

Checking Gas Pressure

Models: 520HN, 520PN, 330PN



BOSCH



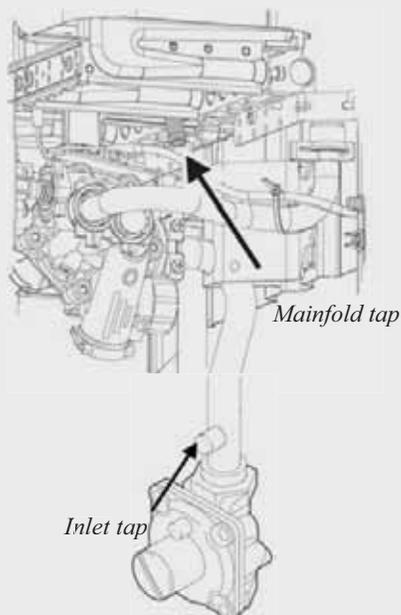
WARNING

LP & NG are extremely flammable. Take extra precautions when performing any work to the heater.

Connecting manometer

1. Turn off gas using installer supplied manual shutoff.
2. Remove front cover (see manual for instructions) and locate inlet gas pressure tap above the regulator on the gas inlet pipe and the manifold gas pressure tap on the right side directly below the burner (Fig. 1).
3. Select appropriate pressure tap per specific pressure test (see steps B and C). Loosen the screw from test point fitting (do not remove) and connect manometer tube on test point.

Figure 1



Static pressure test (Inlet pressure tap only)

1. Turn gas supply back on.
2. Operate all other gas appliances at maximum output.
3. Record static pressure reading in Table 1.
4. Leave manometer connected to inlet tap for operating pressure test.

Operating pressure test

1. Light pilot if necessary (PN models).
2. All other gas appliances should still be running at full capacity.
3. Set heater to maximum output:
 - 330PN, 520PN:
Set gas slide control to the right. Turn temperature adjustment knob full clockwise.
 - 520HN:
Turn power adjustment knob full clockwise. Turn temperature adjustment knob full clockwise.
4. Open all hot water taps supplied by this unit.
5. Record inlet tap operating pressure reading in Table 2.
6. Turn off gas supply as well as all hot water taps. Disconnect manometer from the inlet tap. Tighten screw in tap fitting or gas leak may occur.
7. Reconnect manometer to the manifold gas pressure tap.
8. Turn gas supply back on and follow steps 1 through 4.
9. Record manifold tap operating pressure reading in Table 2.

10. Turn off gas supply as well as all hot water taps. Disconnect manometer from the manifold tap. Tighten screw in tap fitting or gas leak may occur.
11. Put cover back on water heater, open gas supply and return heater to service.

Table 1		
Required Static Pressure (all models)	NG	7" - 14" W.C.
	LP	11" - 14" W.C.
Static Gas Pressure Reading:	_____ W.C.	

Table 2				
Minimum required operating gas pressure in inches of water column (W.C.)	Inlet tap (above regulator)		Manifold tap (below burners)	
	NG	LP	NG	LP
330PN	5.7"	10.5"	4.6"	9.6"
520PN	5.7"	10.5"	2.9"	9.2"
520HN	5.7"	10.5"	3.6"	9.2"
Operating Gas Pressure Reading:	_____ " W.C.		_____ " W.C.	



BOSCH

Bosch Thermotechnology Corp.
50 Wentworth Avenue
Londonderry, NH 03053

Tel: 1-866-642-3198
Fax: 1-603-584-1687
www.boschpro.com