



HANG NEAR HOLBY TEMPERING VALVE

INSTRUCTIONS for Installing and Adjusting HOLBY TEMPERING VALVE

**SINCE
1930**

The **HOLBY TEMPERING VALVE** can be installed and operate satisfactorily in any position. Maximum Operating Pressure: 125 PSIG

Field installed check valves are required to prevent cross-flow. The cold water line should have a MINIMUM 27" THERMAL LOOP at the connection to the tankless water heater, storage tank or source of hot water to prevent the backing up of hot water during periods when no tempered water is being used, (this measurement should be taken end of pipe to end of pipe NOT center to center). The circulating return line should be installed in such a manner that it can return to the cold water inlet of the **HOLBY TEMPERING VALVE** and also back to the source of the hot water supply. A recirculating pump should also be installed on this return line and the pump should run continuously.

To adjust the **HOLBY TEMPERING VALVE**, the adjusting screw should be turned all the way into the bonnet of the **HOLBY TEMPERING VALVE**. Check the circulating return line, if the temperature of the circulating return water is hotter than the desired outlet temperature, the return line should be shut off until it has sufficiently cooled. If possible, turn on the cold water to the **HOLBY TEMPERING VALVE** first, then the hot water. Open a hot water faucet being supplied from the **HOLBY TEMPERING VALVE** and allow the hot water to run while adjusting the **HOLBY TEMPERING VALVE**. Note the temperature of the water leaving the **HOLBY TEMPERING VALVE** on the thermometer installed a short distance away from the valve's outlet, turn the adjusting screw left or counter-clockwise, and wait a few minutes to note results. Repeat until a satisfactory temperature is obtained.

When adjusting the **HOLBY TEMPERING VALVE**, turn the adjusting screw:

- 1/2", 3/4" and 1" valves – 1/4 turn at a time
- 1-1/4" valves – 1/2 turn at a time
- 1-1/2" and 2" valves – 1 to 2 turns at a time
- 2-1/2", 3" and 4" valves – 3 turns at a time

An adequate supply of hot water must be supplied to the hot inlet of the **HOLBY TEMPERING VALVE** and the temperature of this hot water is to be at least 20 degrees higher than the desired outlet water temperature otherwise proper regulation may not take place. Do not turn off the cold water feed to the **HOLBY TEMPERING VALVE** at night or at any other time in order to increase the temperature at the outlet of the valve. If the outlet water temperature is not hot enough the cold water port in the **HOLBY TEMPERING VALVE** automatically closes. If the cold water feed valve is closed partly or entirely, proper regulation by the **HOLBY TEMPERING VALVE** is impossible and its more sensitive parts are unduly strained.



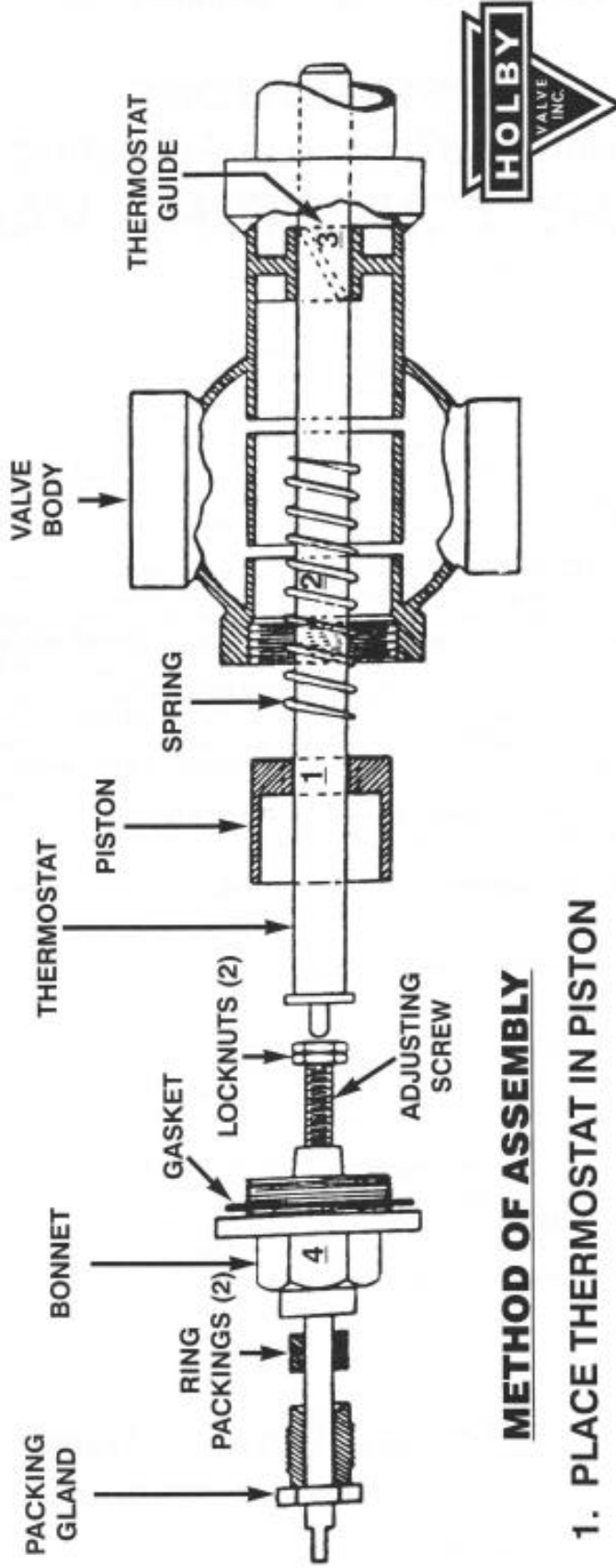
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INSTRUCTIONS FOR ASSEMBLING
THE HOLBY TEMPERING VALVE



METHOD OF ASSEMBLY

1. PLACE THERMOSTAT IN PISTON
2. SLIDE SPRING ONTO THERMOSTAT
3. INSERT ASSEMBLY INTO THERMOSTAT GUIDE
4. SCREW BONNET ONTO VALVE BODY

IMPORTANT: PISTON MUST SLIDE SMOOTHLY
IN BORE OF VALVE BODY. TO CLEAN PISTON
USE FINE EMERY CLOTH.

FORM H18A ASSEM
PARTS CUT-A-WAY
9/12

FOR INSTALLING and ADJUSTING
INSTRUCTIONS, SEE OTHER SIDE

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