



INSTRUCTIONS

FOR INSTALLING AND ADJUSTING THE HOLBY TEMPERING VALVE

The HOLBY TEMPERING VALVE can be installed and will operate satisfactorily in any position.

To install the HOLBY TEMPERING VALVE, a MINIMUM 27" THERMAL LOOP should be installed on the cold water line before it enters the tankless water heater, storage tank or any other vessel or source of hot water, to prevent the backing up of hot water during periods when no tempered water is being used, (this measurement must 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 back to both the cold water inlet of the HOLBY TEMPERING VALVE, as well as back to the hot water supply source. A circulating pump should be installed on this return line, and the pump must 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 line is not less than (5 F°), five Fahrenheit degrees of the desired outlet temperature from the HOLBY TEMPERING VALVE, THE RETURN LINE SHOULD BE SHUT OFF UNTIL IT HAS SUFFICIENTLY COOLED. Open a hot water faucet that is being supplied by the HOLBY TEMPERING VALVE, and allow the water to run while adjusting the HOLBY TEMPERING VALVE. If possible, turn on the cold water to the HOLBY TEMPERING VALVE first, then the hot water. Note the temperature of the water on the thermometer. 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" Valve	} 1/4 Turn at a time	1-1/2" Valve	} 1 to 2 Turns at a time
3/4" Valve		2" Valve	
1" Valve			
1-1/4" Valve	} 1/2 Turn at a time	2- 1/2" Valve	} 3 Turns at a time
		3" Valve	
		4" Valve	

An adequate supply of hot water must be supplied to the hot inlet of the HOLBY TEMPERING VALVE and the temperature of this water should be at least 20 degrees higher than what the HOLBY TEMPERING VALVE is to be set at, otherwise proper regulation may not take place. Do not turn off the valve on 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 water 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 of the HOLBY TEMPERING VALVE is impossible, and its more sensitive parts are unduly strained.