10	2.5	1.5	10 x 54	18 x 40	400	130
3026612	2850	1-1/2 NPT	1 NPT	60,000	15	4	2.0	12 x 52	24 x 40	500	210
3026613	2850	1-1/2 NPT	1 NPT	90,000	21	5	3.0	14 x 65	24 x 40	500	240
3026614	2850	1-1/2 NPT	1 NPT	120,000	28	7	4.0	16 x 65	24 x 40	500	320
3026615	2850	1-1/2 NPT	1 NPT	150,000	43	10	5.0	21 x 62	24 x 50	600	380
3026616	2850	1-1/2 NPT	1 NPT	180,000	52	12	6.0	21 x 62	24 x 50	600	441
3026617	2850	1-1/2 NPT	1 NPT	210,000	40	12	7.0	24 x 65	24 x 50	600	585
3026618	2850	1-1/2 NPT	1 NPT	300,000	44	15	10.0	24 x 72	24 x 50	600	710
3026619	2850	1-1/2 NPT	1 NPT	450,000	44	25	15.0	30 x 72	30 x 48	900	1160

Note: All weights and dimensions are approximate.

Installation Considerations

- For proper serviceability, it is recommended that there be 18" of space around the entire system. A minimum of 12" is required. The tanks should be installed on a firm, level surface.
- The inlet piping should be sized large enough to provide the required water flow for both service flow and backwashing of the tanks with minimum amount of pressure loss.
- A drain with suitable capability for the backwash flow rate of the tanks is required.
- Isolation valves, pressure gauges and sample ports should be installed on each assembly.

For More Information

Visit www.mcpur.com for more information or call 1-800-633-3080.

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