

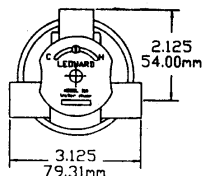
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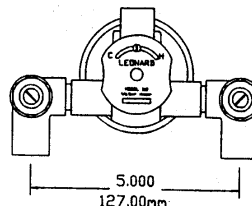
LEONARD
WATER TEMPERATURE CONTROLS

**MODEL 110
THERMOSTATIC
TEMPERING VALVE**

MODEL 110-A, 110-B



MODEL 110-AF, 110-BF, C110-AF-BR



INSTALLATION INSTRUCTIONS

WARNING! THIS IS A TEMPERING VALVE ONLY. . . IT IS NOT DESIGNED FOR DIRECT SHOWERING OR BATHING APPLICATIONS. IT IS NOT AN "ANTI-SCALD" DEVICE! IT IS DESIGNED FOR LAVATORY LINE CONTROL (HAND WASHING) RESIDENTIAL AND SOLAR HOT WATER SYSTEMS, INDUSTRIAL PROCESSES, SPECIALIZED HEATING SYSTEMS.

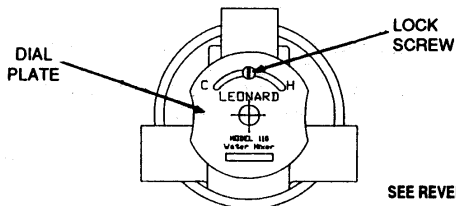
1. Valve should be installed at a location where it can be easily adjusted or cleaned.
2. The inlets are clearly marked. Connect hot water into the inlet marked "HOT", and the cold water into the inlet marked "COLD". These markings are NOT to be confused with the C - H markings on the dial plate.
3. Check valves are recommended on both supply lines as close to the valve as possible.
4. Use solder or pipe cement sparingly. Supply pipes should be flushed before the valve is connected. Flush outlet pipe and valve as soon as it is connected.

IMPORTANT! After installation, the adjustable temperature limit stop **MUST BE SET BY THE INSTALLER!** (See instructions below.)

REMEMBER! This is a control device which must be cleaned and maintained on a regular basis, depending on water conditions and usage.

ADJUSTMENT

1. **WARNING!** THIS MIXING VALVE IS EQUIPPED WITH AN ADJUSTABLE HIGH TEMPERATURE LIMIT STOP FACTORY SET AT APPROXIMATELY 110°F (43°C) WITH AN INCOMING HOT WATER SUPPLY OF 135°F (57°C). IF INCOMING HOT WATER ON THE JOB IS HIGHER (OR LOWER) THAN 135°F, THE VALVE WHEN TURNED TO FULL HOT MAY DELIVER WATER IN EXCESS OF (OR LOWER THAN) 110°F, AND THE HIGH TEMPERATURE LIMIT STOP MUST BE RESET BY THE INSTALLER. (SEE BELOW)
2. To reset high temperature limit if the valve delivers water too hot when the dial plate is in the maximum "HOT" position, the dial may have been changed from its original position on the stem. This would also alter the high temperature limit. TO RESET HIGH TEMPERATURE LIMIT: Remove the dial plate and change the position dial plate on the stem, replacing the dial plate TO THE RIGHT for a higher temperature, or TO THE LEFT for a lower temperature.
3. If the valve does not deliver the temperature indicated by the dial plate, or if it changes erratically, a deposit of sediment may be causing the parts to stick. Loosen the lock screw on the dial plate and move the dial plate from C to H several times in succession until a clicking sound is audible.



SEE REVERSE SIDE FOR PARTS BREAKDOWN!