

- Unitized tube bank design
- Maximum protection and efficiency with minimum pressure drop
- Wide range of standard construction materials.
- Quick, easy inspection and maintenance due to simple removal of tube bank.
- Complete range of sizes from 2" through 12"
Consult factory for larger sizes

The Shand & Jurs Model 94307 Horizontal Flame Arrester

The Shand & Jurs Model 94307 Horizontal Flame Arrester is designed to provide a positive flame stop in gas piping systems. Model 94307 not only provides exceptional protection against propagation of fire, but also offers maximum flow capacity. It is specifically designed to prevent liquid accumulation in the tube bank assembly.

The tube bank design, consisting of a spiral wound crimped ribbon around a solid core, maximizes flow capacity with minimum pressure drop. Standard construction includes cast aluminum, cast steel and 316 stainless steel body materials suitable for most environments. The tube bank is available in aluminum, 304 stainless steel

and 316 stainless steel as standard. Gasketed for maximum 5 psig static pressure. For higher static pressure consult factory.

Periodic inspection, maintenance and replacement of tube bank is as simple as removing tie-bolts and expanding the remaining jack screws. Once the body sections are expanded, the tube bank and shell are easily removed.

Available with flat face flanges for aluminum or raised face flanges for cast steel and stainless steel to match ANSI, DIN, or JIS 10K specifications.

SPECIFICATIONS:

Sizes:2", 3", 4", 6", 8",
10" and 12"

Max Static Pressure: 5 psig standard.
For higher static pressure consult factory.

Flange:.....To match drilling of ANSI
150 lb. flat face or 150 lb.
raised face flange (cast
aluminum body option
available with flat face only).
DIN and JIS 10K Options.

Gas Application:.....NEC Group D

MATERIALS OF CONSTRUCTION:

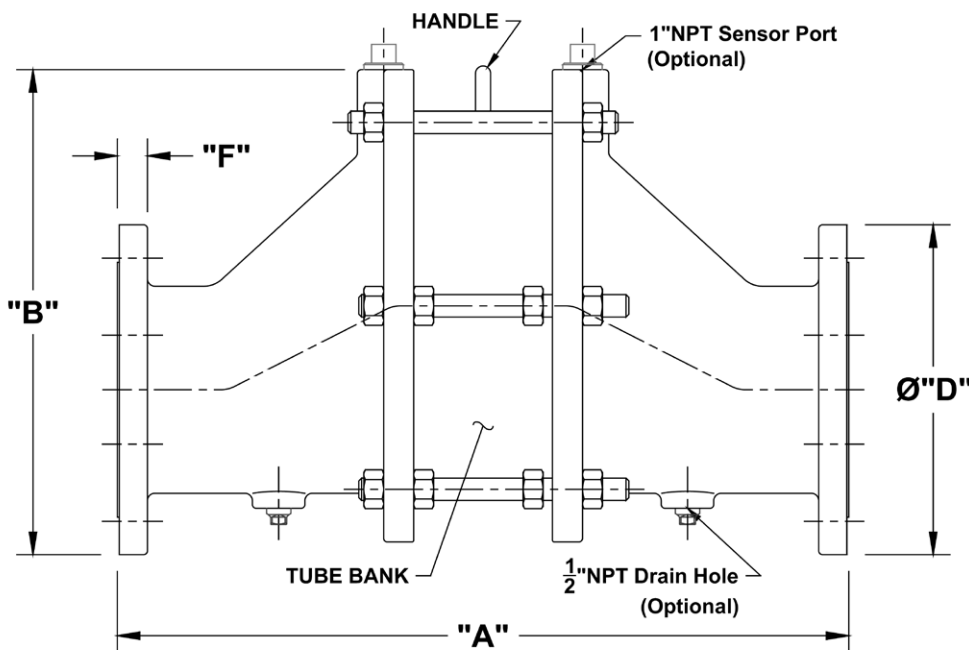
Body:Cast Aluminum, Cast Steel
or 316 Stainless Steel

Tube Bank:Aluminum 304 or 316
Stainless Steel

Hardware:.....Zinc-plated Steel (STD)
or 316 Stainless Steel for
316 SS Bodies

Gaskets:Synthetic Composition

Dimensions in Inches							
Size	"A"	"B"	Diameter "C"	Diameter "D"	"E"	"F"	Diameter "G"
2"	14 1/2	8 5/32	2 1/4	6	1 9/32	5/8	3 5/8
3"	16	10 11/16	3 3/16	7 1/2	1 13/16	3/4	5
4"	20	12 3/16	4 1/8	9	2 1/4	15/16	6 3/16
6"	24 3/8	16 11/64	6 5/32	11	2 51/64	1	8 1/2
8"	32 1/8	20 7/8	8 1/4	13 1/2	3 7/8	1 1/8	10 5/8
10"	33 3/8	24 3/4	10 1/4	16	4 5/8	1 3/16	12 3/4
12"	34 3/8	29 5/16	12 3/8	19	5 9/16	1 1/4	15

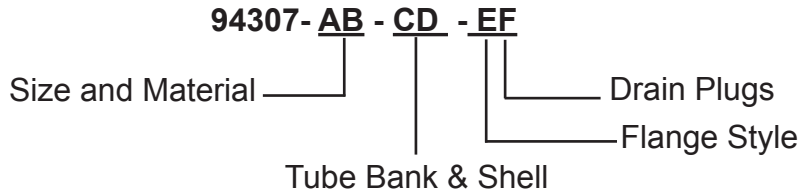


Installation Note: Locate flame arrester within 10 pipe diameters of potential atmospheric ignition source.

All designs subject to change. Certified dimensions and specifications available upon request

MODEL NUMBER SELECTION:

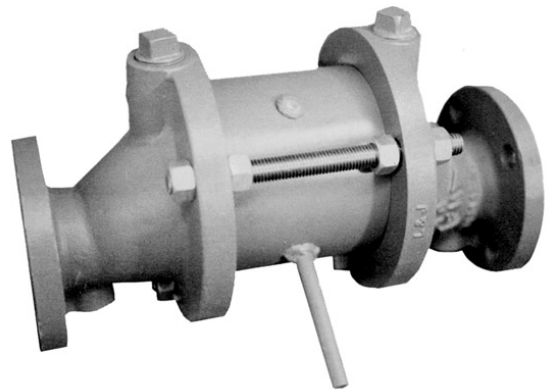
The model number will consist of a base number 94307 followed by three 2 digit numbers which represent the options listed in the following tables.



ORDERING INFORMATION

Specify:

1. Model 94307 Flame Arrester
2. Size and Body Material
3. Tube Bank and Shell Material
4. Type of Flange Option
5. Special Materials or Coatings, If Required



TABLES I & II

TABLE I (AB)- SIZE & MATERIAL

TABLE II (CD) - TUBE BANK AND SHELL

OPTION #	SIZE (INCHES)	BODY MATERIAL	OPTION #	TUBE BANK MATERIAL	SHELL MATERIAL
12	2	ALUMINUM	11	ALUMINUM	ALUMINUM
12	2	ALUMINUM	66	304 SS	CS STEEL
12	2	ALUMINUM	22	316 SS	316 SS
14	3	ALUMINUM	11	ALUMINUM	ALUMINUM
14	3	ALUMINUM	66	304 SS	CS STEEL
14	3	ALUMINUM	22	316 SS	316 SS
15	4	ALUMINUM	11	ALUMINUM	ALUMINUM
15	4	ALUMINUM	66	304 SS	CS STEEL
15	4	ALUMINUM	22	316 SS	316 SS
16	6	ALUMINUM	11	ALUMINUM	ALUMINUM
16	6	ALUMINUM	66	304 SS	CS STEEL
16	6	ALUMINUM	22	316 SS	316 SS
17	8	ALUMINUM	11	ALUMINUM	ALUMINUM
17	8	ALUMINUM	66	304 SS	CS STEEL
17	8	ALUMINUM	22	316 SS	316 SS
18	10	ALUMINUM	11	ALUMINUM	ALUMINUM
18	10	ALUMINUM	66	304 SS	CS STEEL
18	10	ALUMINUM	22	316 SS	316 SS
19	12	ALUMINUM	11	ALUMINUM	ALUMINUM
19	12	ALUMINUM	66	304 SS	CS STEEL
19	12	ALUMINUM	22	316 SS	316 SS

TABLE I & II (Continued)

TABLE I (AB)- SIZE AND MATERIAL

TABLE II (CD)- TUBE BANK AND SHELL

OPTION #	SIZE (INCHES)	BODY MATERIAL	OPTION #	TUBE BANK MATERIAL	SHELL MATERIAL
32	2	CI	66	304 SS	CS
32	2	CI	22	316 SS	316 SS
52	2	CS	66	304 SS	CS
52	2	CS	22	316 SS	316 SS
42	2	316 SS	22	316 SS	316 SS
34	3	CI	66	304 SS	CS
34	3	CI	22	316 SS	316 SS
54	3	CS	66	304 SS	CS
54	3	CS	22	316 SS	316 SS
44	3	316 SS	22	316 SS	316 SS
35	4	CI	66	304 SS	CS
35	4	CI	22	316 SS	316 SS
55	4	CS	66	304 SS	CS
55	4	CS	22	316 SS	316 SS
45	4	316 SS	22	316 SS	316 SS
36	6	CI	66	304 SS	CS
36	6	CI	22	316 SS	316 SS
56	6	CS	66	304 SS	CS
56	6	CS	22	316 SS	316 SS
46	6	316 SS	22	316 SS	316 SS
37	8	CI	66	304 SS	CS
37	8	CI	22	316 SS	316 SS
57	8	CS	66	304 SS	CS
57	8	CS	22	316 SS	316 SS
47	8	316 SS	22	316 SS	316 SS
38	10	CI	66	304 SS	CS
38	10	CI	22	316 SS	316 SS
58	10	CS	66	304 SS	CS
58	10	CS	22	316 SS	316 SS
48	10	316 SS	22	316 SS	316 SS
39	12	CI	66	304 SS	CS
39	12	CI	22	316 SS	316 SS
59	12	CS	66	304 SS	CS
59	12	CS	22	316 SS	316 SS
49	12	316 SS	22	316 SS	316 SS

Raised Face Flanges Available At No Charge

RAISED FACE FLANGES NOT AVAILABLE WITH ALUMINUM BODIES

CI = Cast Iron

CS= Cast Steel

304 SS= Cast 304 Stainless Steel

316 SS= Cast 316 Stainless Steel

TUBE BANKS ONLY

PARTS #	SIZE (INCHES)	MATERIALS		SHIPPING WT. (LBS)
		BANK	SHELL	
9430-10150	2	ALUM.	ALUM.	9
091211	2	304 SS	CS	22
9430-11120	2	304 SS	304 SS	25
9430-11110	2	316 SS	316 SS	25
9430-10151	3	ALUM.	ALUM.	14
091212	3	304 SS	CS	30
9430-11121	3	304 SS	304 SS	35
9430-11111	3	316 SS	316 SS	35
9430-10152	4	ALUM.	ALUM.	20
091213	4	304 SS	CS	55
9430-11122	4	304 SS	304 SS	60
9430-11112	4	316 SS	316 SS	60
9430-10153	6	ALUM.	ALUM.	35
9430-11070	6	304 SS	CS	90
9430-11123	6	304 SS	304 SS	100
9430-11113	6	316 SS	316 SS	100
9430-10154	8	ALUM.	ALUM.	55
9430-11071	8	304 SS	CS	145
9430-11124	8	304 SS	304 SS	160
9430-11114	8	316 SS	316 SS	160
9430-10155	10	ALUM.	ALUM.	85
9430-11072	10	304 SS	CS	225
9430-11125	10	304 SS	304 SS	240
9430-11115	10	316 SS	316 SS	240
9430-10156	12	ALUM.	ALUM.	120
9430-11073	12	304 SS	CS	310
9430-11126	12	304 SS	304 SS	320
9430-11116	12	316 SS	316 SS	320

ALUM= Aluminum
 CI = Cast Iron
 CS= Cast Steel
 304 SS= Cast 304 Stainless Steel
 316 SS= Cast 316 Stainless Steel

TABLE III (EF) DRAIN PLUGS

FLANGE STYLE	NO DRAIN PLUGS OPTION #	WITH DRAIN PLUGS OPTION #
ANSI FF	77	71
ANSI RF	87	81
DIN 2633 FF	27	21
DIN 2633 RF	37	31
JIS 10K FF	47	41
JIS 10K RF	57	51