

AH-MA Series Air Heat Burners Worksheet

Ordering Information

In designing your system, the following must be completed:

• Use page 2 to sketch your system:

Follow the instructions on page 2 for designing a burner sytem. Be certain to use the appropriate symbol for each burner and plate section in laying out your application. Also, include the corresponding number for each symbol; numbering each symbol will help in determining the quantity you must order for each respective burner and end plate section. If necessary, refer to the burner sketch example on page 4.

Use page 3 to determine quantities:

After sketching out your system and numbering the symbols, add the number of each respective symbol used and enter that sum in the "Selection" column of the corresponding Table on page 3 (if necessary, please refer to the example on page 4).

How pricing is determined:

See the 160 AH-MA Config price list for current price information.

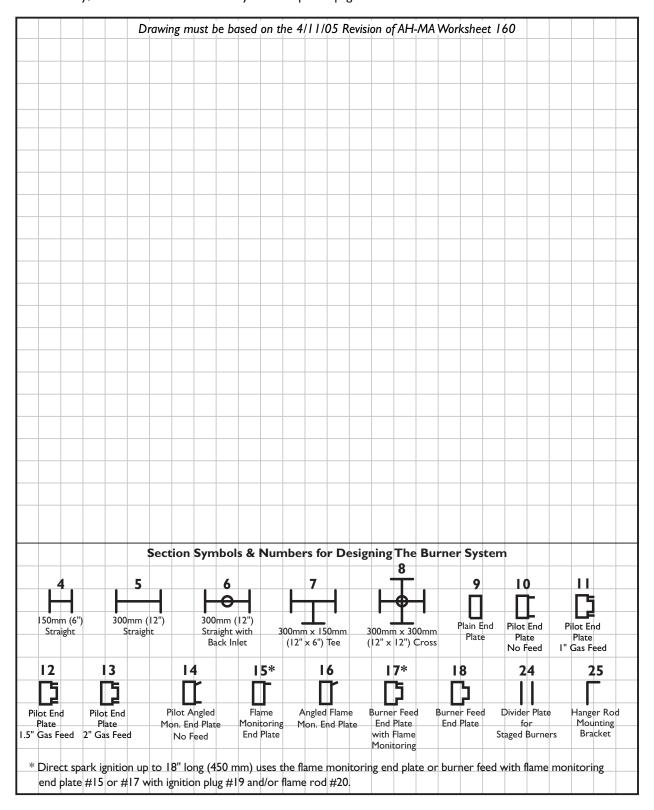


Graph for Designing Burner System

Flame direction is into the page (as if viewing the back of burner).

Use the appropriate section symbols and numbers as shown.

Determine the sum of each numbered section and add that number in the corresponding Table number on page 3. If necessary, refer to the burner sketch layout example on page 4.



- Determine the sum of each numbered section on page 2 and add that number in the corresponding Table number below.
- Tables 1 through 15 apply to the overall burner system layout and the necessary figures to achieve it.
- Tables 16 through 22 deterrmine the costs of the overall burner systm.
- If necessary, refer to the ordering list example on page 4

Table No.		Descriptio	n		Selection	Lineal Ft. Multiplier		
ı	Gas Manifold Aluminum Corrosion Resistant Cl Cast Iron	Pressure Standard Standard Low	Gas Ports Ø2.0mm Ø2.0mm Ø2.4mm	Option A C L	CF			
	Aluminum Cast Iron	Low Standard	Ø2.4mm Ø2.0mm	P S				
2	Assembled system (ent	er A) or Indi	vidual sections	(enter I)				
3	B.S.P. (enter B) or N.P.T	(enter N) p	ipe threads					
4	Number of 150mm stra	ight sections	S			X 0.5 =		
5	Number of 300mm straight sections					X 1.0 =		
6	Number of 300mm straight section with back inlet					X 1.0 =		
7	Number of 150mm straight section with back inlet Number of 150mm by 300mm tee sections					X 1.5 =		
8	Number of 300mm by					X 2.0 =		
9	Number of plain end pl	ates						
10	Number of pilot end pl	ates with no	feed					
- 11	Number of pilot end pl	ates with I"	Gas Feed					
12	Number of pilot end pl	ates with 1.5	" Gas Feed					
13	Number of pilot end pl	ates with 2"	Gas Feed					
14	Number of pilot angled	flame monit	oring end plate	es				
15	Number of flame monit							
16	Number of angled flame	_						
17	Number of burner feed		with flame mor	nitoring				
18	Number of burner feed	-	dd Tablas 4 thi	cough IO si	ubtotals for t	otal lineal foo)+)	
	Total lineal feet of burner system (add Tables 4 through 10 subtotals for total lineal feet) cost per lineal foot for aluminum burner bodies (A, P)							
	cost per lineal foot for auminum burner bodies (A, P)							\$ \$
	cost per lineal foot fo						× =	\$
19	Number of igntion plug	s (must use	with items 10	- 14)		x	/each =	\$
20	Number of flame rods					x	/each =	\$
21	Number of U.V. scanne	adapters, I	′2" N.P.T			x	/each =	\$
22	Number of U.V. scanne	adapters, 3/	/4" N.P.T. (use	e w/ #15 o	r #17 only)	x	/each =	\$
23	Number of U.V. scanne	adapters, I'	' N.P.T. (use	e w/ #15 o	r #17 only)	x	/each =	\$
24	Number of divider plate	es for staging	<u> </u>			x	/each =	\$
25	Number of hanger rod	mounting br	ackets			x	/each =	\$
26	Certified drawing charg	e					=	\$
	TOTAL LIST PRICE SCHEDULE I DISCOU TOTAL NET PRICE	NT MULTIPI					x	\$ \$

Burner Sketch & Ordering List Example

In this example, the sketch depicts a two stage burner with flame rod flame detection on both stages. The ordering list summarizes the component quantities of the system drawn in the sketch.

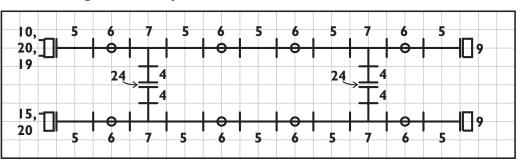


Table No.		Description	1		Selection	Lineal Ft. Multiplier	Lineal Ft. Subtotal	
		Pressure	Gas Ports	0-4	Sciection	Traicipilei	Jubtotai	
	Gas Manifold Aluminum	Standard	Ø2.0mm	Option A				
1.	Corrosion Resistant CI	Standard	Ø2.0mm	C	CF			
	Cast Iron	Low	Ø2.4mm	L				
	Aluminum	Low	Ø2.4mm	Р				
	Cast Iron	Standard	Ø2.0mm	S	S			
2	Assembled system (ent	er A) or Indi	vidual sections	(enter I)	A			
3	B.S.P. (enter B) or N.P.T (enter N) pipe threads							
4	Number of 150mm straight sections				4	X 0.5 =	_2	
5	Number of 300mm straight sections				_10	X 1.0 =	_10	
6	Number of 300mm straight section with back inlet					X 1.0 =	8	
7	Number of I50mm by 300mm tee sections				4	X 1.5 =	6	
8	Number of 300mm by 300mm cross sections					X 2.0 =	_0_	
9	Number of plain end plates							
10	Number of pilot end plates with no feed							
П	Number of pilot end plates with I" Gas Feed							
12	Number of pilot end plates with 1.5" Gas Feed				0			
13	Number of pilot end plates with 2" Gas Feed							
14	Number of pilot angled flame monitoring end plates							
15	Number of flame monitoring end plates							
16	Number of angled flame monitoring end plates							
17	Number of burner feed end plates with flame monitoring				0			
18	Number of burner feed end plates0_							
	Total lineal feet of burner system (add Tables 4 through 10 subtotals for total lineal feet)							
	cost per lineal foot for aluminum burner bodies (A, P) x <u>0</u> =							\$0
	cost per lineal foot for cast iron burner bodies (L, S) $\ \ldots \ldots$					>	x <u>26</u> =	\$
	cost per lineal foot for	foot for optional corrosion resistant burner bodies (C) x0 =						\$0
19	Number of igntion plugs (must use with items 10 - 14) x /each =						/each =	\$
20	Number of flame rods					<u>2</u> ×	/each =	\$
21	Number of U.V. scanner adapters, I/2" N.P.T					/each =	\$0	
22	Number of U.V. scanner adapters, 3/4" N.P.T. (use w/ #15 or #17 only) $\underline{0}$ x /each =						/each =	\$0
23	Number of U.V. scanner adapters, I" N.P.T. (use w/ #15 or #17 only)0_ x /each =						/each =	\$
24	Number of divider plates for staging						\$	
25	Number of hanger rod mounting bracketsx /each =						\$	
26	Certified drawing charg	e					=	\$
	TOTAL LIST PRICE						=	\$

^{*} Contact Factory



Offered By:

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