

**TYPICAL THERM-O-MIX/SAFETY SHOWER -PIPING INSTALLATION SCHEMATIC**

**NOTE 1 - DRAIN LINE 1" DIA MINIMUM**

**CAUTION: This line must be free-flowing in order for the unit to operate correctly. NO STEAM TRAP SHOULD BE USED ON THIS LINE! ADDITION OF STEAM TRAP OR RESTRICTION WILL CAUSE SERIOUS SCALDING HAZARD!** During operation of the Therm-O-Mix Station, this line will discharge condensate and drain water from the system and some flash steam vapors. It must be piped so that there is no back pressure restriction. Leaving a 2" air gap immediately following the drain line is highly recommended to prevent back pressure. Do not tie other drain lines into drain line.

This line should be piped with 1" Schedule 40 (minimum) pipe to convenient drain, catch basin or open drain. If operated in freezing temperatures the drain line must be less than 6" in length and steeply sloped to prevent blockage due to freezing condensate. If the installation layout requires a longer or shallow sloped drain, the piping must be heat traced and insulated.

**NOTE 2 - WATER HAMMER ARRESTER**

Contact Water Hammer Arrestor manufacturer for proper sizing.

**NOTE 3 - STEAM PRESSURE RELIEF VALVE**

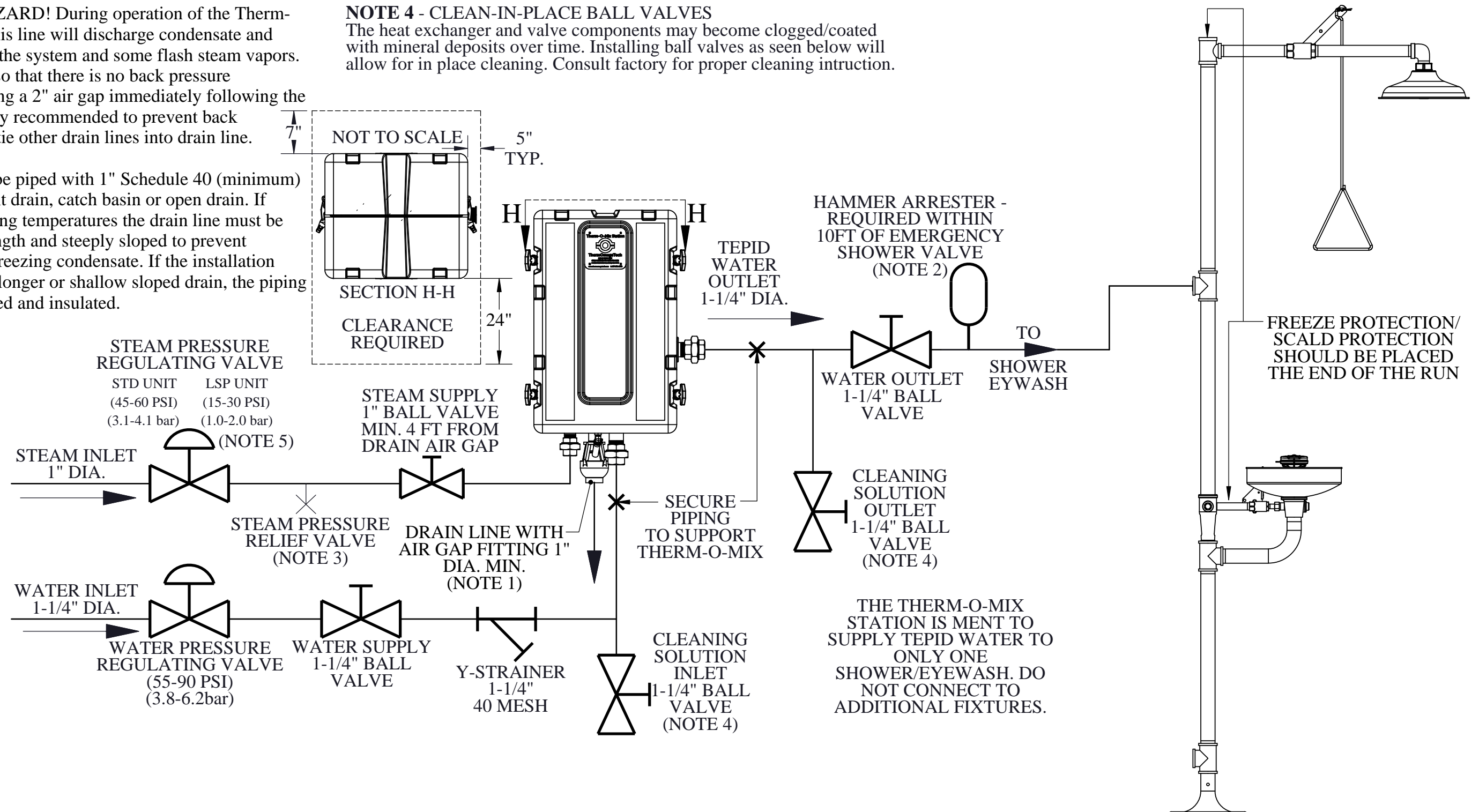
If the supply pressure is greater than 75 psi (5.2 bar), then a pressure relief valve must be used after steam regulator.

**NOTE 4 - CLEAN-IN-PLACE BALL VALVES**

The heat exchanger and valve components may become clogged/coated with mineral deposits over time. Installing ball valves as seen below will allow for in place cleaning. Consult factory for proper cleaning instruction.

**NOTE 5 - STEAM PRESSURE**

The Therm-O-Mix is available in two steam pressures: Standard - 45-60 PSI; Low Steam Pressure, LSP - 15-30 PSI



TOLERANCES UNLESS OTHERWISE SPECIFIED <b>X.XX ±.01</b> <b>X.XXX ±.005</b> UNITS IN INCHES ANGLE TOLERANCE: <b>XXX ° ±1/2 °</b>	353 Ivyland Road, Warminster, PA 18974-2205 USA ThermOmegaTech.com • 215-674-9992 • 1-877-379-8258	ISO 9001 CERTIFIED	SHEET 2 OF 2	DWN BY EWF	CHK BY **	SCALE 1:12	REV **	DATE 2/27/2018
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