

## INSTALLER'S INSTALLATION INSTRUCTIONS

### Water Piping Notes

- 1) A manual water control valve must be placed upon the water inlet connection to the Rinnai Water Heater before it is connected to the water line. Unions may be used on both the hot/cold water supply lines, for the future servicing or disconnection of the unit.
- 2) All soldering materials and piping must be compatible with potable water.
- 3) Purge the water line to remove from it all debris and air. Debris will damage the Rinnai Water Heaters.
- 4) There is a wire mesh strainer on the Rinnai Water Heater's inlet to discourage the introduction of debris to the unit. It will need to be cleaned periodically. **DO NOT** operate unit without filter in place. Clean this filter before leaving the job site.

**⚠ WARNING** DO NOT reverse the inlet and outlet (cold and hot water) connections on the unit. This would cause the Rinnai to operate dangerously or not at all.

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### Pressure Relief Valve

- 1) ANSI code calls for the addition of an approved pressure relief valve to all water heating systems.
- 2) The pressure relief valve must meet the following criteria: The relief valve must comply with the standard for Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply Systems ANSI Z21. 22 and/or the standard CAN1-4.4 Temperature, Pressure, Temperature and Pressure Relief Valves and Vacuum Relief Valves. This relief valve must be rated up to 150 PSI of pressure.
- 3) The relief valve should be added to the hot water outlet line per manufacturer's instructions. DO NOT place any other type valve or shut off device between the relief valve and the hot water heater.
- 4) The discharge from the pressure relief valve should be piped to the ground or into a drain system to prevent exposure or possible burn hazards to humans or other plant or animal life. Water discharged from the relief valve could cause severe burns instantly, scalds and/or death.
- 5) Do not plug the relief valve and do not install any reducing fittings or other restrictions in the relief line. The relief line should allow for complete drainage of the valve and the line.
- 6) If a relief valve discharges periodically, this may be due to thermal expansion in a closed water supply system. Contact the water supplier or local plumbing inspector on how to correct this situation. Do not plug the relief valve.
- 7) Pressure relief valve must be manually operated once a year to check for correct operation.  
Caution: See Item 4 before manually operating relief valve.
- 8) Should overheating occur or the gas supply fail to shut off, turn off the manual gas valve on the Rinnai.