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.

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.
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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