



WARNING: Plumbing connections must comply with applicable sanitary, safety and plumbing codes.

Water Requirements

Proper water quality can improve operation of the PowerMax™ booster heater, reduce liming in the dishwasher and extend equipment life. Local water conditions vary from one location to another. Ask your municipal water supplier for details about your local water supply prior to installation.

Presence of sediment, silica, iron, excess chlorides or other dissolved solids may lead to a recommendation for alternate form(s) of water treatment. The water may be tested with a TDS meter or test strip. Other factors affecting the dishwasher and the booster heater are iron content, amount of chlorination and dissolved gases.

Water Treatment

A local water treatment specialist should be consulted before installation of the dishwasher and the booster heater.

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|---------------------------------|----------------------|
| Supply Pressure | 40 - 70 psig |
| Hardness* | Maximum 4-6 grains |
| Silica | less than 13 ppm |
| Total Chlorine | less than 4.0 ppm |
| PH range | 7 - 8 |
| Undissolved Solids | less than 10 microns |
| *17.1 ppm = 1 grain of hardness | |

If the water supply fails to meet these standards, it may be necessary to install water treatment on the booster/dishwasher water supply.

The use of strainers or filters will not remove minerals from the water.

In normal use, the PowerMax™ should rarely need to be de-limed or de-scaled. If you are going to de-lime or de-scale the unit, use only a buffered de-liming agent recommended for a potable water pressure steam boiler, stainless steel steamer or steam generator or ice machine. If your facility is on city or treated well water with chlorine and/or chloramine residuals, you should have a carbon block filter installed and maintained. Carbon block filters remove the chlorine and chloramine disinfectants from the water. Chlorine and chloramines may corrode/erode the booster heater and dishwasher and can result in a vessel failure which is not covered under warranty.

Water feed lines to the booster must be flushed before final connection. Flux residue and particles in the water may build up in valves or clog/corrode tubing and components that control the unit. If the water supply is not free of sediment or is cloudy after several minutes of flushing, a sediment filter must be installed before use.

BE CERTAIN that the PowerMax™ booster heater is isolated from the water supply when ANY maintenance or back flushing is being done. Water softener back flushing cycle MUST be timed for non-operational hours. Damage caused by back-flushing water softener through operating booster will not be covered under warranty.