

95220



Shand & Jurs Co.

A COGNESENSE BRAND

Clamping Manway Cover

The Shand & Jurs® Model 95220 Clamping Manway Cover provides secure, oversized access for large-diameter storage tank manways and digester covers while maintaining vapor-tight and watertight closure. Engineered for routine inspection, maintenance, gauging, and sampling on vertical atmospheric storage tanks, the 95220 combines a lightweight hinged dome with a threaded clamping handle and flexible seal to create a reliable mechanical closure that minimizes vapor leakage and environmental ingress.

Designed for larger openings, the 95220 accommodates standard 30", 36", 42", 48", and 60" flat-face drilled flanges and integrates easily with ANSI, API, or DIN connection patterns. The hinged dome may be lifted open quickly by releasing the clamping hardware, while the self-locking foot pedal and safety locking pins secure the cover against unintended closure.

Constructed with a corrosion-resistant base and cover and a flexible elastomer seal, the 95220 supports predictable performance in petroleum, chemical, and industrial storage environments. Its straightforward design balances ease of access with robust sealing performance, making it well-suited for engineered storage access applications.



Key Features

Threaded Clamping Handle

Provides controlled compression of the seal for gas-tight and watertight closure.

Hinged Lightweight Dome

Offers unobstructed large-diameter access for routine inspection and service.

Flexible Elastomer Seal

Maintains consistent compression to limit fugitive leakage in low-pressure environments.

Multiple Large Diameters

Sizes from 30" to 60" cover a range of common tank and digester openings.

Self-Locking Foot Pedal

Prevents accidental closure during maintenance or entry.

Flat-Face Drilled Flanges

Supports ANSI/API/DIN bolt patterns for installation flexibility.

Benefits



RAPID LARGE OPENING ACCESS

Hinged design allows quick entry for inspection, sampling, or service tasks.



ENHANCED VAPOR CONTAINMENT

Clamping compression and elastomer sealing reduce fugitive emissions.



SIMPLIFIED INSTALLATION

Standard flange drilling patterns streamline specification and installation.



PREDICTABLE SEALING PERFORMANCE

Threaded clamping assures uniform compression over the elastomer seal.



DURABLE CONSTRUCTION

Corrosion-resistant materials support long service life in outdoor and industrial applications.



OPERATIONAL SAFETY

The self-locking mechanism secures the cover during maintenance tasks.

Available Options



Seal Material Selection

NBR or CR elastomer options for product compatibility.



Clamping Hardware Materials

Brass, bronze, or stainless steel for corrosion performance or safety.



Flange Standard Options

ANSI, API, DIN drilling available per project requirements.



Protective Coatings

Enhances corrosion resistance in severe environments.



Undrilled Flange Version

Allows custom field drilling patterns.



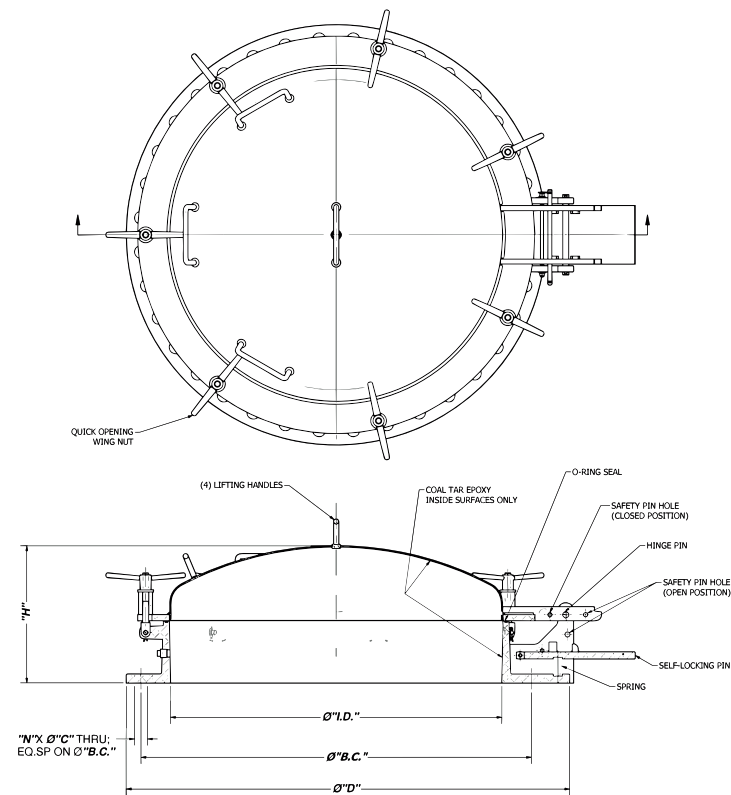
ATEX / CE Configurations

Supports hazardous area compliance where required.

Key Performance Data

Parameter	Value
Function	Clamping large-diameter tank or digester cover
Standard Sizes	30", 36", 42", 48", 54", 60"
Maximum Working Pressure	~1 psig nominal
Sealing Method	Threaded clamping compression with flexible elastomer seal
Opening Mechanism	Hinged manual dome
Flange Connections	ANSI / API / DIN flat-face drilled
Body & Cover Materials	Aluminum base and cover (standard)
Seal Materials	NBR (nitrile), CR (chloroprene)
Clamping Hardware	Brass, bronze, or stainless steel
Safety Features	Self-locking foot pedal, safety locking pins
Temperature Range	Suitable for ambient storage service

Dimensions



Size	ID	C	N	B.C.	D	H
30"	30"	1 1/8"	28	33 3/4	36 1/2	17
36"	36"	1 1/8"	32	42 1/4	45 1/2	17
42"	42"	1 1/8"	36	49 1/2	53	17 3/8
48"	48"	1 1/8"	44	56	59 1/2"	19 1/2
54"	54"	1 3/8"	44	62 3/4"	66 1/4"	24
60"	60"	1 1/8"	52	69 1/4"	73 1/4"	27

Model Number Selection

The model number will consist of a base number 95220 followed by 4 digit numbers. These digits will represent 3 option tables.

95220 - AB - CD

Ordering Information

Specify:

- 1. Model 95220 Clamping Manhole Cover
- 2. Size Required
- 3. Material
- 4. Connection Type
- 5. Type of Product Stored
- 6. For Other than Standard Materials, Specify as Required
- 7. Specify CE for Ordinary EU Locations use 95220C

*Note: Threaded adaptors and other connection types are available for all sizes. Please consult the factory for pricing and availability.

Table A - Material

Option A	Base/Cover Material
0	713 Tenzaloy Base and Aluminum Cover, Sealed with Coal Tar Epoxy Interior

Table C - Seal Material

Option C	Seal
0	CR
1	NBR

Table B - Size & Flange Connection

Option B	Size (Inches)	Aluminum Base*
1	42	AWWA Class B
2	48	AWWA Class B
5	30	AWWA Class B
6	36	AWWA Class B

Table D - Clamping Hardware

Option D	Clamping Hardware
1	Brass
2	Stainless Steel
3	Bronze

Optional Materials available. Consult Factory.

* ANSI B16.1 / AWWA Class B Flange

Summary

The Shand & Jurs® 95220 Clamping Manway Cover provides strong, engineered access for large-diameter openings in storage tanks and digesters, ensuring both vapor-tight and watertight closure. Its lightweight, hinged dome and threaded compression sealing deliver dependable performance and easy maintenance in petroleum, chemical, and industrial storage environments where frequent access is necessary.

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This document is for information purposes only. All designs subject to change. Certified dimensions, specifications, and performance data available upon request