

Adjusting the Dryer Gas Train

Follow the procedure outlined in FIGURE 7 and described in the following text to properly adjust the gas train on the dryer.

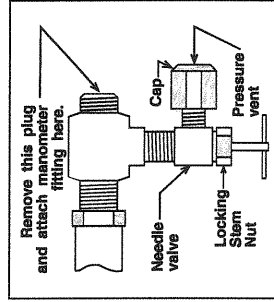


FIGURE 6 (MSSM012BE)
Typical Manometer
Connection Point

Gas Train Adjustment Procedure (FIGURE 7)

Make gas train adjustments with empty basket and main air at "MIN+1", and in the order shown below.

Shaded area for Firefly flame control unit only. See "Remaining Firefly Procedures..."

Step	Value	Device/Function	See Note	Reference Point	Setup Main Mode Valve	Test Valve	Modulating Gas Valve	Pilot Firing	Burner Firing	Combustion Air Blower	Main Blower
1		Static Gas Pressure	1	Atmosphere	—	ON	OFF	NO	NO	MIN	OFF
2		Combustion Air For Maximum Fire	2	Plenum	A	ON	OFF	NO	NO	MIN	ON
3		Combustion Air For Minimum Fire	3	Plenum	A	ON	OFF	NO	NO	MIN	ON
4		Low Combustion Air Pressure Switch (See Figure 11)	4	Atmosphere	A	ON	OFF	NO	NO	MIN	ON
5		Pilot Gas Pressure	5	Atmosphere	B	ON	OFF	NO	NO	MIN	ON
6A		Pilot Gas Pressure	6	Atmosphere	C	ON	OFF	YES	NO	MIN	ON
6B		Pilot Gas Pressure	6	Atmosphere	C	ON	OFF	YES	NO	MIN	ON
7		Regulated Gas Pressure	7	Atmosphere	D	ON	ON	YES	YES	MOD	ON
8		Burner Minimum Fire	8	Inlet Temperature on Display	E	ON	ON	YES	YES	MIN	ON
9		Combustion Air Rod	9	Plenum	E	ON	ON	YES	YES	MIN	ON
10		High Gas Pressure	10	Atmosphere	E	ON	ON	YES/NO	YES/NO	MIN	ON
11		Low Gas Pressure	11	Atmosphere	E			YES/NO	YES/NO	MIN	ON

NOTE: Start with valve open, close slowly, set pressure switch to interrupt flame at indicated pressure.

Expected condition

Table of Model-Specific Settings (FIGURE 8)

Setting	Natural Gas										Propane									
	Standard					CSA					Standard					CSA				
	58040	Inches H ₂ O	58058	mm H ₂ O	58080	58040	Inches H ₂ O	58058	mm H ₂ O	58080	58040	Inches H ₂ O	58058	mm H ₂ O	58080	58040	Inches H ₂ O	58058	mm H ₂ O	58080
Static Gas Pressure	13.5	343	13.5	343	13.5	343	13.5	343	13.5	343	13.5	343	13.5	343	13.5	343	13.5	343	13.5	343
Combustion Air for Maximum Fire	1.6	41	2.2	56	2.3-2.4	58-61	1.6	41	2.2	56	2.3-2.4	58-61	1.43	36	2.2	56	1.43	36	2.2	56
Combustion Air for Minimum Fire	0.4	10	0.5-0.6	13-15	0.9-1.0	23-25	0.4	10	0.5-0.6	13-15	0.3	8	0.4	10	0.5-0.6	13-15	0.13	3	0.3	8
Low Combustion Air Pressure Switch	1.5	38	1.5	38	2.0	51	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38
Low Main Air	0.8	20	0.8	20	0.8	20	0.8	20	0.8	20	1.0	25	1.0	25	1.0	25	1.3	33	1.3	33
Pilot Gas Pressure	5.0	127	5.0	127	5.0	127	5.0	127	5.0	127	5.0	127	5.0	127	5.0	127	5.0	127	5.0	127
Pilot Gas Flame	3.0	76	3.0	76	3.0	76	3.0	76	3.0	76	3.0	76	3.0	76	3.0	76	3.0	76	3.0	76
Regulated Gas Pressure	3.0	76	5.5	140	8.0	203	2.2	56	4.4	112	1.2	30	2.4	61	0.2	5	1.2	30	0.2	5
Burner Minimum Fire	70-80°F	21-27°C	70-80°F	21-27°C	70-80°F	21-27°C	38-43°C	100-110°F	38-43°C	100-110°F	70-80°F	21-27°C	70-80°F	21-27°C	70-80°F	21-27°C	100-110°F	38-43°C	100-110°F	38-43°C
Combustion Air Rod	0.4	10	0.5-0.6	13-15	0.9-1.0	23-25	0.13	3	0.3	8	0.4	10	0.5-0.6	13-15	0.5-0.6	13-15	0.13	3	0.3	8
High Gas Pressure	3.75	95	6.87	175	10.0	254	2.75	70	5.5	140	1.5	38	3.0	76	3.0	76	1.5	38	3.0	76
Low Gas Pressure	1.50	38	2.75	70	4.0	102	1.1	28	2.2	56	0.6	15	1.2	30	1.2	30	0.6	15	1.2	30