



- Easy installation, convenient handling
- Tank examination requires no gasket replacement or unbolting
- Manhole opening available in 16", 20", 24", 30", & 36"
- Materials include Aluminum, Steel & 316SS

The Shand & Jurs Model 94200 Emergency Vent and Manhole Cover

The Shand & Jurs Model 94200 Emergency Vent and Manhole Cover is an economical solution to present day emergency venting requirements. It is designed to relieve excessive internal pressure in liquid storage tanks. Its economical price provides excellent protection against costly tank roof rupture repair. The sizes are 16", 20", 24", 30" and 36" ANSI connections and 20" and 24" API roof manhole connections.

The Model 94200 is available with low base for liquid overflow. When specified, elongated guides

and special stops can be provided to limit pallet lift. The pallet guide is deep enough to assure proper reseating of pallet after pressure relieving at lower overpressures. Pallet will reseat when tank pressure drops below set pressure.

For tank venting or examination, the pallet may be removed off its base offering a clear unobstructed passage. A retaining cable is provided to fasten the pallet to the base.

SPECIFICATIONS:

Pressure Setting:

Standard for Alum. Pallet	0.865 oz./sq. in. 16" & 20", & 24"
Standard for SS & CS Pallet	16"-1.6 oz./sq. in.
	20" & 24" - 1.5 oz./sq.in.
Standard Maximum:	6.0 oz./sq. in for 24" size
	8.0 oz./sq. in. for 16" & 20" sizes
	Higher settings available

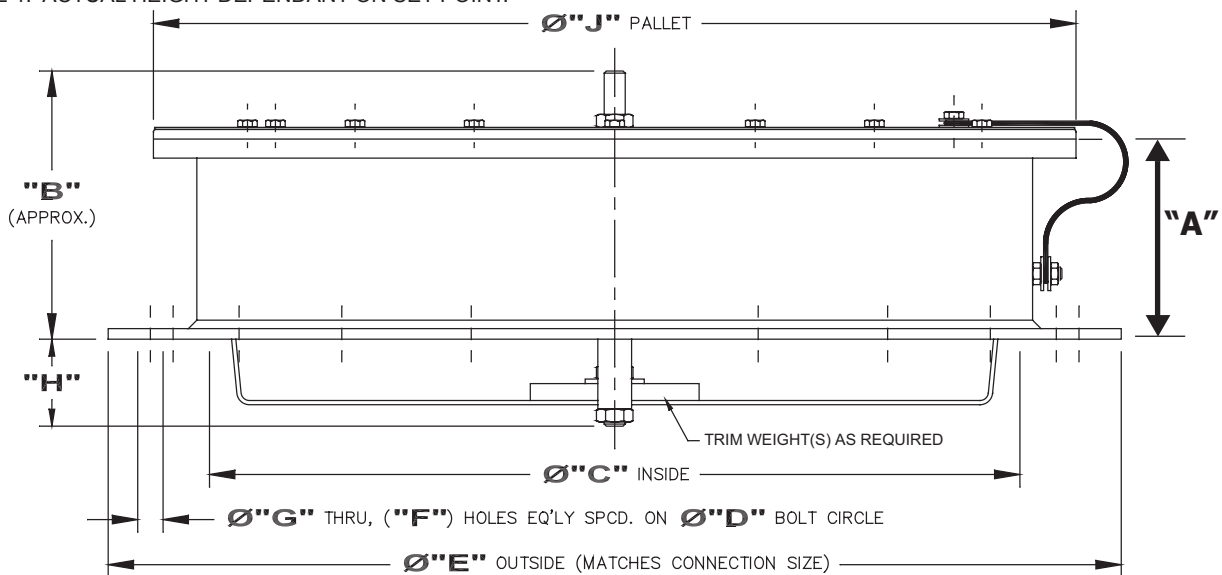
MATERIALS OF CONSTRUCTION:

- Base: Steel, Aluminum and 316SS available
- Diaphragm Seat: Same as base, Inlaid Stainless Steel on Steel base
- Diaphragm: FEP Teflon, PTFE, Viton, or BUNA
- Back-Up Disc: Reinforced fiber composition
- Pallet, Retainer, Guide:..Aluminum, Steel or 316SS

Alternate materials of construction available on request.

Vent Size	Connection Matching Size	"B" NOTE 1.	Ø"C"	Ø"D" Bolt Circle	Ø"E"	"F" Holes	Ø"G"	"H" MAX	Ø"J" Pallet
16"	16" 125#/150# ANSI	8 5/16	Ø16	Ø21 1/4	Ø23 1/2	16	Ø1 1/8	0	Ø18 3/4
20"	20" 125#/150# ANSI	9 1/4	Ø20	Ø25	Ø27 1/2	20	Ø1 1/4	3	Ø23 5/16
20"	24" 125#/150# ANSI	9 1/4	Ø20	Ø29 1/2	Ø32	20	Ø1 3/8	3	Ø23 5/16
24"	24" 125#/150# ANSI	9 1/4	Ø24	Ø29 1/2	Ø32	20	Ø1 3/8	3	Ø27 5/16
30"	30" 125# ANSI	9 1/4	Ø30	Ø36	Ø38 3/4	28	Ø1 3/8	5	Ø33 5/8
36"	36" 125# ANSI	9 1/4	Ø36	Ø42 3/4	Ø46	32	Ø1 5/8	7	Ø40 3/4
20"	20" API Roof Manhole	9 1/4	Ø20	Ø23 1/2	Ø26	16	Ø3/4	3	Ø23 5/16
20"	24" API Roof Manhole	9 1/4	Ø20	Ø27 1/2	Ø30	20	Ø3/4	3	Ø23 5/16
24"	24" API Roof Manhole	9 1/4	Ø24	Ø27 1/2	Ø30	20	Ø3/4	3	Ø27 5/16

"A" = 6 1/4" for High and Limited Lift Base "A" = 2 1/8" for Low Base "H" = 3 1/2 for Low Base
 NOTE 1. ACTUAL HEIGHT DEPENDANT ON SET POINT.



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

TABLE I (A) - BASE MATERIAL

OPTION #	MATERIAL
1	STEEL
3	ALUMINUM
5	316 SS

TABLE I (B) - BASE TYPE

OPTION #	BASE TYPE
2	STD. BASE
3	LIMITED LIFT
4	LOW BASE

TABLE II (C) - SEAL MATERIAL

OPTION #	DIAPHRAGM
0	TEFLON
1	PTFE
2	VITON
3	BUNA

TABLE II (D) - MOUNTING FLANGE SIZE

OPTION #	SIZE	DESCRIPTION
1	16"	16" OPENING 16" FLANGE
2	20"	20" OPENING 20" FLANGE
3	20"X24"	20" OPENING 24" FLANGE
4	24"X24"	24" OPENING 24" FLANGE
5	30"	30" OPENING 30" FLANGE
6	36"	36" OPENING 36" FLANGE

**TABLE III (EF) -
PALLET SELECTION**

OPTION #	SELECTION
01	STEEL
02	ALUM
03	SS 316

TABLE IV (G) - DRILLING *

OPTIONS	BASE DRILLING
0	** API 650 FF
1	UL142 FF
2	ANSI 125/150 lb FF

FF= Flat Face

* Alternate flange drillings available

** API-650 flange only available in 20" and 24" sizes.

TABLE IV (H) - CE/ATEX CLEANING

OPTION #	CLEANING
0	STD. CLEANING
1	LOX
2	CE / STD. CLEANING
3	CE / LOX CLEANING
4	ATEX / STD. CLEANING
5	ATEX / LOX CLEANING