

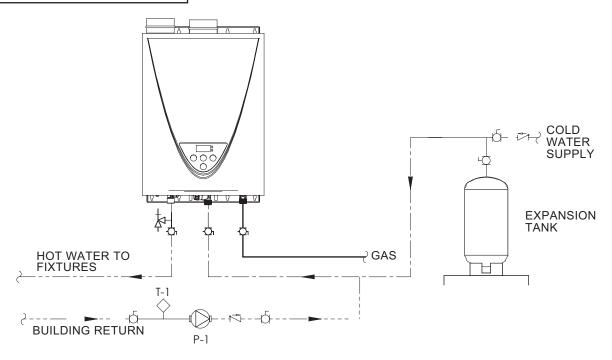
SCT-199 - ONE WATER HEATER, DIRECT PLUMBING WITH RECIRCULATION

<u>WARNING</u>: THIS DRAWING SHOWS SUGGESTED PIPING CONFIGURATION AND OTHER DEVICES; CHECK WITH LOCAL CODES AND ORDINANCES FOR ADDITIONAL REQUIREMENTS.

DRAWING SHOWS INDOOR UNITS. OUTDOOR UNITS ARE PIPED IN THE SAME MANNER.

LEGEND

#	TEMPERATURE & PRESSURE RELIEF VALVE	FULL PORT BALL VALVE	 COLD
<u></u>	PRESSURE RELIEF VALVE	TEMPERATURE GAGE	 HOT
	CIRCULATING PUMP	CHECK VALVE	 BUILDING RETURN
\Diamond	TEMPERATURE CONTROL PROBE	WATER FLOW SWITCH	 GAS
ď	DRAIN		



NOTES:

- 1. Building recirculation pump,P-1, to be sized, installed, and controlled by installer. The recirculation pump should provide no less than 2 gpm per activated heater and no more than 4 gpm per activated heater. Refer to the heater's specification sheet for pressure drop information.
- 2. Return pump, P-1, should be controlled by an aquastat, T-1, having an adjustable differential. Minimum differential should be 15 F.
- 3. Installation of a device to minimize scale deposits, such as the Product Preservers®, water softener, etc. should be considered. Refer to the heater's installation manual for additional information and/or consult with a local water quality expert.
- 4. Gas supply line shall be sized per the heater's installation manual and the current edition of ANSI Z223.1/NFPA 54.
- 5. Automatic air vent should be installed at the highest point in the system for all installations using a circulation pump.