

# **Gas Pressure Setting Procedure for CONTINUUM 2402- FFU unit only!**

*All settings/adjustments must be performed by a qualified Service Technician.*

1. Turn unit off at power source, remove the gas pressure test port plug. Connect manometer to the test port. See figure #2 for location of the test port plug.
2. The plastic cover over the front of the PC board has to be removed. Locate the three dip switches, labeled “SW2” on the PC board. See figure #1 for location of the combustion control switches.
3. **CAUTION: When setting the gas pressure, a water tap must be open to allow water flow at a maximum flow rate. Turn on the hot water tap at the tub, shower and kitchen to ensure you have proper flow.** Make sure water is draining out of the tub and sink before returning outside to set the gas pressure. This will prevent overflowing that could cause water damage inside the home.
4. To adjust the “**Low**” fire pressure, set combustion control dip switch #2 to the “**ON**” position, (see figure #1 for location of combustion control switches.) This will put the unit into forced low fire. Check the pressure reading on your manometer. If the pressure needs adjusting, remove the rubber plug from the bottom of the casing right under the regulator, to access the regulator adjustment screw. Loosen the regulator screw lock nut and adjust the pressure to the correct setting. Below are the proper pressures for “**Low**” fire, per gas type being used.

Propane	<u>0.43” W.C.</u>	Low fire rate of 19,000 BTU’s
Natural	<u>0.31” W.C.</u>	Low fire rate of 19,000 BTU’s

5. To adjust the “**High**” fire pressure, set combustion control dip switches #2 and #3 to the “**ON**” position, (see figure #1 for location of the combustion control switches), this will put the unit into forced high fire. Check the pressure reading on your manometer. If the pressure needs adjusting, adjust it by turning the high pressure “**Pot**” just below the “**SW2**” dip switches. See figure #1 for location of “high pressure setting pot”. Below are the proper pressures for “**High**” fire, per gas type being used.

Propane	<u>5.1” W.C.</u>	High fire rate of 180,000 BTU’s
Natural	<u>3.9” W.C.</u>	High fire rate of 180,000 BTU’s

**Dip switches #2 and #3 (combustion control switches), MUST be returned to the “Off” position, before processing. If you fail to reset these switches, the unit will operate in forced high fire and could cause property damage, personal injury, scalding or death.**

6. This completes the gas pressure setting procedure. Verify both low and high fire pressures by following steps 1-5 above. **Once you have verified the pressures, reset dip switches #2 and #3 at “SW2” on the PC board to the “OFF” position, see figure #1 for location of these switches. They are called “combustion control switches”. Failure to reset these dip switches will lock the unit in a high fire mode, which could cause damage to the unit or a possible fire.**

7. Remove the manometer connection. Reinstall the pressure port plug, check for gas leaks around test port with a leak solution.
8. Reinstall the plastic cover over the PC board.
9. Reinstall the front cover and place the unit back into operation.
10. Verify you are getting the proper water temperature, as set on the controller at your outlets. If controllers are not being used the output temperature should be 120°F.

