

WARM INLET WATER MODIFICATION

MODELS: ALL MODELS



WARNING

ELECTRICITY IS EXTREMELY DANGEROUS
SO TAKE EXTRA PRECAUTIONS WHEN
PERFORMING ANY WORK TO THE HEATER

In warm climates the 240 volt Powerstream heater will occasionally generate high water temperature that will cause the heater to shut down, overheat, or fluctuate in temperature, since too much cold water is added at the outlet. This shuts the heater off due to lack of flow.

Some recommended cures:

1. Check and increase flow rates.
2. Switch heater to "LO" operating cycle.
3. Activator venturi can be drilled out from its 7/64" diameter to 1/8" diameter in order to increase flow through the heater. The activation of the heater will become slightly higher. See instructions below.
 - a. Shut water and power off.
 - b. Unscrew the hexed shaped drain plug located to the right of the cold inlet in order to remove the brass venturi jet. This venturi jet is located at the top of the spring, while it is out be sure to clean the filter screen. It may be necessary to remove the venturi with a nail or probe if it is not positioned at the top of the spring, or tap lightly on heater.
 - c. Clean all parts.
 - d. Drill out the brass venturi jet as straight as possible to 1/8".
 - e. Reinstall brass venturi jet on top of the spring. Place the spring and the filter into the hexed plug and thread on tightly.
 - f. Adjust temperatures with outlet flow rates, so that useable hot water is generated with little or no cold water being added. If heater is used for multiple fixtures, then the same outlet flow rate should be maintained at all outlets.
To do this open the hot outlet all the way, then throttle down the existing shutoff valves before your fixture to match the flow requirements.