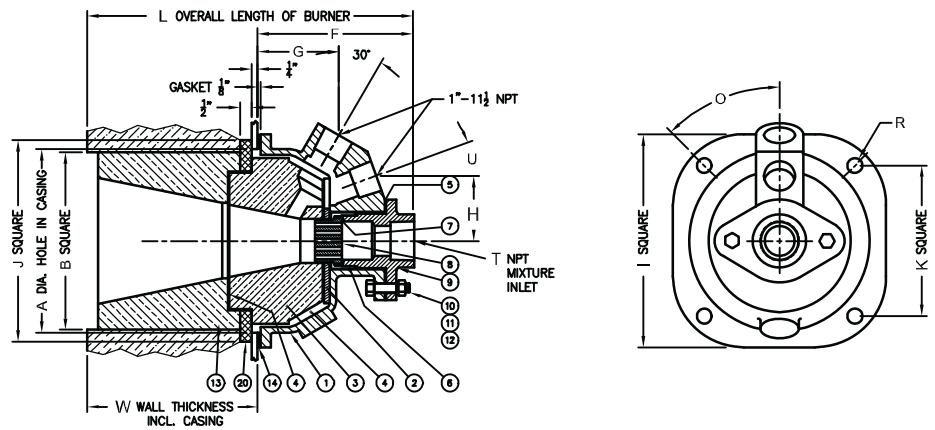
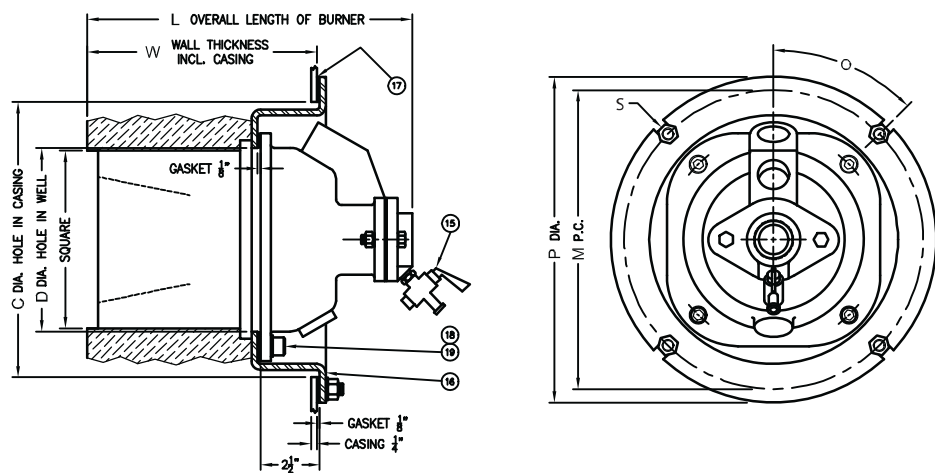


Refrak Screen Burners (temperatures up to 2100° F)

RSA Refrak Screen Burner



RSA Refrak Screen Burner With Well



Parts List

Index No.	No. Req'd.	Description	Index No.	No. Req'd.	Description
1	1	Burner Body	11	2	3/8 in. Hex. Nut
2	1	Body Insulation	12	2	3/8 in. Washer
3	1	Tunnel	13	1	Burner Block
4	-	Cement (Breakable)	14	1	Gasket (Body)
5	1	Gasket	15	1	1/8 in. Pressure Test Valve
6	1	Ring	16	1	Well
7	1	Gasket	17	1	Gasket (Well)
8	1	Screen	18	4	1/2 in. Socket Hd. Cap Screw
9	1	Screen Holder	19	4	1/2 in. Lockwasher
10	2	3/8 in. Hex. Head Bolt	20	1	Insulating Ring

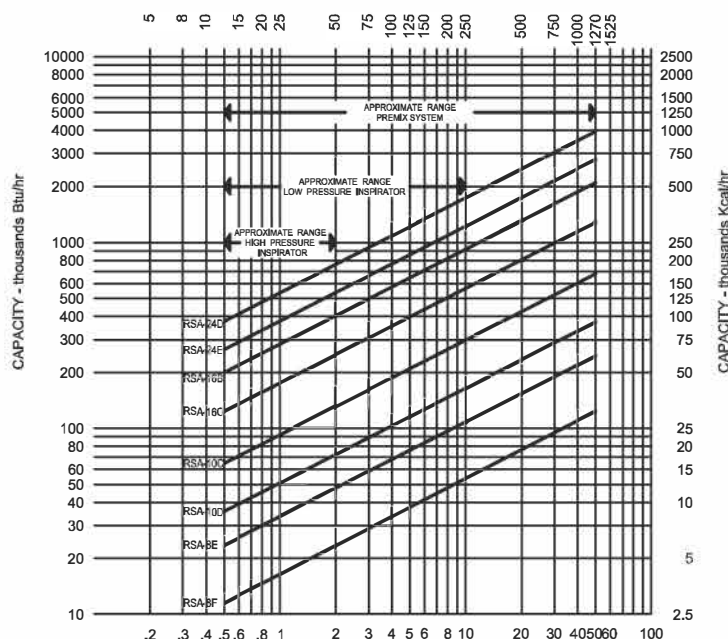
RSA Burner Selection

Step 1

Select appropriate burner size from selection chart.

Example: Burner requirement is 150,000 Btu (37,500 Kcal); operating pressure is 6" w.c.

Sample burner size designation: RSA-10C



Dimension Schedule

Furnace Wall Thickness			
From	From	From	From
6 3/4"	8 1/4"	9 3/4"	10 3/4"
(171)	(210)	(248)	(273)
to	to	to	to
7 3/4"	9 1/4"	10 1/4"	12 1/4"
(197)	(235)	(260)	(311)
-1	-2	-1W*	-2W*

Step 2

Select suffix consistent with furnace-wall thickness from dimension schedule (in inches/ millimeters).

Example: Furnace wall thickness of 11 inches.

A furnace wall 11 inches thick falls within the dimensions listed in the fourth column. Thus the suffix "2W" applies. Continuing the example used in Step 1, the number is now RSA-10C-2W.

Burner Size	L				Port Area Sq. In.	A	B	C	D	F	G	H	I	J	K	M	O	P	R	S	T	U
RSA-8E	13 1/2"	15"	13 1/2"	15"	.246	6 1/2"	6"	10 3/8"	6 1/2"	6 3/4"	3 5/16"	2 7/16"	7 3/4"	7"	5 1/2"	11 3/8"	45°	12 1/2"	1)	2)	1	20°
RSA-8F	(343)	(381)	(343)	(381)	.118	(165)	(152)	(263)	(165)	(171)	(84)	(62)	(197)	(178)	(140)	(289)		(317)				
RSA-10C	13 1/2"	15"	13 1/2"	15"	.616	7 3/4"	7 1/2"	11 5/8"	7 3/4"	6 3/4"	3 5/16"	2 3/4"	9"	8 1/2"	6 3/8"	12 5/8"	45°	13 3/4"	2)	2)	1 1/4	20°
RSA-10D	(343)	(381)	(343)	(381)	.410	(197)	(190)	(295)	(197)	(171)	(84)	(70)	(228)	(216)	(162)	(321)		(349)				
RSA-16B	13 5/8"	15 1/8"	13 5/8"	15 1/8"	1.760	8 1/2"	9"	12 5/8"	8 1/2"	6 7/8"	3 5/8"	3 9/16"	10 1/8"	9"	7 1/8"	13 5/8"	60°	14 3/4"	2)	3)	2	25°
RSA-16C	(346)	(384)	(346)	(384)	1.180	(216)	(228)	(321)	(216)	(175)	(92)	(90)	(257)	(228)	(181)	(346)		(375)				
RSA-24D	14"	15 1/2"	14"	15 1/2"	3.730	9 1/2"	9"	13 3/4"	9 1/2"	7 _"	3 7/8"	4 1/4"	11"	10"	7 7/8"	14 3/4"	60°	15 7/8"	2)	3)	3	25°
RSA-24E	(355)	(394)	(355)	(394)	2.850	(243)	(228)	(349)	(243)	(184)	(99)	(108)	(279)	(254)	(200)	(375)		(403)				

* With Well
() = mm

- 1) Four 3/8-inch 16 NC 1 1/4 LG. stud, washer, and nut by customer.
 - 2) Four 1/2-inch 13 NC 1 1/4 LG. stud, washer and nut by customer.
 - 3) Six 1/2-inch 13 NC 1 1/4 LG. stud, washer and nut by customer.
- Note: 3/8-inch = 10 mm; 1/2-inch = 13 mm.

Step 3

The Selas RSA Burner is available with the three options shown. Select the design configuration best suited to your requirements and add the applicable suffix number to complete the burner designation.

Example: If the burner should have lighting hole and sight port, add 1 to number. That is, RSA-10C-2W-1.

Step 3: Select From These Burner Options

