




Gas Supply Pressures and Testing

Commercial and residential gas water heaters and boilers are designed and certified to operate within a specified inlet gas supply pressure range. It is important to ensure the gas supply remains within the specified pressure range during operation and system leakage testing. To identify the maximum and minimum inlet gas pressures, refer to the labeling on the appliance and gas control/valve. Exposing the appliance and gas control/valve to gas pressures that exceed specified values can result in improper operation and potential damage to the appliance and its components. Refer to the Use and Care Manual for proper installation, operation and maintenance.

Example of Appliance Rating Plate

		UPC-A BAR CODE HERE	
SERIAL NO. XXXXX12345	MFG DATE: MM/DD/YYYY	Manufacturer's Rating Label	
MODEL NO.	Cap. US Gals.		
Input Natural BTUH	TYPE GAS		
Gas Press. IN. W.C. Manifold- 4.0 Max. Inlet - 10.5 Min. Inlet - 5.0		AHR1 Symbol Located Here	
ANSI Z21.10.1 • CSA 4.1(XXXX)	CATEGORY 1 - NATURAL DRAFT	ASSEMBLED IN MEXICO	
MINIMUM CLEARANCES FROM COMBUSTIBLE OR NONCOMBUSTIBLE CONSTRUCTION: <ul style="list-style-type: none"> * Sides and * rear in a closet- * Sides and rear in an alcove. * front of control to closet door * from top pan to ceiling May be installed in an alcove or closet and on combustible flooring.		CERTIFIED FOR INSTALLATION FT. ALTITUDE MAX WORKING PRESSURE 150 PSI	
Rheem Sales Company, Inc. Water Heating Division Montgomery, Alabama 36117 USA		SERIAL NUMBER BAR CODE HERE	

Example of Gas Control Label



Gas pressure testing should follow the requirements in the national, state and local codes, and the appliance's Use and Care Manual.

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

SERVICE ACTION REQUIRED IN THE EVENT OF OVER PRESSURIZATION



Technical Service Department

Technical Service Bulletin

1-800-432-8373



In the event the appliance has been subjected to inlet gas supply pressure(s) above the specified value(s), the gas control/valve **MUST** be replaced and the entire appliance thoroughly inspected including the burner assembly and gas connections by a qualified service technician. In some cases, as determined by the qualified service technician, the appliance may require full unit replacement. Suspicion that an installation site has been exposed to excessive inlet gas pressure would require following the directions noted above.

Prior to installing the new gas control/valve or new appliance and placing it back into service, the source of the excessive pressure must be identified and corrected by a qualified service technician. Verify the pressure in the system is less than ½ psi (3.5 kPa).

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury, or death. Refer to the Use and Care manual. A qualified installer, service agency or the gas supplier must perform installation and service.

Limited Warranty coverages are specific to manufacturing defects only. Adverse installation site conditions are excluded from coverages, such as over pressurization of appliances.