

95210



Shand & Jurs Co.

A COGNESENSE BRAND

Clamping Manway Cover

The Shand & Jurs® Model 95210 Clamping Manway Cover provides secure, gas-tight, and watertight access to low-pressure storage tanks, digesters, and process vessels. Designed for frequent inspection, gauging, and maintenance access, the 95210 combines a hinged cover assembly with a threaded clamping mechanism to create a reliable mechanical seal while allowing rapid, unobstructed entry.

The flexible elastomer seal compresses uniformly against the machined seating surface to minimize vapor leakage and weather intrusion during normal tank operation. Standard working pressure capability ranges from approximately 1 to 3 PSIG, depending on size, supporting low-pressure storage environments where secure closure and personnel access must coexist.

Available in sizes from 16" through 48" with flat-face drilled flanges to ANSI, API, or EN standards, the 95210 integrates easily with common tank nozzle configurations. Optional non-ferrous clamping hardware provides spark-resistant performance in flammable product service. Its straightforward mechanical design supports predictable sealing performance, simplified specification, and long-term durability in petroleum, chemical, and industrial storage applications.



Key Features

Threaded Clamping Mechanism

Provides uniform seal compression for gas-tight and watertight closure.

Hinged Cover Assembly

Enables rapid, unobstructed access for inspection and maintenance activities.

Flexible Elastomer Seal

Maintains consistent compression and reseating performance under low internal pressures.

Multiple Diameter Availability

Sizes from 16" to 48" accommodate standard tank and vessel manway openings.

Flat-Face Drilled Flange

Supports ANSI, API, or EN bolt patterns for installation flexibility.

Non-Ferrous Hardware Option

Bronze, brass, or stainless components reduce spark risk in hazardous environments.

Benefits



SECURE VAPOR CONTAINMENT

Minimizes fugitive emissions during normal storage operations.



SIMPLIFIED FIELD ACCESS

Hinged configuration reduces the time required for inspection or maintenance.



STABLE SEALING PERFORMANCE

Threaded compression maintains reliable closure without complex hardware.



INSTALLATION FLEXIBILITY

Standard flange drilling simplifies integration with existing tank nozzles.



ADAPTABLE MATERIAL SELECTION

Aluminum, steel, or stainless construction matches service environment requirements.



HAZARDOUS AREA SUITABILITY

Non-sparking hardware enhances operational safety in flammable service.

Available Options



Body Material Selection

Aluminum, carbon steel, or 316 stainless steel to match service conditions.



Elastomer Seal Selection

NBR or CR seal options for product compatibility.



Clamping Hardware Material

Steel, brass, bronze, or stainless steel for corrosion or spark considerations.



ANSI/API/EN Flange Drilling

Ensures compatibility with project-specific standards.



Undrilled Flange Version

Allows custom bolt patterns per engineering specification.



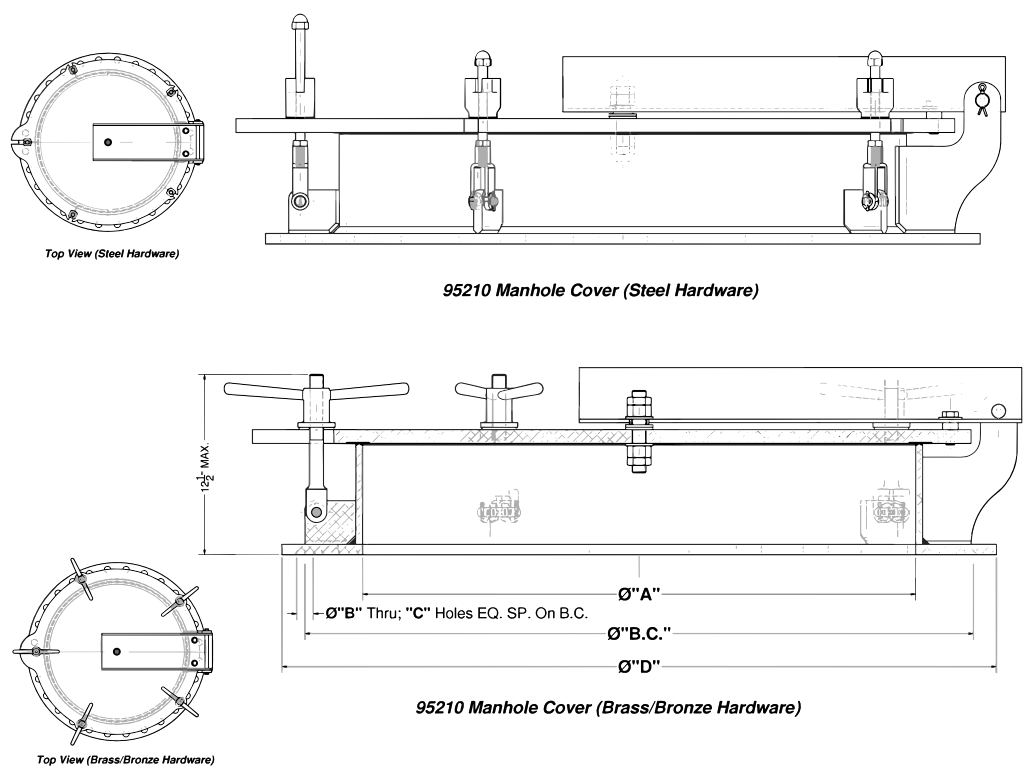
ATEX Configuration

Available for hazardous area compliance requirements.

Key Performance Data

Parameter	Value
Function	Clamping access cover for low-pressure tanks and vessels
Standard Sizes	16", 18", 20", 24", 30", 36", 42", 48"
Working Pressure	Approximately 1–3 psig (size dependent)
Sealing Method	Threaded clamping compression with elastomer seal
Opening Mechanism	Hinged manual cover
Flange Type	Flat-face drilled per ANSI / API / EN
Body Materials	Aluminum, Carbon Steel, 316 Stainless Steel
Seal Materials	NBR (Nitrile), CR (Chloroprene)
Clamping Hardware	Steel, Brass, Bronze, Stainless Steel
Certifications	ATEX available
Temperature Range	Dependent on seal selection; typically –20°F to 250°F (seal dependent)

Dimensions



Size	A	B	C Holes	B.C.	D	Connection
16"	16"	1 1⁄8"	16	21 1⁄4"	23 1⁄4"	ANSI 125/150 lbs. Flange Class
18"	18"	1 1⁄4"	16	22 3⁄4"	25"	
20"	20"	1 1⁄4"	20	25"	27 1⁄2"	
24"	24"	1 3⁄8"	20	29 1⁄2"	32"	
30"	30"	1 3⁄8"	28	36"	38 3⁄4"	
36"	35 1⁄4"	1 5⁄8"	32	42 3⁄4"	46"	
42"	42"	1 5⁄8"	36	49 1⁄2"	53	
48"	47 1⁄4"	1 5⁄8"	44	56"	59 1⁄2"	
20"	20"	3⁄4"	16	23 1⁄2"	26"	API 650
24"	24"	3⁄4"	20	27 1⁄2"	30"	

Model Number Selection

The model number will consist of a base number 95210 followed by 6 digit numbers. These digits will represent 5 option tables.

95210 - AB - CD - EF

Ordering Information

Specify:

- 1. Model 95210 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 Table C, Option 1
- 8. ATEX Certification for II 1 G Ex h II B T1...T6 Ga EU Locations, use Table C, Option 2

Table AB - Size & Material

Size (Inches)	Option AB Aluminum Base	Option AB Steel Base	Option AB 316S.S. Base
16	01	11	21
20	02	12	22
24	03	13	23
30	04	14	24
36	05	15	25
42	06	16	26
48	07	17	27
18	08	18	28

Table C - CE or ATEX

Option C	Description
0	Standard
2	ATEX Certified

Table E - Seal

Option E	Seal
0	CR
1	NBR

Table D - Drilling

Option D	Description
1	API 650*
2	ANSI (125/150 lb. FF)
3	Not Drilled (WELD)
4	Other**

Table F - Clamping Hardware

Option F	Clamping Hardware
0	Steel
1	Brass
2	Stainless Steel
3	Bronze

*Available in 20" & 24" sizes only, Consult Factory for other patterns.
** Not available for ATEX Models

Summary

The Shand & Jurs® 95210 Clamping Manway Cover ensures secure, low-pressure access to tanks while providing vapor containment and weather protection. Its threaded compression design, hinged access configuration, and flexible material options ensure reliable sealing performance for petroleum, chemical, and industrial storage applications. The standard flange drilling and size range, available from 16 inches to 48 inches, facilitates easy integration into engineered tank systems where safe and repeatable access is necessary.

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