

Dimensions | 6796 Magna-Flame™

Burner Designation	Dimensions in Inches and Degrees																			
	A	B	C	D	E	F	G°	H°	I ^④	J	K	L	M	N	O	P	Q	R	S°	T°
6796-12-46	12	4	0.75	24.25	26	16	11.25	22.5	18	14	14.75	15	14.56	53.63	1.00	17	12	12.25	15	30
6796-14-46	14	6	0.75	25.25	27	16	11.25	22.5	20	14.5	14.75	18	15.75	57.88	1.13	18.75	12	13.88	15	30
6796-16-46	16	6	0.75	27	28.75	20	9	18	22	15.5	14.81	19	17.88	61.75	1.13	21.25	16	15.88	11.25	22.5
6796-18-46	18	6	0.75	29	30.75	20	9	18	24	16.5	14.81	19.5	18.25	62.38	1.25	22.75	16	17.88	11.25	22.5
6796-20-46	20	8	0.88	31	32.75	20	9	18	26	18.5	14	20	20.75	66.63	1.25	25	20	19.88	9	18
6796-22-46	22	8	0.88	33.5	35.25	20	9	18	28	19.5	14	21	21.88	70.50	1.25	26	20	21.88	9	18
6796-24-46	24	8	0.88	35.5	37.75	24	7.5	15	30	20.5	14	22	22.88	72.13	1.38	29.5	20	23.88	9	18

Burner Designation	Arrangement Designators															Atomizer Designation	Pilot Assy. Designation	Weight lbs.
	U	V	W	X°	Y°	Z	AA	BB	CC	DD	EE	FF	GG	HH	II			
6796-12-46	19.0	0.75	7.50	22.5	45	8	9	12.5	1.5	1.00	3.06	17.12	½	¾	94.00	5646-1-110	4014-2-T	430
6796-14-46	21.0	0.88	9.50	22.5	45	8	11	14.75	2.0	1.25	2.50	17.12	½	¾	94.25	5646-2-150	4014-3-AT	485
6796-16-46	23.5	0.88	9.50	22.5	45	8	11	17	2.0	1.25	2.88	17.31	¾	2	100.75	5646-2-195	4014-3-AT	585
6796-18-46	25.0	0.88	9.50	22.5	45	8	11	19.25	2.0	1.50	2.88	17.12	¾	2	102.75	5646-3-250	4014-3-AT	625
6796-20-46	27.5	0.88	11.75	22.5	45	8	13.5	21.5	2.0	1.50	2.88	18.31	¾	2	111.50	5646-3-320	4014-3-BT	730
6796-22-46	29.5	0.88	11.75	22.5	45	8	13.5	24	2.0	1.50	2.88	20.06	¾	2	115.25	5646-3-380	4014-3-BT	820
6796-24-46	32.0	0.88	11.75	22.5	45	8	13.5	26	2.0	1.50	2.88	19.69	¾	2	119.75	5646-3-450	4014-3-BT	880

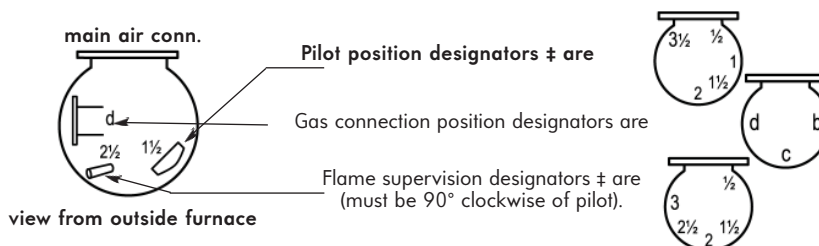
④ Furnace opening should be ½" larger than dimension I for sizes -12 through -16 and ¾" larger than dimension I for sizes -18 through -24.

⑤ Flat face companion ANSI flange available upon request.

⑥ For tiles longer than 15" consult North American.

Arrangement Designators are specified relative to the main air connection at 12 o'clock and should be listed for pilot, gas, and flame supervision in that order.

Atomizer connections need not be specified because they can be rotated in the field.



#Good practice dictates that neither pilot nor flame detector be below the centerline of a horizontally-mounted burner.

ORDER MUST SPECIFY: (1) Burner designation (such as 6796-16-46); (2) Arrangement designation for pilot, gas and flame safety positions in that order such as: 6796-16-46, arrangement 1½ d 2½ (for the arrangement shown above).

WARNING: Situations dangerous to personnel and property may exist with the operation and maintenance of any combustion equipment. The presence of fuels, oxidants, hot and cold combustion products, hot surfaces, electrical power in control and ignition circuits, etc., are inherent with any combustion application. Components in combustion systems may exceed 160°F (71°C) surface temperatures and present hot surface contact hazard. Fives North American Combustion, Inc. suggests the use of combustion systems that are in compliance with all Safety Codes, Standards, Regulations and Directives; and care in operation.

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