

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	WEIGHT	UNIT DIMENSIONS													INTAKE OPENING		DISCHARGE OPENING			
		A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V
D1250-G10	1000 LBS	148-7/8	39-3/8	42-3/4	39	3-3/4	48	7-13/16	77-1/16	3-1/8	16-3/4	21-7/8	5-3/4	17-1/2	16	11	5-3/4	41-1/8	73-1/4	116-3/8
D1500-G10	1005 LBS	148-7/8	39-3/8	42-3/4	39	3-3/4	48	7-13/16	77-1/16	3-1/8	16-3/4	21-7/8	5-3/4	17-1/2	16	11	5-3/4	41-1/8	73-1/4	116-3/8
D1500-G15	1340 LBS	156-7/8	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	42-3/4	12-5/8	5-3/4	41-1/8	81-1/4	123-3/8
D1500-G18	1345 LBS	156-7/8	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	42-3/4	12-5/8	5-3/4	41-1/8	81-1/4	123-3/8
D1750-G15	1350 LBS	156-7/8	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	42-3/4	12-5/8	5-3/4	41-1/8	81-1/4	123-3/8
D1500-G18	1550 LBS	167-7/8	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	41-1/8	86-1/4	128-3/8
D1500-G18	1550 LBS	167-7/8	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	41-1/8	86-1/4	128-3/8
D1000-920	2440 LBS	208-3/16	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	53-3/16	117-3/8	171-9/16
D1500-920	2455 LBS	208-3/16	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	53-3/16	117-3/8	171-9/16
D2000-925	3135 LBS	218-3/16	79-7/16	68-7/16	63-3/16	5-1/4	96	13-3/4	130-3/4	4-5/8	47	48-7/8	7-1/2	45-1/4	43	15-1/5	7-3/8	53-3/16	128-3/8	182-9/16
D2500-925	3150 LBS	218-3/16	79-7/16	68-7/16	63-3/16	5-1/4	96	13-3/4	130-3/4	4-5/8	47	48-7/8	7-1/2	45-1/4	43	15-1/5	7-3/8	53-3/16	128-3/8	182-9/16

UNIT INFORMATION

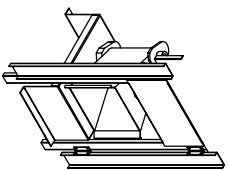
MODEL	BURNER LENGTH	BTU RANGE (MBH)		GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTERS	
		BTU LOW	BTU HIGH	MIN	MAX		*" (NPT)	MIN	MAX	FILTER SIZE & QTY
D1250-G10	6'	18	275	7" WC	14" WC	3/4	3	12.5	20"x25"x2" (3)	3000 CFM = 348 FPM
D1500-G10	12'	18	550	7" WC	14" WC	3/4	3	12.5	20"x25"x2" (3)	3000 CFM = 348 FPM
D1500-G15	6'	18	275	7" WC	14" WC	3/4	5	20	16"x20"x2" (8)	6000 CFM = 428 FPM
D1500-G15	12'	18	550	7" WC	14" WC	3/4	5	20	16"x20"x2" (8)	6000 CFM = 428 FPM
D1750-G15	18'	18	825	7" WC	14" WC	1	5	20	16"x20"x2" (8)	6000 CFM = 428 FPM
D1500-G18	12'	18	550	7" WC	14" WC	1	5	20	16"x20"x2" (8)	6000 CFM = 428 FPM
D1750-G18	18'	18	825	7" WC	14" WC	1	5	20	16"x20"x2" (8)	6000 CFM = 428 FPM
D1000-G18	24'	27.5	1100	7" WC	14" WC	1	10	25	20"x25"x2" (8)	8000 CFM = 348 FPM
D1000-G18	24'	36.6	1100	7" WC	14" WC	1	10	25	20"x25"x2" (8)	8000 CFM = 348 FPM
D1000-920	30'	45.8	1375	7" WC	5 PSI	1-1/4	20	40	16"x20"x2" (15)	13000 CFM = 495 FPM
D1500-920	30'	45.8	1375	7" WC	5 PSI	1-1/4	20	40	16"x20"x2" (15)	13000 CFM = 495 FPM
D2000-925	48'	73.3	2200	7" WC	5 PSI	1-1/2	30	50	20"x25"x2" (12)	21000 CFM = 609 FPM
D2500-925	60'	91.6	2750	7" WC	5 PSI	1-1/2	30	50	20"x25"x2" (12)	21000 CFM = 609 FPM

Direct Fired Profile Plate Specifications

Direct fired burners shall have patented (US Patent No. US662923B2), 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 linking 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 variation of gas pressure and temperature. The burner profile plates are designed to maintain the burner safety standards ANSI Z83.4 and CSA 3.7 (non-recirculating DF heaters) and ANSI Z83.18 (recirculating DF heaters).

General Construction: 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