



ProFloSE Downflow brining service manual water softener (fleck 5000SE water softener)

General Residential Installation Check List

WATER PRESSURE: A minimum of 20 psi inlet water pressure is required for regeneration valve to operate effectively

ELECTRICAL FACILITIES: An uninterrupted alternating current (A/C) supply is required. Please make sure your voltage supply is compatible with your unit before installation.

EXISTING PLUMBING: Condition of existing plumbing should be free from lime and iron buildup. Piping that is built up heavily with lime and/or iron should be replaced. If piping is clogged with iron, a separate iron filter unit should be installed ahead of the water softener.

LOCATION OF SOFTENER AND DRAIN: The softener should be located close to a clean working drain and connected according to local plumbing codes.

BY-PASS VALVES: Always provide for the installation of a by-pass valve if unit is not equipped with one.

CAUTION: Water pressure is not to exceed 120 p.s.i., water temperature is not to exceed 11000017, and the unit cannot be subjected to freezing conditions.

Valve Installation and Start-up Procedures

INSTALLATION INSTRUCTIONS

1 Place the softener tank where you want to install the unit making sure the tanks are level and on a firm base

All plumbing should be done in accordance with local plumbing codes. The pipe size for the drain line should be a minimum of 1/2". Backwash flow rates in excess of 7 gpm or length in excess of 20' require 3/4" drain line.

The 1" distributor tube (1.050 O.D.) should be cut flush with top of tank.

Lubricate the distributor o-ring seal and tank o-ring seal. Place the main control valve on tank. Note: Only use silicone lubricant.

5 Solder joints near the drain must be done prior to connecting the Drain Line Flow Control fitting (DLFC)
Leave at least 6"

between the DLFC and solder joints when soldering pipes that are connected on the DLFC Failure to do this could cause interior damage to the DLFC.

Teflon tape is the only sealant to be used on the drain fitting.

Make sure that the floor is clean beneath the salt storage tank and that it is level.

8 On units with a by-pass place in by-pass position Turn on the main water supply. Open a cold soft water tap nearby and let run a few minutes or until the system is free from foreign material (usually solder) that may have resulted from the installation. Once clean, close the water tap.

Place the by-pass in service position and let water flow into the mineral tank. When water flow stops, slowly open a cold water tap nearby and let run until the air is purged from the unit.

Plug unit into an electrical outlet. Note: All electrical connections must be connected according to local codes.

Add water to the top of the air check. Manually step the valve to the Brine Draw Position and allow the valve to draw water from the brine tank until it stops. Note: The air check will check at approximately the midpoint of the screened intake area.

Next, manually step the valve to the Brine Refill Position and allow the valve to return to Service automatically.

With the valve in Service, check that there is about 1.0" of water above the grid in the brine tank, if used.

Fill the brine tank with salt.

Set-Up is now finished, the control can now be left to run automatically.

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