



Burner Set Up Procedures

This section provides the proper procedure for set up of the burner and gas train to assure temperature rise and clean operation of the burner. This procedure is done after air throughput and air handling settings and adjustments have been completed. These procedures are the manufacturers recommended procedure and shall not be omitted from the start up of a Mercury/Spray-Tech/Junair heated air makeup.

Necessary Tools:

- Test gauge capable of inlet pressure reading anywhere from 7" to 5 lbs, a 0 to 5"
- pressure gauge
- test port fittings and tubing
- wrench for removing and replacing test ports plugs and fittings
- flat head screw drivers to make adjustments.

All burner photos have been made through sight glasses on makeup and may show shadow images.

This section is using natural Gas, Propane pressures are 11"W.C. at inlet, 2.4"W.C. dynamically at burner manifold, Pilot will end up around 2"W.C. using the procedure below.

After all utilities have been connected to the heated air makeup, and all ducting has been installed and sealed. Connect a pressure gauge to the inlet test port on the gas train and look for a minimum pressure of 7" w.c. (Inches of Water Column) and a maximum of 21" W.C.



Test Port at Tee for Pilot Tube