



- All-weather valve for all material or service
- Aluminum, cast iron, steel or stainless steel
- Pressure range between 1 and 15 PSI
- Available in sizes: 2", 3", 4", 6", 8", 10" & 12"

The Shand & Jurs Model 94140 Spring Loaded Pressure Relief Vent (Spring Closed)

The Shand & Jurs Model 94140 Spring Loaded Pressure Relief Vent reduces excessive venting of product in liquid storage tanks. Available for open or closed vent systems, this vent provides pressure relief by either venting vapor into the atmosphere or piping emissions in a closed loop system.

Available in 2" - 12" sizes, this vent is all weather for all materials and services. Pressure ranges are from 1-15 psig for 2"-10" sizes and 1-10 psig for 12" sizes. Flange connections match ANSI 150 lb. raised face or flat face for cast iron, steel and stainless steel construction. Aluminum construction comes in ANSI 150 lb. flat face flange only. Open vent body and seat material is the same except for steel which has a SS overlay seat. Closed vent model can either have Aluminum or SS seat.

An Expanda Seal is available on the pressure pallet to assure minimal leakage up to 95% of set pressure.

SPECIFICATIONS:

Standard Pressure
Setting Range:..... 1-15 psig for 2"-10" sizes
1-10 psig for 12" size

Temperature Range: Body and Seal
Options for Process Temperature Ranges of
-70°F to 500°F

Flanges:..... Matches valve size 150 lb.
ANSI compatible. DIN and
JIS 10K sizes available.
*Aluminum available in FF
only.

MATERIALS OF CONSTRUCTION:

Body: Aluminum, Cast Iron, Steel,
or 316SS

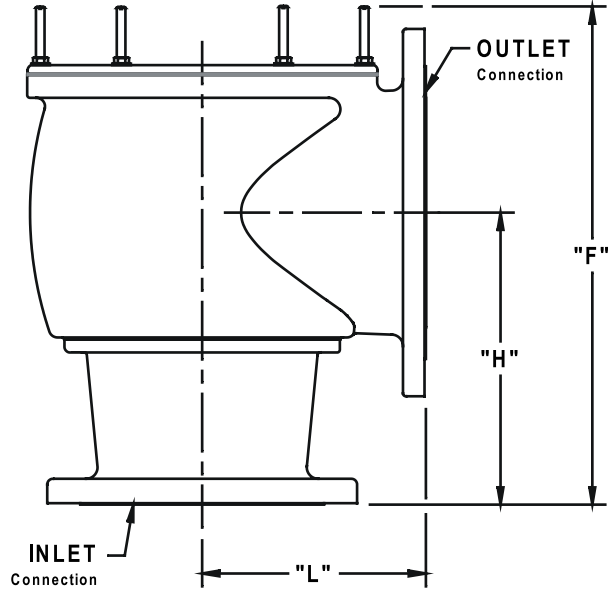
Hood:..... SS for 2", 3", 4", 6" & 8"
Aluminum for 10" & 12"

Seat: Aluminum or Stainless Steel

Diaphragm:..... FEP Teflon

CLOSED VENT OUTLINE DIMENSIONS

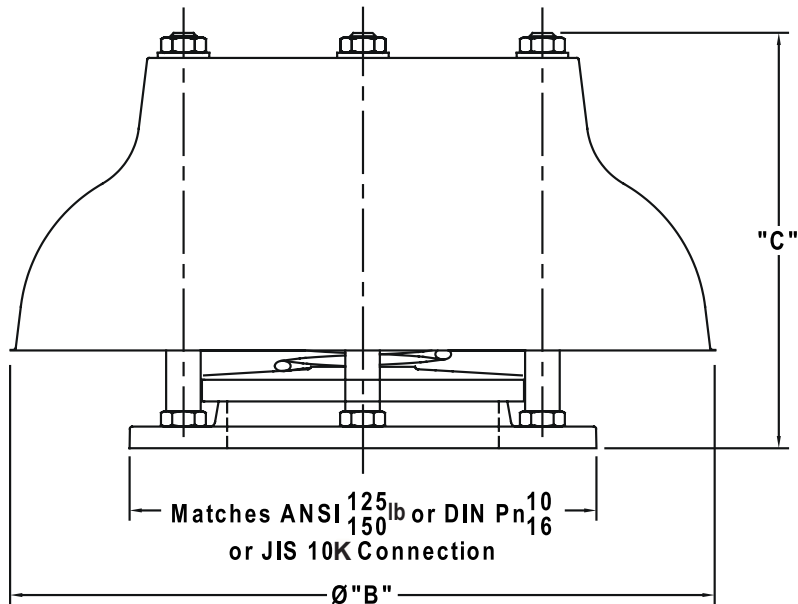
Valve Size*	"F"	"H"	"L"
2" X 3"	10 3/8	5 1/32	4 1/4
3" X 4"	12 1/8	5 31/32	5 1/4
4" X 6"	14 1/8	7 1/32	5 15/16
6" X 8"	17 1/4	10 11/32	8 1/4
8" X 10"	20 7/8	12 23/32	9 3/4
10" X 12"	24 5/8	14 29/32	11 19/32
12" X 14"	27 5/8	16 29/32	12 13/16



*Same size inlet and outlet available upon special request.
 Dimensions and flow capacity subject to change

OPEN VENT OUTLINE DIMENSIONS

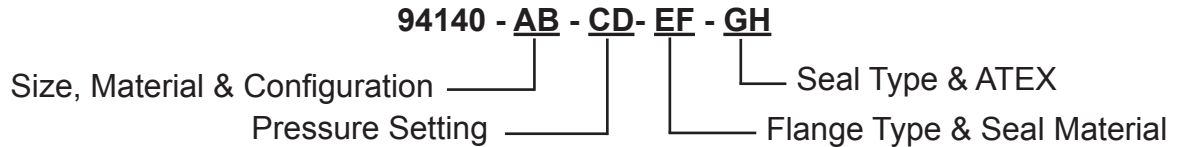
Valve Size	Diameter "B"	"C"
2"	12 7/8	7 5/8
3"	13 9/16	7 7/8
4"	15 15/16	9 1/8
6"	18 5/8	9 1/8
8"	18 5/8	12 1/8
10"	25 9/16	16 1/2
12"	29 7/8	19 5/8



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

MODEL NUMBER SELECTION:

The model number will consist of a base number 94140 followed by four 2 digit numbers which represent the options listed in the following tables.



ORDERING INFORMATION

Specify:

1. Model 94140 Spring Loaded Pressure Only Relief Vent
2. Size, Body Material and Service
3. Type of Vent
4. Pressure Setting
5. Seal Type
6. To Specify CE for Ordinary EU Locations use Table G
7. ATEX Certification for Group IIB, IIA EU Locations, use Table G



TABLE II (CD) - PRESSURE SETTING (PSI)

OPTION #	RANGE FROM	RANGE TO
01	1	2
02	2.1	3
03	3.1	4
04	4.1	5
05	5.1	6
06	6.1	7
07	7.1	8
08	8.1	9
09	9.1	10
10	10.1	11
11	11.1	12
12	12.1	13
13	13.1	14
14	14.1	15

ATEX and CE Models are Limited to Options 01-06

TABLE IIIa (E) - FLANGE TYPE

OPTION #	DESCRIPTION
0	FF ANSI
1	RF ANSI*
2	FF DIN PN16
3	RF DIN PN16*
4	FF JIS 10K
5	RF JIS 10K*

* RF Not available in aluminum

TABLE IIIb (F) - SEAL MATERIAL

OPTION #	MATERIAL
0	FEP
1	PTFE
2	BUNA-N
3	VITON

TABLE IV (GH) - SEAL TYPE

OPTION #	TYPE
00	STD.
01	Expanda-Seal
*10	ATEX Certified/STD Seal
*11	ATEX Certified/Expanda-Seal
20	CE / STD. Seal
21	CE / Expanda-Sea

* Pallet, Side Guides, Nuts, Bolts, Screens and Spring are 316 SS

TABLE I (AB) - SIZE, MATERIALS & CONFIGURATION

FLAT FACED OPTION #	RAISED FACED OPTION #	SIZE	DESCRIPTION		VENT TYPE*
			BODY	TRIM	
12	N/A	2"	ALUM	ALUM	OPEN
22	N/A	2"	ALUM	ALUM	CLOSED
32	A2	2"	CI	SS	OPEN
42	52	2"	CI	SS	CLOSED
B2	C2	2"	CS	SS	OPEN
62	72	2"	CS	SS	CLOSED
D2	E2	2"	SS	SS	OPEN
82	92	2"	SS	SS	CLOSED
14	N/A	3"	ALUM	ALUM	OPEN
24	N/A	3"	ALUM	ALUM	CLOSED
34	A4	3"	CI	SS	OPEN
44	54	3"	CI	SS	CLOSED
B4	C4	3"	CS	SS	OPEN
64	74	3"	CS	SS	CLOSED
D4	E4	3"	SS	SS	OPEN
84	94	3"	SS	SS	CLOSED
15	N/A	4"	ALUM	ALUM	OPEN
25	N/A	4"	ALUM	ALUM	CLOSED
35	A5	4"	CI	SS	OPEN
45	55	4"	CI	SS	CLOSED
B5	C5	4"	CS	SS	OPEN
65	75	4"	CS	SS	CLOSED
D5	E5	4"	SS	SS	OPEN
85	95	4"	SS	SS	CLOSED
16	N/A	6"	ALUM	ALUM	OPEN
26	N/A	6"	ALUM	ALUM	CLOSED
36	A6	6"	CI	SS	OPEN
46	56	6"	CI	SS	CLOSED
B6	C6	6"	CS	SS	OPEN
66	76	6"	CS	SS	CLOSED
D6	E6	6"	SS	SS	OPEN
86	96	6"	SS	SS	CLOSED
17	N/A	8"	ALUM	ALUM	OPEN
27	N/A	8"	ALUM	ALUM	CLOSED
37	A7	8"	CI	SS	OPEN
47	57	8"	CI	SS	CLOSED
B7	C7	8"	CS	SS	OPEN
67	77	8"	CS	SS	CLOSED
D7	E7	8"	SS	SS	OPEN
87	97	8"	SS	SS	CLOSED
18	N/A	10"	ALUM	ALUM	OPEN
28	N/A	10"	ALUM	ALUM	CLOSED
38	A8	10"	CI	SS	OPEN
48	58	10"	CI	SS	CLOSED
B8	C8	10"	CS	SS	OPEN
68	78	10"	CS	SS	CLOSED
D8	E8	10"	SS	SS	OPEN
88	98	10"	SS	SS	CLOSED
19	N/A	12"	ALUM	ALUM	OPEN
29	N/A	12"	ALUM	ALUM	CLOSED
39	A9	12"	CI	SS	OPEN
49	59	12"	CI	SS	CLOSED
B9	C9	12"	CS	SS	OPEN
69	79	12"	CS	SS	CLOSED
D9	E9	12"	SS	SS	OPEN
89	99	12"	SS	SS	CLOSED

* Closed vent type is for outlet size > inlet size (2" x 3", 4" x 6", etc.)