

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	WEIGHT	UNIT DIMENSIONS										INTAKE OPENING		DISCHARGE OPENING		RETURN OPENING		OPTIONAL MIXING BOX FILTERS							
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	GAS PRESSURE	GAS CONNECTION	TONNAGE RANGE	FILTER SIZE & QTY	MAX FILTER VELOCITY	OPTIONAL FILTER SIZE & QTY	BTU RANGE (MBH)	GAS PRESSURE	GAS CONNECTION	TONNAGE RANGE	FILTER SIZE & QTY	MAX FILTER VELOCITY	OPTIONAL FILTER SIZE & QTY							
D-250-G10	1155 LBS	191-1/8	39-3/8	42-3/4	39	3-3/4	48	7-13/16	77-1/16	3-1/8	16-3/4	17-1/2	16	11	5-3/4	14	18	41-1/8	115-3/8	157-1/2					
D-500-G10	1560 LBS	191-1/8	39-3/8	42-3/4	39	3-3/4	48	7-13/16	77-1/16	3-1/8	16-3/4	17-1/2	16	11	5-3/4	14	18	41-1/8	115-3/8	157-1/2					
D-250-G15	1555 LBS	199-1/8	49-3/8	47-3/4	44	3-3/4	60	7-13/16	85-1/16	5-1/8	24-3/4	28-7/8	5-3/4	29-3/4	22-3/4	8	11	24	41-1/8	123-3/8	165-1/2				
D-500-G15	1560 LBS	199-1/8	49-3/8	47-3/4	44	3-3/4	60	7-13/16	85-1/16	5-1/8	24-3/4	28-7/8	5-3/4	29-3/4	22-3/4	8	11	24	41-1/8	123-3/8	165-1/2				
D-750-G15	1365 LBS	199-1/8	49-3/8	47-3/4	44	3-3/4	60	7-13/16	85-1/16	5-1/8	24-3/4	28-7/8	5-3/4	29-3/4	22-3/4	8	11	24	41-1/8	123-3/8	165-1/2				
D-1000-G18	1835 LBS	210-1/8	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	90-1/16	4-5/8	29-1/4	33-7/8	7-1/2	29-5/8	30	11-1/2	7-3/8	8	7	30	41-1/8	128-3/8	170-1/2		
D-1500-G18	1840 LBS	210-1/8	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	90-1/16	4-5/8	29-1/4	33-7/8	7-1/2	29-5/8	30	11-1/2	7-3/8	8	7	30	41-1/8	128-3/8	170-1/2		
D-1000-G20	2915 LBS	262-1/2	60-7/16	64-3/8	59-1/8	5-1/4	72	13-9/16	120-5/8	4-5/8	36-1/4	41-7/8	7-1/2	36-3/4	34	12-1/2	7-3/8	33	10	11	36	53-3/16	117-3/8	171-9/16	225-3/4
D-1500-G20	2930 LBS	262-1/2	60-7/16	64-3/8	59-1/8	5-1/4	72	13-9/16	120-5/8	4-5/8	36-1/4	41-7/8	7-1/2	36-3/4	34	12-1/2	7-3/8	33	10	11	36	53-3/16	117-3/8	171-9/16	225-3/4
D-2000-G25	3710 LBS	272-1/2	79-7/16	68-1/16	63-3/16	5-1/4	96	13-3/4	130-3/4	4-5/8	41-7/8	44-7/8	7-1/2	45-1/4	43	17-1/2	7-3/8	43	10	10	43	53-3/16	127-3/8	181-9/16	235-3/4
D-2500-G25	3725 LBS	272-1/2	79-7/16	68-1/16	63-3/16	5-1/4	96	13-3/4	130-3/4	4-5/8	41-7/8	44-7/8	7-1/2	45-1/4	43	17-1/2	7-3/8	43	10	10	43	53-3/16	127-3/8	181-9/16	235-3/4

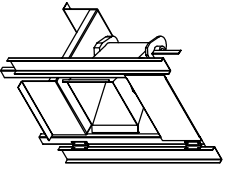
Direct Fired Profile Plate Burner Specifications:

Direct fired burners shall have patented (US Patent No. US669292B2), self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 50ppm of carbon monoxide (CO) and 50ppm of nitrogen dioxide (NO2).

Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of the burner flame and adjust the air velocity and pressure drop across the burner. Burners with this feature, all JP units are designed for demand control ventilation (DCV) requirements.

Architectural: Burner assemblies shall be included in the JP unit's ETL listing and comply with combined safety standards ANSI Z89.4 and CSA 37 (non-re-circulating JP heaters) and ANSI Z83.8 (re-circulating JP heaters).

General Construction: Burner profile plates are formed from G90 galvanized steel. Profile plates shall vary in size per unit. Profile plates shall be mounted along the same plane as the discharge of the burner. Design shall incorporate properly torqued, permanently mounted spring hinges.



Direct Fired (DF) Profile Plate Assembly