

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	UNIT DIMENSIONS										CURB	DISCHARGE OPENING			
	A	B	C	D	E	F	G	H	J	K		N	P	R	S
D.250-G10	690	106-5/8	27-3/8	29-3/4	26-1/16	3-3/4	44-3/8	7-13/16	34-13/16	21	71	13-1/4	11-1/2	3-7/8	5-9/16
D.500-G10	695	106-5/8	27-3/8	29-3/4	26-1/16	3-3/4	44-3/8	7-13/16	34-13/16	21	71	13-1/4	11-1/2	3-7/8	5-9/16
D.250-G15	975	114-5/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16
D.500-G15	980	114-5/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16
D.750-G15	985	114-5/8	37-3/8	36-3/4	33-1/16	3-3/4	53-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16
D.500-G18	1135	125-5/8	41-3/8	43-3/8	38-1/16	5-1/4	51-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16
D.750-G18	1140	125-5/8	41-3/8	43-3/8	38-1/16	5-1/4	51-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16
D.1000-G18	1145	125-5/8	41-3/8	43-3/8	38-1/16	5-1/4	51-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16
D.1000-G18	1145	125-5/8	41-3/8	43-3/8	38-1/16	5-1/4	51-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16
D.1500-G18	1445	153-7/8	48-1/2	51-3/8	46-1/8	5-1/4	76-3/8	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8
D.1500-G18	1445	153-7/8	48-1/2	51-3/8	46-1/8	5-1/4	76-3/8	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8
D.2000-G18	1885	153-7/8	48-1/2	51-3/8	46-1/8	5-1/4	76-3/8	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8
D.2000-G18	1885	153-7/8	48-1/2	51-3/8	46-1/8	5-1/4	76-3/8	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8
D.2500-G18	2455	163-7/8	59-3/16	58-3/8	53-1/8	5-1/4	71-3/8	13-3/4	76-7/16	52-3/4	125-3/16	31-3/8	31-3/8	10-11/16	12-7/8
D.2500-G18	2455	163-7/8	59-3/16	58-3/8	53-1/8	5-1/4	71-3/8	13-3/4	76-7/16	52-3/4	125-3/16	31-3/8	31-3/8	10-11/16	12-7/8

UNIT INFORMATION

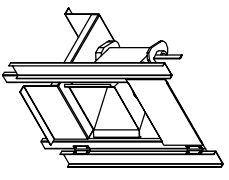
MODEL	BTU RANGE (AMB)			GAS PRESSURE		GAS CONNECTION		FILTERS	
	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"T" (NPT)	FILTER SIZE & QTY	MAX. FILTER VELOCITY	
D.250-G10	6'	18	275	7" WC	14" WC	3/4	20"x25"x2" (3)	3000 CFM = 348 FPM	
D.500-G10	12'	18	550	7" WC	14" WC	3/4	20"x25"x2" (3)	6000 CFM = 428 FPM	
D.250-G15	6'	18	275	7" WC	14" WC	3/4	16"x20"x2" (8)	428 FPM	
D.500-G15	12'	18	550	7" WC	14" WC	3/4	16"x20"x2" (8)	428 FPM	
D.750-G15	18'	18	825	7" WC	14" WC	1	16"x20"x2" (8)	428 FPM	
D.500-G18	12'	18	550	7" WC	14" WC	1	20"x25"x2" (8)	348 FPM	
D.750-G18	18'	18	825	7" WC	14" WC	1	20"x25"x2" (8)	348 FPM	
D.1000-G18	24'	24	1100	7" WC	14" WC	1	20"x25"x2" (8)	348 FPM	
D.1000-G18	24'	24	1100	7" WC	14" WC	1	20"x25"x2" (8)	348 FPM	
D.1500-G18	30'	30	1375	7" WC	14" WC	1-1/4	16"x20"x2" (15)	495 FPM	
D.1500-G18	30'	30	1375	7" WC	14" WC	1-1/4	16"x20"x2" (15)	495 FPM	
D.2000-G18	48'	48	2200	7" WC	14" WC	1-1/2	20"x25"x2" (12)	609 FPM	
D.2000-G18	48'	48	2200	7" WC	14" WC	1-1/2	20"x25"x2" (12)	609 FPM	
D.2500-G18	60'	60	2750	7" WC	14" WC	1-1/2	20"x25"x2" (12)	609 FPM	
D.2500-G18	60'	60	2750	7" WC	14" WC	1-1/2	20"x25"x2" (12)	609 FPM	

Direct Fired Profile Plate Specifications

Direct fired burners shall have patented US Patent No. US669232B2, 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 hitting by-product levels to a maximum of 9ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of the burner flame. The burner profile plates are designed to maintain a constant air velocity. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.

General Construction: Profile plates shall be formed from 590 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