

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	A	B	BB	C	CC	D	DD	E	EE	F	G	H	I	J	K	L	N	P	R	S	T	U	V	X
D.250-G10	181-1/8	87-3/8	36-3/4	29-3/4	36-3/4	26-1/16	33	3-3/4	3-3/4	53-5/8	7-13/16	34-13/16	21	71	102-7/16	13-1/4	11-1/2	3-7/8	1-3/4	14	8	14	12-1/2	18
D.500-G10	181-1/8	87-3/8	36-3/4	29-3/4	36-3/4	26-1/16	33	3-3/4	3-3/4	53-5/8	7-13/16	34-13/16	21	71	102-7/16	13-1/4	11-1/2	3-7/8	1-3/4	14	8	14	12-1/2	18
D.250-G15	195-1/8	97-3/8	40-3/4	32-3/4	40-3/4	33-1/16	38-1/8	3-3/4	5-1/4	51-5/8	7-13/16	42-13/16	31	79	115-7/16	18-3/4	16	6-1/8	5-1/2	22-3/4	8	11	7-1/2	24
D.500-G15	195-1/8	97-3/8	40-3/4	32-3/4	40-3/4	33-1/16	38-1/8	3-3/4	5-1/4	51-5/8	7-13/16	42-13/16	31	79	115-7/16	18-3/4	16	6-1/8	5-1/2	22-3/4	8	11	7-1/2	24
D.750-G15	195-1/8	97-3/8	40-3/4	32-3/4	40-3/4	33-1/16	38-1/8	3-3/4	5-1/4	51-5/8	7-13/16	42-13/16	31	79	115-7/16	18-3/4	16	6-1/8	5-1/2	22-3/4	8	11	7-1/2	24
D.500-G18	203-1/8	103-1/8	44-7/8	38-1/8	46-1/8	46-1/8	46-1/8	5-1/4	5-1/4	57-1/8	8-1/2	47-13/16	35	84	123-7/16	22	19	6-1/2	7	28	8	7	4-1/2	30
D.750-G18	203-1/8	103-1/8	44-7/8	38-1/8	46-1/8	46-1/8	46-1/8	5-1/4	5-1/4	57-1/8	8-1/2	47-13/16	35	84	123-7/16	22	19	6-1/2	7	28	8	7	4-1/2	30
D.1000-G18	203-1/8	103-1/8	44-7/8	38-1/8	46-1/8	46-1/8	46-1/8	5-1/4	5-1/4	57-1/8	8-1/2	47-13/16	35	84	123-7/16	22	19	6-1/2	7	28	8	7	4-1/2	30
D.1000-G20	243-9/16	148-7/16	58-5/8	51-3/8	58-3/8	46-1/8	53-1/8	5-1/4	5-1/4	71-3/8	13-9/16	66-5/16	42	115-3/16	163-3/16	24-7/8	24-7/8	8-9/16	1-1/8	33	10	11	8	36
D.2000-G25	253-9/16	158-7/8	64-7/8	58-3/8	64-7/8	53-1/8	61-1/8	5-1/4	5-1/4	81-1/8	17-1/2	81-1/8	43	125-3/16	179-15/16	31-3/8	31-3/8	10-1/16	3-13/16	43	10	11	8	36
D.2500-G25	253-9/16	158-7/8	64-7/8	58-3/8	64-7/8	53-1/8	61-1/8	5-1/4	5-1/4	81-1/8	17-1/2	81-1/8	43	125-3/16	179-15/16	31-3/8	31-3/8	10-1/16	3-13/16	43	10	11	8	36

UNIT INFORMATION

MODEL	BURNER LENGTH	BTU (DN) BTU (UP)	RANGE (GPH)	MIN. HIGH	MAX. HIGH	GAS PRESSURE	GAS CONNECTION	GPR	CELDEK EVAPORATIVE COOLING UNIT	V-BANK FILTER	WATER INLET	DRAIN OPENING	OPTIONAL MIXING BOX FILTERS
D.250-G10	6"	18	2/5	7"	14"	WC	3/4"	100	18x20x2" (8)	4-1/2	38-1/2	48-1/4	10"x16"x2" (5)
D.500-G10	12"	18	5/50	7"	14"	WC	3/4"	105	25"x32"x12" (8)	4-1/2	38-1/2	48-1/4	10"x16"x2" (5)
D.250-G15	6"	18	2/5	7"	14"	WC	3/4"	147.5	30"x36"x12" (8)	4-1/2	44	20"x25"x2" (8)	
D.500-G15	12"	18	5/50	7"	14"	WC	3/4"	148.0	30"x36"x12" (8)	4-1/2	44	20"x25"x2" (8)	
D.750-G15	18"	27.5	825	7"	14"	WC	1"	148.5	30"x36"x12" (8)	4-1/2	44	20"x25"x2" (8)	
D.500-G18	12"	18	5/50	7"	14"	WC	3/4"	195.0	38"x43"x12" (15)	4-1/2	44	20"x25"x2" (8)	
D.750-G18	18"	27.5	825	7"	14"	WC	1"	191.5	38"x43"x12" (15)	4-1/2	44	20"x25"x2" (8)	
D.1000-G18	24"	36.6	1100	7"	14"	WC	1-1/4"	278.5	45"x54"x12" (12)	4-1/2	41-1/8	23-1/2	15"x20"x2" (4)
D.1000-G20	30"	45.8	1375	7"	14"	WC	1-1/4"	280.0	45"x54"x12" (12)	4-1/2	41-1/8	23-1/2	15"x20"x2" (4)
D.2000-G25	48"	73.3	2200	7"	14"	WC	1-1/2"	353.0	45"x72"x12" (12)	4-1/2	41-1/8	28-7/8	18"x25"x2" (4)
D.2500-G25	60"	91.6	2750	7"	14"	WC	1-1/2"	354.5	45"x72"x12" (12)	4-1/2	41-1/8	28-7/8	14.5"x19"x2" (12)

CELDEK EVAPORATIVE COOLING UNIT

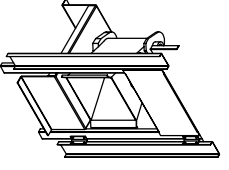
Direct fired burners shall have patented DIS Patent No. US6699238B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by hitting product levels to a maximum of 5ppm of carbon monoxide (CO), and 50ppm of nitrogen dioxide (NO2).

Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of the gas stream, making them ideal for applications where mechanical adjustment is required. Profile plates are designed for standard control ventilation (CV) requirements.

Reference: All assemblies shall be included in the JP unit's ETL listing and comply with combined UL and/or standards ANSI Z83.4 and CSA 37 (non-recirculating JP heaters) and ANSI Z83.18 (recirculating JP heaters).

General Construction

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 proper torque, permanently mounted spring hinges.



Direct Fired (DF) Profile Plate Assembly