



- Cost effective, dual purpose
- Provides pressure & vacuum relief
- Serves as a barrier between external flame and internal vapors
- Provides protection against flame propagation
- Optional steam jacketing
- Open or closed vent configurations
- Sizes 2" thru 12" ANSI and DIN

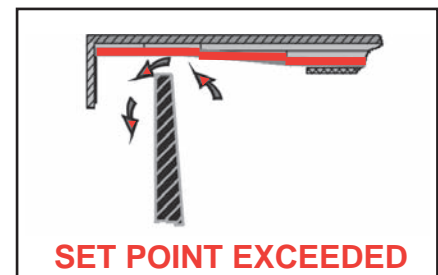
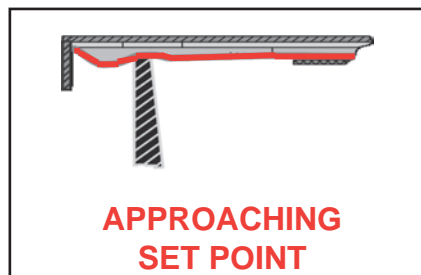
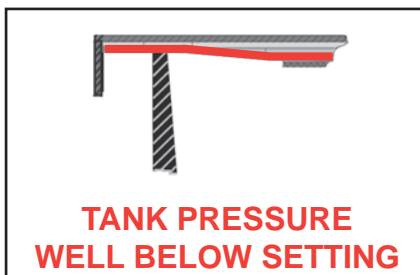
The Shand and Jurs Model 97571 Combination Conservation Vent & Flame Arrester

The Shand and Jurs Model 97571 Combination Conservation Vent and Flame Arrester is a single, easy to configure package providing for pressure and vacuum relief, as well as positive flame stop on low pressure tanks containing flammable liquids or solvents having a low flash point.

The conservation vent features cushion seated diaphragms constructed of FEP Teflon for reliability,

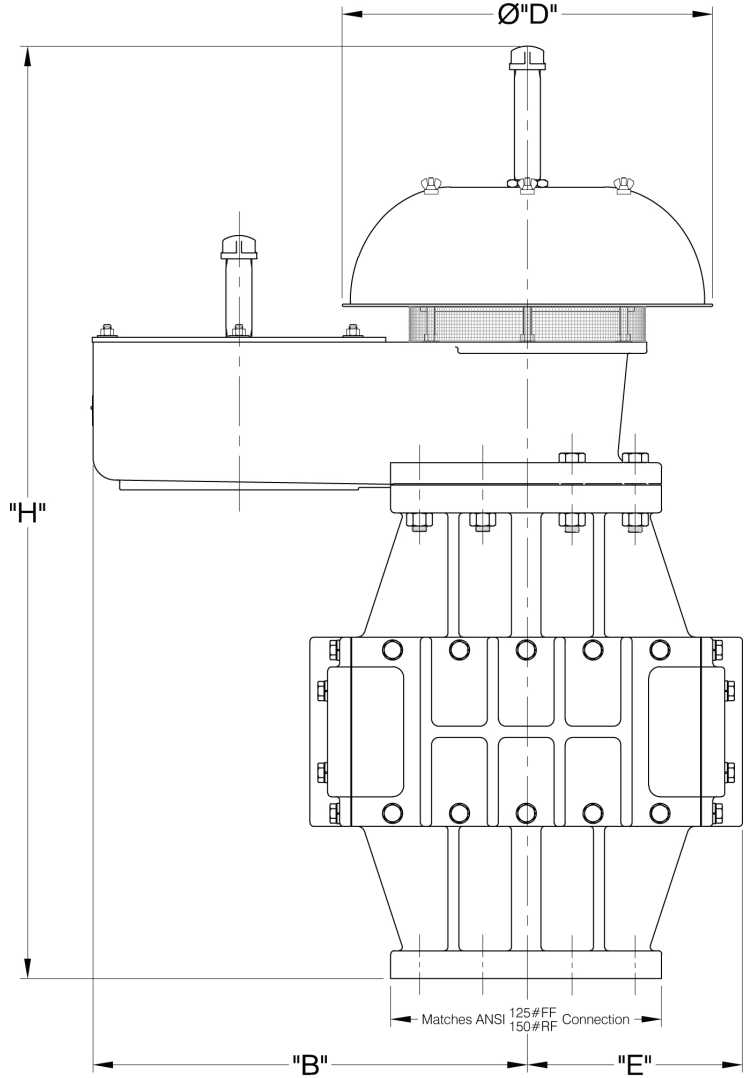
and extended service life. For high reliability, the pressure and vacuum pallets are both peripherally and center stem guided.

The removable tube bank provides maximum flow while minimizing pressure drop. Both body and extensible arrester element are available in numerous materials to meet the requirements of your site.



Shand & Jurs "Expanda-Seal" option is available on all pressure pallet assemblies. This feature, shown in red, significantly reduces leakage. The ballooning effect of the teflon diaphragm effectively seals the valve. The "Expanda-Seal" feature ensures less than .5 SCFH of leakage at 95% of the set point.

OUTLINE DIMENSIONS

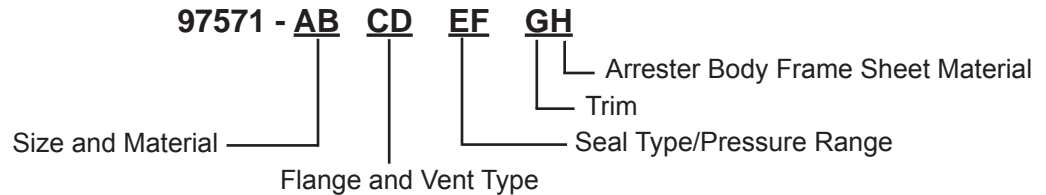


Vent Size	"B"	Diameter "D"	"E"	"H"
2"	8 ¹³ / ₁₆	12 ⁷ / ₈	5 ¹ / ₁₆	24 ¹ / ₈
3"	11 ³ / ₁₆	13 ⁹ / ₁₆	6	27 ⁵ / ₈
4"	13 ¹ / ₂	16	7 ¹ / ₄	32 ³ / ₈
6"	16 ¹¹ / ₁₆	18 ⁵ / ₈	9 ³ / ₈	40 ¹ / ₄
8"	20 ¹ / ₂	18 ⁵ / ₈	11 ¹ / ₈	49 ³ / ₈
10"	24 ¹ / ₁₆	25 ⁹ / ₁₆	13	56 ⁷ / ₈
12"	29 ¹ / ₁₆	29 ⁷ / ₈	14 ¹ / ₁₆	66 ⁵ / ₈

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

MODEL NUMBER SELECTION:

The model number will consist of a base number 97571 followed by 8 digits which represent the options listed in the following tables.



ORDERING INFORMATION

Specify:

1. Size and body material
2. Type of flange
3. Tube bank and shell material
4. Closed or open vent
5. Pressure and vacuum settings if not standard
6. Optional materials of construction or coatings, if required



TABLE I - SIZE AND BODY MATERIAL

OPT (AB)	SIZE	TYPE OF CONNECTION	BODY MATERIAL
11	2"	NPT	ALUM
12	2"	Flanged	ALUM
21	2"	NPT	ALUM CRYO HOOD
22	2"	Flanged	ALUM CRYO HOOD
*31/41	2"	NPT	CI/DI
*32/42	2"	Flanged	CI/DI
51	2"	NPT	CS
52	2"	Flanged	CS
71	2"	NPT	316 SS
72	2"	Flanged	316 SS
13	3"	NPT	ALUM
14	3"	Flanged	ALUM
23	3"	NPT	ALUM CRYO HOOD
24	3"	Flanged	ALUM CRYO HOOD
*33/43	3"	NPT	CI/DI
*34/44	3"	Flanged	CI/DI
53	3"	NPT	CS
54	3"	Flanged	CS
73	3"	NPT	316 SS
74	3"	Flanged	316 SS
15	4"	Flanged	ALUM
25	4"	Flanged	ALUM CRYO HOOD
*35/45	4"	Flanged	CI/DI

OPT (AB)	SIZE	TYPE OF CONNECTION	BODY MATERIAL
55	4"	Flanged	CS
75	4"	Flanged	316 SS
16	6"	Flanged	ALUM
26	6"	Flanged	ALUM CRYO HOOD
*36/46	6"	Flanged	CI/DI
56	6"	Flanged	CS
76	6"	Flanged	316 SS
17	8"	Flanged	ALUM
27	8"	Flanged	ALUM CRYO HOOD
*37/47	8"	Flanged	CI/DI
57	8"	Flanged	CS
77	8"	Flanged	316 SS
18	10"	Flanged	ALUM
28	10"	Flanged	ALUM CRYO HOOD
*38/48	10"	Flanged	CI/DI
58	10"	Flanged	CS
78	10"	Flanged	316 SS
19	12"	Flanged	ALUM
29	12"	Flanged	ALUM CRYO HOOD
*39/49	12"	Flanged	CI/DI
59	12"	Flanged	CS
79	12"	Flanged	316 SS

* 3X = Cast Iron, 4X = Ductile Iron

TABLE II - FLANGE TYPE

OPT (C)	DESCRIPTION
0	ANSI 125/150 lb. FF
1	ANSI 125/150 lb. RF*
2	DIN PN 16 FF
3	DIN PN 16 RF*
4	JIS 10K FF
5	JIS 10K RF*

* Raised face flanges not available with aluminum bodies.

TABLE II - VENT TYPE

OPT (D)	DESCRIPTION
1	Open Vent
2	Open Vent w/ Flame Snuffer
3	Closed, Standard Outlet > Inlet
4	Pipe Away, P&V
6	Pipe Away, Same size in & out

TABLE III - SEAL TYPE

OPT (E)	SEAL TYPE & SOFT GOODS
0	Normal FEP Teflon/N8090
1	Expanda Seal FEP Teflon/N8090
2	Normal FEP Teflon (all)
3	Expanda FEP Teflon (all)
4	Normal Viton (all)
5	Expanda Viton (all)
6	Normal PTFE
8	Normal Buna Diaphragm
9	Expanda Buna Diaphragm

TABLE III - PRESSURE RANGE

OPT (F)	Description	Weight Material
1	Std Pres and Vac Set = .5oz./sq.in.	Lead
2	Over 2.9 oz/sq. in.	Lead
3	Standard to 2.9 oz/sq.in.	Lead
4	Standard Setting	316 SS
5	Over 2.9 oz/sq. in.	316 SS
6	Standard to 2.9 oz/sq.in.	316 SS

Expanda-Seal Pressure Setting:
1.5 oz./sq. in. Minimum
(Consult Factory for lower settings)

TABLE IV- TRIM

OPTION "G"	TRIM
0	Zinc plated steel
1	316 SS

**TABLE IV - ARRESTER BODY, BANK
FRAME AND SHEET MATERIAL**

OPTION "H"	BODY MATERIAL	SHEET MATERIAL	FRAME MATERIAL
1	AL	AL	AL
2	AL	SS 316	AL
3	CS	SS 316	SS 316
4	SS 316	SS 316	SS 316