

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	X	Z	ZZ	ZZZ
D.250-G10	800 LBS	148-7/8	27-3/8	29-3/4	26-1/16	3-3/4	36	7-13/16	34-13/16	3-1/8	16-3/4	42-1/8	5-3/8	13-1/4	11-1/2	6-3/8	11-7/8	14	8	14	18	31-1/8	73-1/4	115-3/8
D.500-G10	805 LBS	148-7/8	27-3/8	29-3/4	26-1/16	3-3/4	36	7-13/16	34-13/16	3-1/8	16-3/4	42-1/8	5-3/8	13-1/4	11-1/2	6-3/8	11-7/8	14	8	14	18	31-1/8	73-1/4	115-3/8
D.250-G15	1125 LBS	156-7/8	37-3/8	36-3/4	33-1/16	3-3/4	48	7-13/16	42-13/16	5-1/8	24-3/4	42-7/8	8-3/4	14-1/8	11-1/2	8-5/8	14-1/16	22-3/4	8	11	24	39-1/8	81-1/4	123-3/8
D.500-G15	1130 LBS	156-7/8	37-3/8	36-3/4	33-1/16	3-3/4	48	7-13/16	42-13/16	5-1/8	24-3/4	42-7/8	8-3/4	14-1/8	11-1/2	8-5/8	14-1/16	22-3/4	8	11	24	39-1/8	81-1/4	123-3/8
D.750-G15	1335 LBS	156-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	43-7/8	11-1/2	15	10	9	17-7/8	28	8	7	30	44-1/8	86-1/4	128-3/8
D.500-G18	1335 LBS	167-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	43-7/8	11-1/2	15	10	9	17-7/8	28	8	7	30	44-1/8	86-1/4	128-3/8
D.750-G18	1335 LBS	167-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	43-7/8	11-1/2	15	10	9	17-7/8	28	8	7	30	44-1/8	86-1/4	128-3/8
D.1000-G18	1335 LBS	167-7/8	41-3/8	43-3/8	38-1/16	5-1/4	60	9-1/2	47-13/16	4-5/8	29-1/4	43-7/8	11-1/2	15	10	9	17-7/8	28	8	7	30	44-1/8	86-1/4	128-3/8
D.1000-G20	2150 LBS	208-3/16	48-1/8	51-3/8	46-1/8	5-1/4	60	13-9/16	66-5/16	4-5/8	36-1/4	41-7/8	17-1/2	24-7/8	19-1/8	11	36	63-3/16	11	11	36	63-3/16	117-3/8	171-9/16
D.2000-G20	2805 LBS	218-3/16	58-3/16	58-3/8	53-1/8	5-1/4	72	13-3/4	76-7/16	4-5/8	47	48-7/8	17-1/2	31-3/8	13-3/16	12	43	10	10	43	73-3/16	127-3/8	181-9/16	
D.2500-G25	2820 LBS	218-3/16	58-3/16	58-3/8	53-1/8	5-1/4	72	13-3/4	76-7/16	4-5/8	47	48-7/8	17-1/2	31-3/8	13-3/16	12	43	10	10	43	73-3/16	127-3/8	181-9/16	

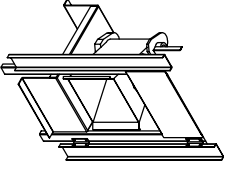
MODEL	BURNER LENGTH	BTU RANGE (MBH)			GAS PRESSURE (KMBH)		GAS CONNECTION		FILTER SIZE & QTY		MAX. FILTER VELOCITY		OPTIONAL MIXING BOX FILTERS	
		BTU LOW	BTU HIGH	MIN	MAX	" (NPT)	" (NPT)	BTU	CFM	"	QTY	"	QTY	
D.250-G10	6'	18	275	7" WC	14" WC	3/4	3/4	20"x25"x2" (3)	3000	CFM = 348	FPM	10"x15"x2" (3)		
D.500-G10	18	550	7" WC	14" WC		3/4		20"x25"x2" (3)	3000	CFM = 348	FPM	10"x15"x2" (3)		
D.250-G15	6'	18	275	7" WC	14" WC			16"x20"x2" (8)	6000	CFM = 428	FPM	20"x25"x2" (2)	16"x25"x2" (1)	
D.500-G15	18	550	7" WC	14" WC				16"x20"x2" (8)	6000	CFM = 428	FPM	20"x25"x2" (2)	16"x25"x2" (1)	
D.750-G15	18	275	825	7" WC	14" WC			16"x20"x2" (8)	6000	CFM = 428	FPM	20"x25"x2" (2)	16"x25"x2" (1)	
D.500-G18	12'	18	550	7" WC	14" WC			20"x25"x2" (8)	8000	CFM = 348	FPM	15"x20"x2" (4)	15"x15"x2" (2)	
D.750-G18	18	275	825	7" WC	14" WC			20"x25"x2" (8)	8000	CFM = 348	FPM	15"x20"x2" (4)	15"x15"x2" (2)	
D.1000-G18	24'	36.6	1100	7" WC	14" WC			20"x25"x2" (8)	8000	CFM = 348	FPM	15"x20"x2" (4)	15"x15"x2" (2)	
D.1000-G20	24'	36.6	1100	7" WC	14" WC			20"x25"x2" (8)	8000	CFM = 348	FPM	15"x20"x2" (4)	15"x15"x2" (2)	
D.1500-G20	30'	45.8	1375	7" WC	5 PSI	1-1/4	1-1/4	16"x20"x2" (15)	13000	CFM = 495	FPM	18"x25"x2" (4)	16"x20"x2" (2)	
D.2000-G25	48'	73.3	2200	7" WC	5 PSI	1-1/2	1-1/2	20"x25"x2" (12)	21000	CFM = 609	FPM	14.5"x19"x2" (12)		
D.2500-G25	60'	91.6	2750	7" WC	5 PSI	1-1/2	1-1/2	20"x25"x2" (12)	21000	CFM = 609	FPM	14.5"x19"x2" (12)		

Direct Fired Profile Plate Specifications:

Description:
Direct fired burners shall have patented US Patent No. US6692292B2, 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 lifting by-product levels to a maximum of 5ppm 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 to prevent flame lift and ensure clean combustion. This feature allows them to operate safely with the burner. All burner units are designed for demand control ventilation (DCV) requirements (recirculating DF heaters).

General Construction:
Burner profile plates shall be 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