

		LP Performance Data										
WJ-100-LP-2015		1	2	3	4	5	6	7	8	9	10	11
% Burner output		0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
Heat input	MMBtu/hr	11.0	20.9	30.8	40.6	50.5	60.4	70.3	80.2	90.1	100.0	109.9
LP Flow	GPM	2.0	3.8	5.6	7.4	9.2	11.0	12.8	14.6	16.4	18.2	20.0
LP Control Valve Position	Indicator	1.5	2.3	3.0	3.5	4.0	5.0	5.8	6.0	6.5	8.0	10
LP Inlet Pressure	PSI	275	274	272	271	269	268	266	265	263	262	260
LP Pressure at Nozzle	PSI	70	101.5	108	119	141	155	169	175	182	188	200
Main Air Flow	SCFH	311,851	437,178	520,821	600,894	735,426	822,215	979,043	1,005,956	1,124,394	1,213,130	1,350,106
Damper Position	Indicator	0	0.75	1.5	2	2.5	3	3.5	4	5	7	9
Blower Power	HP	56.3	63.3	67.8	71.5	77.7	76.2	82.7	85.3	89.6	94.1	100
Blower Current	A	70.2	75.1	79.1	82.6	86.7	85.7	91.9	94.6	98.4	102	108
Blower Body Pressure	i.w.c.	0.43	1.15	1.92	2.80	4.33	5.00	6.50	7.43	9.46	12.36	17.21
Flame Diameter	Feet	3.2	3.8	3.8	3.8	3.8	3.8	4.4	3.8	3.8	3.2	3.2
Flame Length	Feet	5.0	5.0	7.5	10.0	8.8	11.3	11.3	10.0	12.5	12.5	15.0
Excess air (Calculated)	%	194%	117%	76%	53%	51%	41%	44%	30%	29%	26%	27%

14-250

Match LP flow rate (GPM) with blower body pressure. The chart below shows this graphically. To use it, find the fuel flow on the horizontal axis, then move vertically to the curve and then horizontally to the left to find the required blower body pressure. Fine tuning must be done using a flue gas analyzer.

