

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			
D.250-G10	645 LBS	106-5/8	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	21-7/8	5-3/4	13-1/4	11-1/2	6-3/8	7-1/4	31-1/8	73-1/4			
D.500-G10	650 LBS	106-5/8	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	21-7/8	5-3/4	13-1/4	11-1/2	6-3/8	7-1/4	31-1/8	73-1/4			
D.250-G15	910 LBS	114-5/8	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	28-7/8	5-3/4	18-3/4	16	8-5/8	10	39-1/8	81-1/4			
D.500-G15	915 LBS	114-5/8	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	28-7/8	5-3/4	18-3/4	16	8-5/8	10	39-1/8	81-1/4			
D.750-G15	920 LBS	114-5/8	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	28-7/8	5-3/4	18-3/4	16	8-5/8	10	39-1/8	81-1/4			
D.500-G18	1045 LBS	125-5/8	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	33-7/8	7-1/2	22	19	9	12	44-1/8	86-1/4			
D.750-G18	1050 LBS	125-5/8	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	33-7/8	7-1/2	22	19	9	12	44-1/8	86-1/4			
D.1000-G18	1055 LBS	125-5/8	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	33-7/8	7-1/2	22	19	9	12	44-1/8	86-1/4			
D.1000-G20	1660 LBS	153-7/8	48-7/16	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	7-1/2	24-7/8	24-7/8	11-1/16	12-1/4	63-3/16	117-3/8			
D.1500-G20	1675 LBS	153-7/8	48-7/16	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	7-1/2	24-7/8	24-7/8	11-1/16	12-1/4	63-3/16	117-3/8			
D.2000-G25	2230 LBS	163-7/8	59-3/16	58-3/8	53-1/8	5-1/4	72	13-3/4	76-7/16	4-5/8	48-7/8	7-1/2	31-3/8	31-3/8	13-3/16	14-1/2	73-3/16	127-3/8	127-3/8			
D.2500-G25	2245 LBS	163-7/8	59-3/16	58-3/8	53-1/8	5-1/4	72	13-3/4	76-7/16	4-5/8	48-7/8	7-1/2	31-3/8	31-3/8	13-3/16	14-1/2	73-3/16	127-3/8	127-3/8			

UNIT INFORMATION:

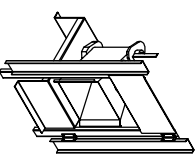
MODEL	BURNER LENGTH	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION	FILTERS		
		BTU LOW	BTU HIGH	MIN	MAX	W" (NPT)		SIZE	QTY	MAX. FILTER VELOCITY
D.250-G10	6"	18	275	7" W/C	14" W/C	3/4	20"x25"x2"	(3)	348 FPM	
D.500-G10	12"	18	550	7" W/C	14" W/C	3/4	20"x25"x2"	(3)	348 FPM	
D.250-G15	12"	18	275	7" W/C	14" W/C	3/4	16"x20"x2"	(8)	428 FPM	
D.500-G15	12"	18	550	7" W/C	14" W/C	1	16"x20"x2"	(8)	428 FPM	
D.750-G15	18"	27.5	825	7" W/C	14" W/C	1	16"x20"x2"	(8)	428 FPM	
D.500-G18	12"	18	550	7" W/C	14" W/C	1	20"x25"x2"	(8)	348 FPM	
D.750-G18	18"	27.5	825	7" W/C	14" W/C	1	20"x25"x2"	(8)	348 FPM	
D.1000-G18	24"	36.6	1100	7" W/C	14" W/C	1	20"x25"x2"	(8)	348 FPM	
D.1500-G20	24"	36.6	1100	7" W/C	14" W/C	1-1/4	16"x20"x2"	(15)	495 FPM	
D.2000-G25	30"	45.8	1375	7" W/C	14" W/C	1-1/4	16"x20"x2"	(15)	495 FPM	
D.2500-G25	48"	73.3	2200	7" W/C	14" W/C	1-1/2	20"x25"x2"	(12)	609 FPM	
D.2500-G25	60"	91.6	2750	7" W/C	14" W/C	1-1/2	20"x25"x2"	(12)	609 FPM	

Direct Fired Profile Plate Specifications

**Description:**  
Direct fired burners shall have patented US Patent No. US6629258B2, 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 50ppm of carbon monoxide (CO), and 50ppm of nitrogen dioxide (NO2).

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

**General Construction:**  
Profile plates shall be formed from 690 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. Profile design shall incorporate properly torqued, permanently mounted spring hinges.



Direct Fired (DF) Profile Plate Assembly