

GAS CONVERSION KIT INSTALLATION INSTRUCTIONS

PREEVA® MODELS PDH, SDH, SHH, RHH, AND RDH WITH SINGLE-STAGE GAS CONTROL OPTION AG1 OR WITH TWO-STAGE GAS CONTROL OPTION AG2, AG3, AG15, OR AG16

GENERAL INFORMATION

All gas conversion must be done by a qualified service person in compliance with the National Fuel Gas Code NFPA 54/ANSI Z223.1 (latest edition), these instructions, and other applicable codes and requirements.

In Canada, gas conversion shall be carried out in accordance with the requirements of the Provincial Authorities having jurisdiction and in accordance with the requirements of the CAN/CSA-B149.1 (latest edition), Natural and Propane Gas Installation Code.

IMPORTANT SAFETY INFORMATION

Please read all instructions before servicing this equipment. Pay attention to all dangers, warnings, cautions, and notes highlighted in this manual. Safety markings should not be ignored and are used frequently throughout to designate a degree or level of seriousness.

DANGER: A danger statement describes a potentially hazardous situation that if not avoided, will result in severe personal injury or death and/or property damage.

WARNING: A warning statement describes a potentially hazardous situation that if not avoided, can result in severe personal injury and/or property damage.

CAUTION: A caution statement describes a potentially hazardous situation that if not avoided, can result in minor or moderate personal injury and/or property damage.

NOTE: A note provides important information that should not be ignored.

WARNING

FIRE OR EXPLOSION HAZARD

- Failure to follow safety warnings exactly could result in serious injury or property damage.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Leave the building immediately.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas suppliers instructions.
- If you cannot reach your gas supplier, call the fire department.

DO NOT DESTROY. PLEASE READ CAREFULLY. KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

IMPORTANT SAFETY INFORMATION—CONTINUED

⚠ WARNING ⚠

- Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operation and maintenance instructions thoroughly before installing or servicing this equipment.
 - The conversion kit is to be selected and installed by a qualified service person in accordance with these instructions and in compliance with all codes and requirements of authorities having jurisdiction. Failure to follow instructions could result in death, serious injury and/or property damage. The qualified agency performing this work assumes responsibility for this conversion.
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⚠ DANGER ⚠

- The gas burner in this gas-fired equipment is designed to provide safe, complete combustion. However, if the installation does not permit the burner to receive the proper supply of combustion air, complete combustion may not occur. The result is incomplete combustion which produces carbon monoxide, a poisonous gas that can cause death.
 - ***Safe operation of indirect-fired gas burning equipment requires a properly operating vent system which vents all flue products to the outside atmosphere. FAILURE TO PROVIDE PROPER VENTING WILL RESULT IN A HEALTH HAZARD WHICH COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH.***
 - On separated combustion heaters, model SDH or SHH, install either the horizontal or vertical combustion air/vent system illustrated in the heater venting manual, using the concentric adapter supplied. For all heater installations, always comply with the combustion air requirements in the installation codes and instructions. Model PDH units installed in a confined space must be supplied with air for combustion as required by Code and in the heater installation manual. Combustion air at the burner should be regulated only by manufacturer-provided equipment. **NEVER RESTRICT OR OTHERWISE ALTER THE SUPPLY OF COMBUSTION AIR TO ANY HEATER. MAINTAIN THE VENT OR VENT/COMBUSTION AIR SYSTEM IN STRUCTURALLY SOUND AND PROPER OPERATING CONDITION.**
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APPLICATION

The gas conversion kits in these instructions are for models PDH, SDH, SHH, RHH, and RDH PREEVA® Series packaged heaters equipped with gas control Option AG1, AG2, AG3, AG15, or AG16. Conversion kits include one or two spring kits for a single-stage gas valve and one spring kit for a two-stage gas valve. All conversion kits include burner orifices for multiple sizes. Verify kit application before beginning installation.

NOTE: These kits DO NOT APPLY to units with Control Option AG8, AG9, AG9H, AG40, AG58, AG60, AG61, AG62, DG1, DG2, DG5, DG6, D12B, D12C, D12F, or D12G). If converting a unit with any of these control options, contact the factory.

KIT SELECTION

Each conversion kit applies only to the sizes listed. All kits include burner orifices and spring kits that will not be used on all conversions. Select parts carefully. Refer to [Table 1](#) and [Table 2](#) for conversion kit PNs, application, and components.

NOTE: The identifying model number can be found on the heater rating plate. When converting fuels, it is necessary that you have the complete heater model. *The rating plate identifies only original equipment, so also compare the label on the gas valve with the description listed.*

Table 1. Natural Gas to Propane Conversion Kits

PN	Description	Model				
		PDH, SDH, RDH		PDH, SDH, SHH, RHH, RDH		
		Size				
		75, 100	125, 150	130, 175, 180 200, 225	250, 260, 300	350, 400A
		Conversion Kit PN				
		269846*	269847*	269848**	212067***	212068***
Quantity						
98720	Regulator spring kit (#393691) for single-stage gas valves VR8105, VR8205, & VR8305	1	1	1	1	1
260605	Regulator spring kit (#396221) for single-stage gas valve VR8215	1	1	1	—	—
197207	Regulator spring kit (#396021) for two-stage gas valves VR8105, VR8205, & VR8305	1	1	1	1	1
196852	Burner orifice for size 75, #39	1	—	—	—	—
205720	Burner orifice for size 100, 2.9 mm	1	—	—	—	—
196838	Burner orifice for size 125, #30	—	1	—	—	—
120145	Burner orifice for size 130, 3.3 mm	—	—	1	—	—
196898	Burner orifice for size 150, 9/64"	—	1	—	—	—
196899	Burner orifice for sizes 175 & 180, #24	—	—	1	—	—
196900	Burner orifice for size 200, 4.1 mm	—	—	1	—	—
196901	Burner orifice for size 225, 11/64"	—	—	1	—	—
196902	Burner orifice for sizes 250 & 260, #14	—	—	—	1	—
196903	Burner orifice for size 300, #8	—	—	—	1	—
196904	Burner orifice for size 350, #3	—	—	—	—	1
196905	Burner orifice for size 400A, 5.8 mm	—	—	—	—	1
202051	Air restrictor plate, diameter opening = 1-9/16" (40 mm)	1	1	—	—	—
196688	Air restrictor plate for sizes 130 & 175, diameter opening = 1-3/4" (44 mm)	—	—	1	—	—
64391	Gas conversion tape	1	1	1	1	1
37752	Propane gas disk	1	1	1	1	1
197062	High-altitude adjustment label for use above 2000 FT (610 M)	1	1	1	1	1
*For units equipped with gas valve VR8205K2957 (single-stage, 1/2"), VR8215T1239 (single-stage, 1/2"), or VR8205N2921 (two-stage, 1/2").						
**For units equipped with gas valve VR8205K2957 (single-stage, 1/2"), VR8215T1239 (single-stage, 1/2"), VR8305K4241 (single-stage, 3/4"), VR8205N2921 (two-stage, 1/2"), or VR8305N4297 (two-stage, 3/4").						
***For units equipped with gas valve VR8305K4241 (single-stage, 3/4"), or VR8305N4297 (two-stage, 3/4").						
NOTE: Models SHH and RHH are available only in sizes 130, 180, 260, and 350.						

KIT SELECTION—CONTINUED

Table 2. Propane to Natural Gas Conversion Kits						
PN	Description	Model				
		PDH, SDH, RDH	PDH, SDH, SHH, RHH, RDH			
		Size				
		75, 100	125, 130, 150	175, 180, 200, 225	250, 260, 300	350, 400A
		Conversion Kit PN				
		269860*	269861*	269862**	212072***	212073***
Quantity						
98721	Regulator spring kit (#394588) for single-stage gas valves VR8105, VR8205, & VR8305	1	1	1	1	1
261651	Regulator spring kit (#396222) for single-stage gas valve VR8215	1	1	1	—	—
197208	Regulator spring kit (#396205) for two-stage gas valves VR8105, VR8205, & VR8305	1	1	1	1	1
196855	Burner orifice for size 75, #19	1	—	—	—	—
205430	Burner orifice for size 100, #11	1	—	—	—	—
211851	Burner orifice for sizes 125 & 130, #3	—	1	—	—	—
131581	Burner orifice for sizes 150, 5.9 mm	—	1	—	—	—
196891	Burner orifice for size 175, E	—	—	1	—	—
221263	Burner orifice for size 180, 6.2 mm	—	—	1	—	—
196892	Burner orifice for size 200, 6.8 mm	—	—	1	—	—
221121	Burner orifice for size 225, 6.95 mm	—	—	1	—	—
208255	Burner orifice for size 250, L	—	—	—	1	—
196894	Burner orifice for size 260, 7.6 mm	—	—	—	1	—
221122	Burner orifice for size 300, 8 mm	—	—	—	1	—
221123	Burner orifice for size 350, 8.7 mm (models PDH, SDH, and RDH only)	—	—	—	—	1
206913	Burner orifice for size 350, 11/32" (models SHH and RHH only)	—	—	—	—	1
196897	Burner orifice for size 400A, 9.6 mm	—	—	—	—	1
64391	Gas conversion tape	1	1	1	1	1
1401	Natural gas disk	1	1	1	1	1
197062	High-altitude adjustment label for use above 2000 FT (610 M)	1	1	1	1	1
*For units equipped with gas valve VR8205K2965 (single-stage, 1/2"), VR8215T5214 (single-stage, 1/2"), or VR8205N2913 (two-stage, 1/2").						
**For units equipped with gas valve VR8205K2965 (single-stage, 1/2"), VR8215T5214 (single-stage, 1/2"), VR8205N2913 (two-stage, 1/2"), VR8305K4241 (single-stage, 3/4"), or VR8305N4289 (two-stage, 3/4").						
***For units equipped with gas valve VR8305K4258 (single-stage, 3/4") or VR8305N4289 (two-stage, 3/4").						
NOTE: Models SHH and RHH are available only in sizes 130, 180, 260, and 350.						

INSTALLATION

Install the conversion kit in accordance with the following steps. Ensure that the kit is correct for the size of the heater being serviced (refer to [Table 1](#) or [Table 2](#)).

NOTE: Conversion of a unit using these kits does not alter the input rate. Refer to the rating plate on the heater for input rate and other appropriate information.

If adjusted for high-altitude operation, input rate will be affected. For high-altitude input ratings and capacities refer to the [APPENDIX](#).

1. Remove gas supply and electrical power.
 - a. Turn off gas supply at shutoff valve outside of heater.
 - b. Turn off electrical power.
 - c. Open burner section door.
2. Install regulator spring kit (see [Figure 1](#) for heater component location).

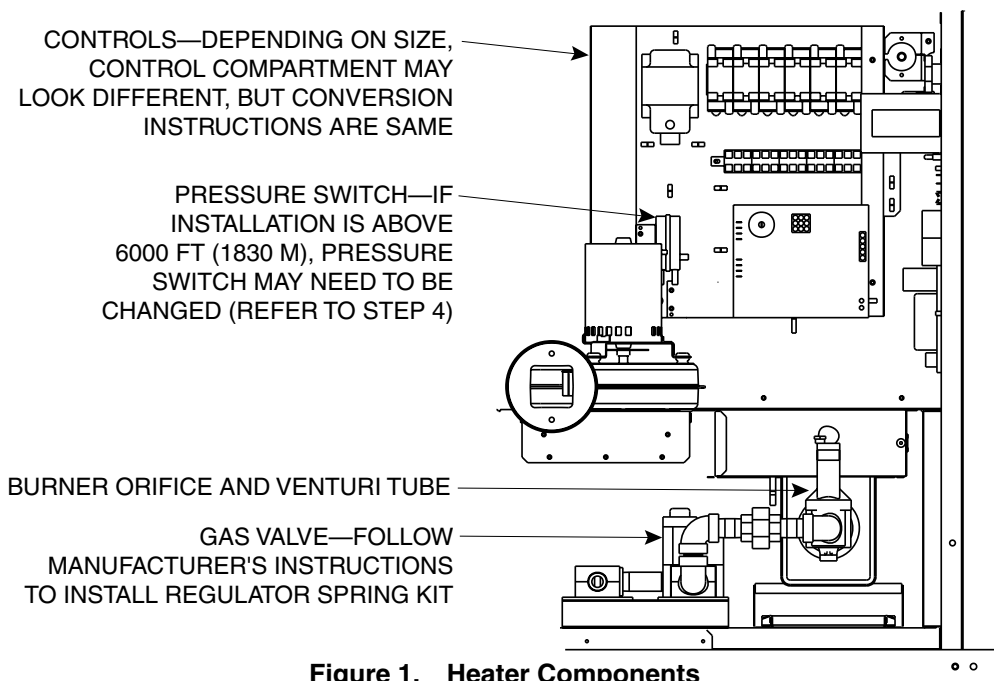


Figure 1. Heater Components

⚠ WARNING ⚠

Regulator spring kits are not interchangeable. Each kit must be used only in the model and type of gas valve for which the kit is designated. Verify compatibility before installing the regulator spring kit.

- a. Select regulator spring kit that corresponds with gas valve on heater. All gas conversion kits include one or two regulator spring kits for single-stage valve and one regulator spring for two-stage valve. Other included regulator spring kits will not be used.
- b. Install regulator spring kit in accordance with gas valve manufacturer's instructions (included with regulator spring kit).

NOTE: After a new regulator spring kit is installed, it is necessary to adjust the spring for correct manifold pressure. This adjustment can be made only after the heater is in operation (refer to step 7).

3. Remove or install air restrictor plate as necessary and replace burner orifice.

- a. Carefully remove existing burner orifice (see [Figure 2](#), DETAIL A).

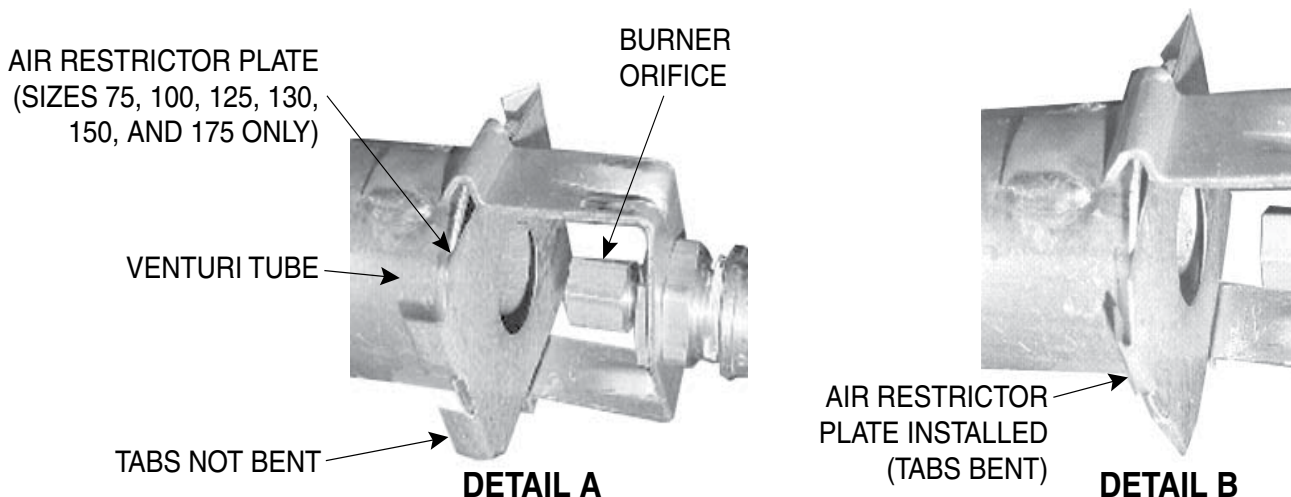


Figure 2. Burner Orifice and Air Restrictor Plate

INSTALLATION—CONTINUED

⚠ WARNING ⚠

For sizes 75, 100, 125, 130, 150, and 175, the failure to install or remove the air restrictor plate in accordance with the following directions can cause death or injury and/or property damage.

b. For sizes 180–400A, proceed to step e. For sizes 75, 100, 125, 130, 150, and 175, proceed to step c.

The air restrictor plate MUST BE ADDED when converting size 75, 100, 125, 130, 150, or 175 to propane.

The air restrictor plate MUST BE REMOVED when converting size 75, 100, 125, 130, 150, or 175 to natural gas.

- c. If converting from propane to natural gas, remove air restrictor plate as follows. If converting from natural gas to propane, install air restrictor plate in accordance with step d.
- (1) See [Figure 2](#) to locate air restrictor plate held in place on venturi tube by its bent tabs.
 - (2) Use pliers to carefully unbend tabs as shown in [Figure 2](#), DETAIL A and remove air restrictor plate.
- d. For natural gas to propane conversion, install air restrictor plate as follows:
- (1) Refer to [Table 1](#) to select correct air restrictor plate. Slide plate in place over venturi tube opening so that its 45-degree angle is hooked over rear of venturi tube (see [Figure 2](#)).
 - (2) While holding plate in position, use pliers to carefully bend tabs to lock plate in place (see [Figure 2](#), DETAIL B). Ensure that air restrictor is aligned and secure.
- e. For all conversions, select replacement burner orifice that has marking required for size of heater being converted (refer to [Table 3](#)). All conversion kits include two or three burner orifices. Other included orifice(s) will not be used.

Table 3. Burner Orifice PNs and Markings

Burner Orifice ID	Size														
	75	100	125	130*	150	175	180*	200	225	250	260*	300	350	350*	400A
Natural Gas to Propane Conversion Kits															
PN	196852	205720	196838	120145	196898	196899	196899	196900	196901	196902	196902	196903	196904	196904	196905
Marking	#39	2.9 mm	#30	3.3 mm	9/64	#24	#24	4.1 mm	11/64	#14	#14	#8	#3	#3	5.8 mm
Propane to Natural Gas Conversion Kits															
PN	196855	205430	211851	211851	131581	196891	221263	196892	221121	208255	196894	221122	221123	256913	196897
Marking	#19	#11	#3	#3	5.9 mm	E	6.2 mm	6.8 mm	6.95 mm	L	7.6 mm	8 mm	8.7 mm	11/32"	9.6 mm

*For models SHH and RHH, which are available only in sizes 130, 180, 260, and 350.

⚠ WARNING ⚠

Do not attempt to drill burner orifice. Use factory-supplied orifice only.

- b. Install replacement burner orifice (see [Figure 2](#), DETAIL A).
4. If unit will be operated at elevation below 6,000 feet (1,830 meters), proceed to step 5. If unit will be operated at high-altitude (elevation above 6,000 feet (1,830 meters)), high-altitude pressure switch is required. If unit does not have high-altitude pressure switch, install one as follows.

NOTE: When ordered with Option AB6, AB7, or AB8, the unit is factory-equipped with a high-altitude pressure switch. Verify on the rating plate whether or not the unit was ordered for high-altitude operation.

If the unit was not ordered for high-altitude operation but WILL BE operated at high-altitude and has a single-stage or two-stage gas control, contact your distributor to obtain a replacement switch. Follow the instructions below to install the high altitude pressure switch before starting the heater.

If the rating plate indicates that the unit is equipped for high-altitude operation but the installation is below that elevation, contact your distributor to obtain the appropriate pressure switch.

- a. If pressure switch replacement is required, locate pressure switch in controls compartment (see [Figure 1](#)) and mark and disconnect two pressure switch wires.
- b. Mark and disconnect sensing tube(s) from pressure switch.
- c. Remove two screws that secure mounting bracket and remove bracket and pressure switch. Save bracket and screws for reuse.
- d. Install replacement pressure switch using mounting bracket and two screws. Reconnect sensing tube(s) and wires.

5. Restore electrical power and gas supply.

- a. Turn on electrical power.
- b. Turn on gas supply and relight heater, following instructions on heater.

6. Perform leak test.

- a. Check all connections for gas leaks using commercial leak-detecting fluid or rich soap and water solution. Leaks are indicated by presence of bubbles.
- b. If leak is detected, tighten connection. If leak cannot be stopped by tightening connection, replace part(s).

7. Adjust manifold (outlet) pressure.

- a. Refer to [Table 4](#) to determine required manifold pressure for elevation where heater will be operated. If elevation is unknown, check with local gas company.

Table 4. Required Manifold Pressure (IN WC) Settings by Altitude					
Altitude		Normal Manifold Pressure (Single-Stage and Two-Stage High-Fire)*		Two-Stage Low-Fire Manifold Pressure**	
Feet	Meters	Natural	Propane	Natural	Propane
Installation in US					
0–2000	0–610	3.5	10.0	1.8	5.0
2001–3000	611–915	3.1	8.8	1.6	4.4
3001–4000	916–1220	3.0	8.5	1.5	4.2
4001–5000	1221–1525	2.8	8.1	1.5	4.1
5001–6000	1526–1830	2.7	7.7	1.4	3.9
6001–7000	1831–2135	2.6	7.4	1.3	3.7
7001–8000	2136–2440	2.5	7.1	1.3	3.5
8001–9000	2441–2745	2.4	6.7	1.2	3.4
Installation in Canada					
0–2000	0–610	3.5	10.0	1.8	5.0
2001–4500	611–1373	2.8	8.1	1.5	4.1

*Applies to Options AG1, AG2, AG3, AG15, and AG16 **Applies to Options AG2, AG3, AG15, and AG16

- a. Turn knob or switch on top of gas valve to OFF. Connect manometer (Water Column (WC) manometer readable to nearest tenth-inch) to 1/8" outlet pressure tap (see [Figure 3](#)).

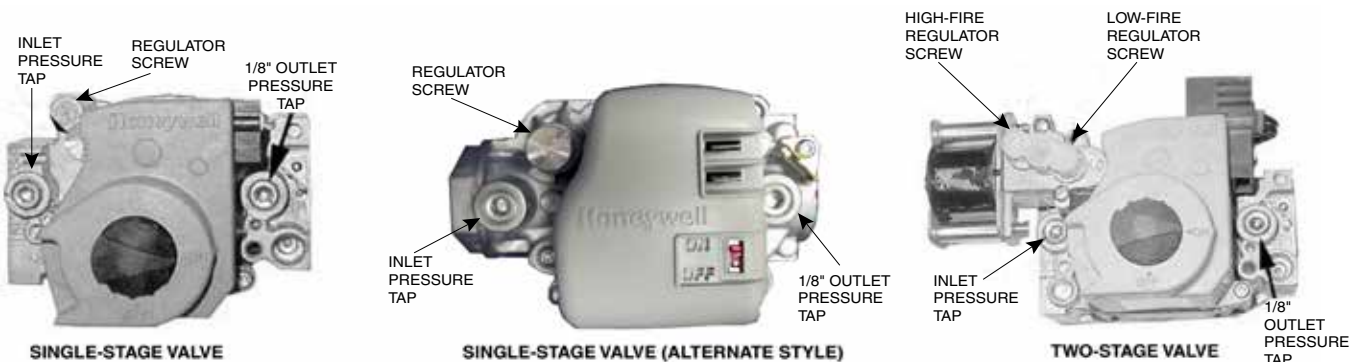


Figure 3. Manifold Pressure Adjustment

- b. Turn knob or switch on top of gas valve to ON and remove cap from regulator screw.
- c. For two-stage low-fire manifold pressure adjustment, disconnect wire from HI terminal on valve before adjusting regulator screw. Reconnect wire to HI terminal when required outlet pressure (refer to [Table 4](#)) is achieved.

⚠ CAUTION ⚠

DO NOT bottom out the gas valve regulator adjusting screw. This can result in unregulated manifold pressure that can cause excess overfire and heat exchanger failure.

- d. For all gas valves, adjust outlet pressure by turning regulator screw IN (clockwise) to increase pressure or OUT (counterclockwise) to decrease pressure. See Figure 3 to determine which regulator screw (low-fire or high-fire) to adjust for two-stage valves.
 - e. When manometer reading indicates that required pressure has been achieved, turn up thermostat (on models SDH and SHH, depress and hold door safety switch).
 - f. Cycle burner once or twice to properly seat adjustment spring in gas valve and recheck outlet pressure. When pressure corresponds to [Table 4](#), disconnect manometer and install cap on regulator screw.
 - g. Check for leakage at 1/8" outlet pressure tap fitting. Correct as necessary.
 - h. Connect manometer to inlet pressure tap (see figure 3). While heater is operating, measure inlet pressure, which should be between 5 and 14 IN WC for natural gas or between 10 and 14 IN WC for propane.
 - i. If inlet pressure is not between 5 and 14 IN WC for natural gas or between 10 and 14 IN WC for propane, inlet pressure must be corrected and manifold (outlet) pressure must be rechecked.
 - j. If gas valve has been adjusted for operation above 2,000 feet, fill in appropriate input and capacity information (from [APPENDIX](#)) on high-altitude adjustment label (from conversion kit) using permanent marker. Select location for label on outside of heater that will be conspicuous to anyone operating or servicing unit. Ensure that surface is clean and dry and affix label. This label is not used on units operated at elevations of 2,000 feet (610 meters) or below.
8. Observe heater operation for at least one complete cycle to check for safe and proper operation (on models SDH and SHH, depress and hold safety door switch).
 9. Fill in required information on gas conversion tape (from conversion kit). Select location near rating plate, ensure that surface is clean and dry, and affix tape to heater.
 10. Close burner section door.

APPENDIX: HIGH-ALTITUDE CAPACITY CHANGES

Inputs and Capacities by Altitude in US										
Altitude		Normal Input (BTUh)	Thermal Output Capacity (BTUh)	Two-Stage Minimum Input (BTUh)*	Normal Input (BTUh)	Thermal Output Capacity (BTUh)	Two-Stage Minimum Input (BTUh)*	Normal Input (BTUh)	Thermal Output Capacity (BTUh)	Two-Stage Minimum Input (BTUh)*
Feet	Meters	75*			100			125		
0–2000	0–610	75,000	60,750	52,500	100,000	81,000	70,000	125,000	101,250	87,500
2001–3000	611–915	70,500	57,105	49,350	94,000	76,140	65,800	117,500	95,175	82,250
3001–4000	916–1220	69,000	55,890	48,300	92,000	74,520	64,400	115,000	93,150	80,500
4001–5000	1221–1525	67,500	54,675	47,250	90,000	72,900	63,000	112,500	91,125	78,750
5001–6000	1526–1830	66,000	53,460	46,200	88,000	71,280	61,600	110,000	89,100	77,000
6001–7000	1831–2135	64,500	52,245	45,150	86,000	69,660	60,200	107,500	87,075	75,250
7001–8000	2136–2440	63,000	51,030	44,100	84,000	68,040	58,800	105,000	85,050	73,500
8001–9000	2441–2745	61,500	49,815	43,050	82,000	66,420	57,400	102,500	83,025	71,750
Feet	Meters	130**			150			175		
0–2000	0–610	131,000	120,520	91,700	150,000	121,500	105,000	175,000	141,750	122,500
2001–3000	611–915	123,140	113,289	86,198	141,000	114,210	98,700	164,500	133,245	115,150
3001–4000	916–1220	120,520	110,878	84,364	138,000	111,780	96,600	161,000	130,410	112,700
4001–5000	1221–1525	117,900	108,468	82,530	135,000	109,350	94,500	157,500	127,575	110,250
5001–6000	1526–1830	115,280	106,058	80,696	132,000	106,920	92,400	154,000	124,740	107,800
6001–7000	1831–2135	112,660	103,647	78,862	129,000	104,490	90,300	150,500	121,905	105,350
7001–8000	2136–2440	110,040	101,237	77,028	126,000	102,060	88,200	147,000	119,070	102,900
8001–9000	2441–2745	107,420	98,826	75,194	123,000	99,630	86,100	143,500	116,235	100,450
9001–10,000	2746–3045	104,800	96,416	73,360	—	—	—	—	—	—
Feet	Meters	180**			200			225		
0–2000	0–610	175,000	159,250	122,500	200,000	162,000	140,000	225,000	182,250	157,500
2001–3000	611–915	164,500	149,695	115,150	188,000	152,280	131,600	211,500	171,315	148,050
3001–4000	916–1220	161,000	146,510	112,700	184,000	149,040	128,800	207,000	167,670	144,900
4001–5000	1221–1525	157,500	143,325	110,250	180,000	145,800	126,000	202,500	164,025	141,750
5001–6000	1526–1830	154,000	140,140	107,800	176,000	142,560	123,200	198,000	160,380	138,600
6001–7000	1831–2135	150,500	136,955	105,350	172,000	139,320	120,400	193,500	156,735	135,450
7001–8000	2136–2440	147,000	133,770	102,900	168,000	136,080	117,600	189,000	153,090	132,300
8001–9000	2441–2745	143,500	130,585	100,450	164,000	132,840	114,800	184,500	149,445	129,150
9001–10,000	2746–3045	140,000	127,400	98,000	—	—	—	—	—	—
Feet	Meters	250			260**			300		
0–2000	0–610	250,000	202,500	175,000	260,000	236,600	182,000	300,000	243,000	210,000
2001–3000	611–915	235,000	190,350	164,500	244,400	222,404	171,080	282,000	228,420	197,400
3001–4000	916–1220	230,000	186,300	161,000	239,200	217,672	167,440	276,000	223,560	193,200
4001–5000	1221–1525	225,000	182,250	157,500	234,000	212,940	163,800	270,000	218,700	189,000
5001–6000	1526–1830	220,000	178,200	154,000	228,800	208,208	160,160	264,000	213,840	184,800
6001–7000	1831–2135	215,000	174,150	150,500	223,600	203,476	156,520	258,000	208,980	180,600
7001–8000	2136–2440	210,000	170,100	147,000	218,400	198,744	152,880	252,000	204,120	176,400
8001–9000	2441–2745	205,000	166,050	143,500	213,200	194,012	149,240	246,000	199,260	172,200
9001–10,000	2746–3045	—	—	—	208,000	189,280	145,600	—	—	—
Feet	Meters	350			350**			400A		
0–2000	0–610	350,000	283,500	245,000	345,000	313,950	241,500	400,000	324,000	280,000
2001–3000	611–915	329,000	266,490	230,300	324,300	295,113	227,010	376,000	304,560	263,200
3001–4000	916–1220	322,000	260,820	225,400	317,400	288,834	222,180	368,000	298,080	257,600
4001–5000	1221–1525	315,000	255,150	220,500	310,500	282,555	217,350	360,000	291,600	252,000
5001–6000	1526–1830	308,000	249,480	215,600	303,600	276,276	212,520	352,000	285,120	246,400
6001–7000	1831–2135	301,000	243,810	210,700	296,700	269,997	207,690	344,000	278,640	240,800
7001–8000	2136–2440	294,000	238,140	205,800	289,800	263,718	202,860	336,000	272,160	235,200
8001–9000	2441–2745	287,000	232,470	200,900	282,900	257,439	198,030	328,000	265,680	229,600
9001–10,000	2746–3045	—	—	—	276,000	251,160	193,200	—	—	—

*Input is 70%. This applies to units with two-stage control system (Option AG2, AG3, AG15, or AG16).

**For models SHH and RHH, which are available only in sizes 130, 180, 260, and 350.

APPENDIX: HIGH ALTITUDE CAPACITY CHANGES—CONTINUED

Inputs and Capacities by Altitude in Canada										
Altitude		Normal Input (BTUh)	Thermal Output Capacity (BTUh)	Two-Stage Minimum Input (BTUh)*	Normal Input (BTUh)	Thermal Output Capacity (BTUh)	Two-Stage Minimum Input (BTUh)*	Normal Input (BTUh)	Thermal Output Capacity (BTUh)	Two-Stage Minimum Input (BTUh)*
Feet	Meters	75			100			125		
0–2000	0–610	75,000	60,750	52,500	100,000	81,000	70,000	125,000	101,250	87,500
2001–4500	611–1373	67,500	54,675	47,250	90,000	72,900	63,000	112,500	91,125	78,750
Feet	Meters	130**			150			175		
0–2000	0–610	131,000	120,520	91,700	150,000	121,500	105,000	175,000	141,750	122,500
2001–4500	611–1373	117,900	108,468	82,530	135,000	109,350	94,500	157,500	127,575	110,250
Feet	Meters	180**			200			225		
0–2000	0–610	175,000	159,250	122,500	200,000	162,000	140,000	225,000	182,250	157,500
2001–4500	611–1373	157,500	143,325	110,250	180,000	145,800	126,000	202,500	164,025	141,750
Feet	Meters	250			260**			300		
0–2000	0–610	250,000	202,500	175,000	260,000	236,600	182,000	300,000	243,000	210,000
2001–4500	611–1373	225,000	182,250	157,500	234,000	212,940	163,800	270,000	218,700	189,000
Feet	Meters	350			350**			400A		
0–2000	0–610	350,000	283,500	245,000	345,000	313,950	241,500	400,000	324,000	280,000
2001–4500	611–1373	315,000	255,150	220,500	310,500	282,555	217,350	360,000	291,600	252,000
*Input is 70%. This applies to units with two-stage control system (Option AG2, AG3, AG15, or AG16).										
**For models SHH and RHH, which are available only in sizes 130, 180, 260, and 350.										

NOTES

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