

Title: Setting Natural or LP Gas Pressures

Tools Required

1. Manometer
2. Allen Wrench (Hex Head) Set
3. Flat Tipped Screwdriver Set (recommended to have a “stubby” handled screwdriver)

Static Pressure

Acceptable Gas Pressure Ranges		
	Minimum	Maximum
Natural Gas	6.0" WC	10.5" WC
Propane (LP)	11.0" WC	13.0" WC

Table 1. Acceptable Inlet Gas Pressures

1. Turn off the supply of gas to the MPU.
2. Remove the inlet test port hex plug from one MPU gas valve. See Figure 1.
3. Connect the manometer to this test port. Turn on the supply of gas to the MPU.
4. Compare your manometer readings to the values on Table 1 to ensure you are within the required ranges.

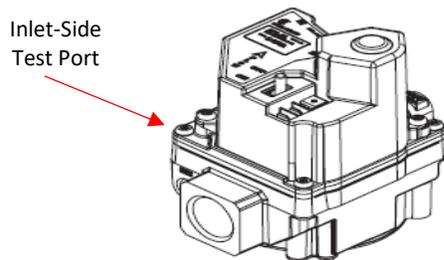


Figure 1. Gas Valve

Inlet Full Burn

1. With the monometer connected to the inlet test port of one MPU gas valve, energize all four stages of heat.
2. Review the inlet gas pressure at full burn reading against the minimum full burn gas pressure listed in Table 1.
3. Turn off the supply of gas to the MPU.
4. Remove the monometer from the test port and reinstall the plug.

If readings are outside of the acceptable range, adjustments must be made to the gas pressure regulator.

If you are unable to adjust yourself, note the deficiency on your work order for future resolution.

Gas Manifold Pressures

Manifold Gas Pressures		
	Low Fire	High Fire
Natural Gas	1.75" WC +/- 10%	3.5" WC +/- 10%
Propane (LP)	5.25" WC +/- 10%	10.5" WC +/- 10%

Table 2. Acceptable Gas Manifold Pressures at the Manifold Pressure Port

1. Ensure that all stages of heat are **'OFF'**.
2. Remove the hex plug from the Flö unit's gas manifold and connect the manometer to the gas port. See Figure 2.
3. Using the Flö controller, energize the gas valve's low fire circuit.
4. Verify the burner has lit.
5. If there are adjustments needed, remove the regulator cover screw from the gas valve's low outlet pressure regulator adjust the screw clockwise ⤴ to increase pressure, or counterclockwise ⤵ to decrease pressure to achieve the recommended manifold gas pressures in Table 2.
6. Using the Flö controller, energize the gas valve's high fire circuit.
7. If there are adjustments needed, remove regulator cover screw from the gas valve's high outlet pressure regulator and turn the screw clockwise ⤴ to increase pressure, or counterclockwise ⤵ to decrease pressure to achieve the recommended manifold gas pressures listed in Table 2.
8. Replace regulator cover screws.
9. Repeat steps 1 thru 8 on the remaining gas valves.



Figure 2. Manometer Connected to Gas Port