

95021

Quick-Clamp Gauge Hatch

The Shand & Jurs® Model 95021 provides pressure-compatible access for manual gauging and sampling on storage tanks operating above atmospheric pressure. Opening a hatch temporarily disrupts containment; the hatch must be closed with consistent force to restore normal tank pressure behavior after each access event.

A cam-actuated Quick-Clamp mechanism applies repeatable compression to a flexible diaphragm seal, maintaining vapor-tight closure up to 3 PSIG. Because sealing load is mechanically defined rather than operator-applied, the hatch returns the tank to a stable condition following routine inspection. The hinged cover allows controlled opening while the foot-actuated arm permits access without removing gloves or tools during normal procedures.

Available in 4–12 in. sizes with ANSI Class 150 or EN PN16 connections, the 95021 supports consistent containment on tanks requiring frequent access.



Key Features

Cam-actuated Quick-Clamp mechanism

Maintains a constant set pressure independent of variations in inlet supply pressure.

Hinged controlled-opening cover

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Flexible diaphragm sealing interface

Maintains reseal integrity after repeated opening cycles.

Foot-actuated opening arm

Allows access while maintaining PPE and tool handling.

Pressure-rated closure (3 PSIG)

Suitable for pressure-controlled atmospheric tanks.

Multi-material construction

Compatibility across petroleum, chemical, and wastewater services.

Benefits



REPEATABLE CLAMP COMPRESSION

Restores stable tank pressure after gauging events.



CONSISTENT RESEALING BEHAVIOR

Reduces chronic fugitive emissions from daily access.



CONTROLLED OPENING MOTION

Prevents disturbance of conservation vent operation.



HANDS-FREE ACCESS

Reduces procedural delays during inspection rounds.



PRESSURE-COMPATIBLE CLOSURE

Supports emissions-compliance strategies for working tanks.



UNIFORM SEALING FORCE

Minimizes vapor loss compared to inconsistent manual tightening.

Available Options



Screw-down clamp cover

Alternative manual compression sealing method.



Unclamped cover

Access without pressure retention function.



Locking provisions

Prevents unauthorized opening. Quick-Clamp (Standard). Screw-down or Unclamped available.



ATEX configuration

Spark-resistant design for classified areas.



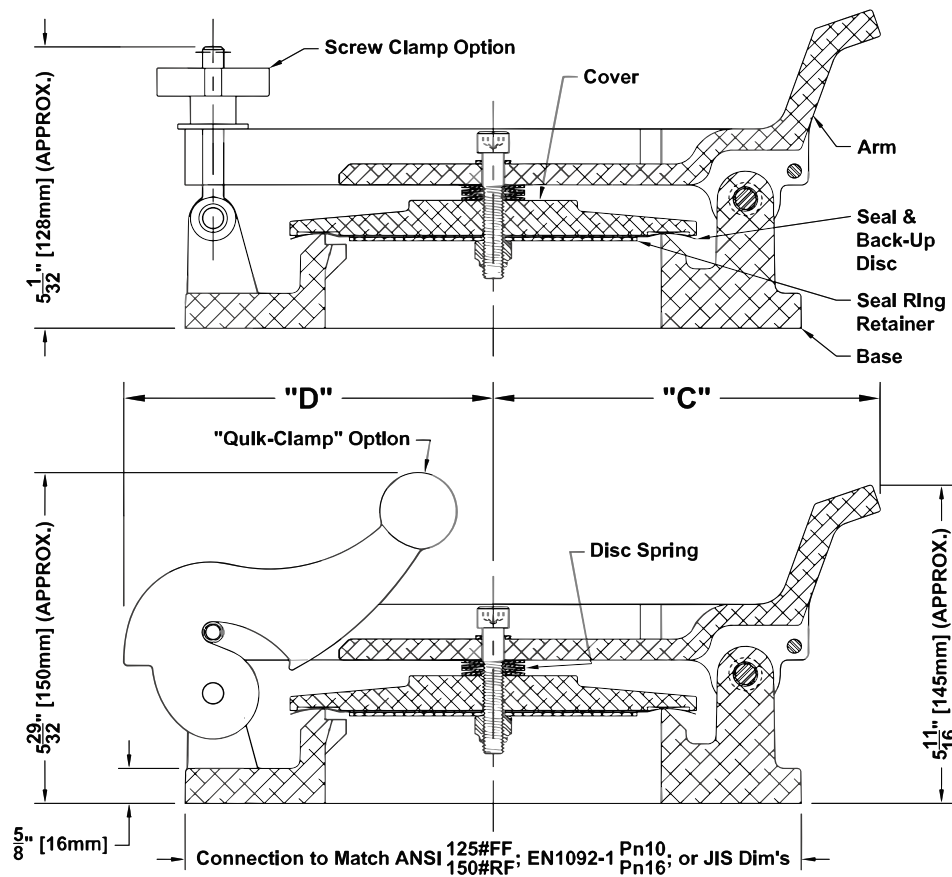
S-hook sampler support

Suspends thermometer or sampling equipment.

Key Performance Data

Parameter	Value
Device Type	Gauge hatch
Maximum Working Pressure	3 psig (clamped)
Nominal Sizes	4", 6", 8", 10", 12"
Connection Types	ANSI 150 RF (Standard). FF available. EN1092-1 PN16
Sealing Method	Flexible diaphragm
Clamping Types	Quick-Clamp (Standard). Screw-down or Unclamped available.
Operation	Foot-actuated or manual
Body & Cover Materials	Aluminum, Carbon Steel, 316 Stainless Steel
Diaphragm Materials	FEP, FKM, NBR, EPDM, TCF
Hardware	Stainless Steel

Dimensions



Size	Inlet Diameter	Flange "D"	"C"	"D"
4"	4" (102 mm)	9" (229 mm)	5 ²⁹ / ₃₂ " (150 mm)	5 ¹⁹ / ₃₂ " (142 mm)
6"	6" (152 mm)	11" (279 mm)	6 ²⁹ / ₃₂ " (175 mm)	6 ¹⁹ / ₃₂ " (168 mm)
8"	8" (203 mm)	13 ½" (343 mm)	7 ²⁹ / ₃₂ " (201 mm)	7 ²⁷ / ₃₂ " (199 mm)
10"	10" (254 mm)	16" (406 mm)	8 ²⁹ / ₃₂ " (226 mm)	9 ³ / ₃₂ " (231 mm)
12"	11 ¾ " (299 mm)	19 5/16 " (491 mm)	11 ¼ " (286 mm)	10 ¼ " (260 mm)

Note: Raised faced flanges with smooth finish are standard.
For optional serrated raised faced flanges, consult factory.

Model Number Selection

The model number will consist of a base number 95021 followed by 6 digit numbers. These digits will represent 5 option tables.

95021 - A - BC - D - E - F

Ordering Information

Specify:

- 1. Model 95021 Gauge Hatch
- 2. Size
- 3. Connection Type*
- 4. Clamping Cover Style
- 5. Material
- 6. Specify S-hook if required
- 7. Locking Option
- 8. ATEX Certification for II 1 G Ex h II B T1...T6 Ga EU Locations

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

Table A - Connection (Mounting Flange)

Option A	Description
0	ANSI-FF 150 lb. Bolted
1	ANSI-FF 150 lb. Undrilled
2	ANSI-RF 150 lb. Bolted
3	EN1092-1 PN16 FF Bolted
4	EN1092-1 PN16 RF* Bolted

Table D - Clamping Type

Option D	Description
0	Unclamped
1	Screw Down
2	Quick Clamp

Table BC - Size & Material

Table BC	Size	Material
4A	4"	Aluminum
4B	4"	Steel
4C	4"	316SS
6A	6"	Aluminum
6B	6"	Steel
6C	6"	316SS
8A	8"	Aluminum
8B	8"	Steel
8C	8"	316SS
0A	10"	Aluminum
0B	10"	Steel
0C	10"	316SS
1A	12"	Aluminum
1B	12"	Steel
1C	12"	316SS

Table E - Softgoods

Option E	Connection
0	FEP with Fiber Back-Up Disc
1	FEP with GPTFE Back-Up Disc
2	FKM (Back-Up Disc Not Required)
3	NBR (Back-Up Disc Not Required)
4	EPDM (Back-Up Disc Not Required)
5	TCF with GPTFE Back-Up (500 F Max)

Table F - Locking Provision

Option F	Body Material
0	Standard No Lock
1	Locking on Quick-Clamp / Screw Down
4	ATEX - No Lock
5	ATEX - Locking on Q-Clamp / Screw Down

Summary

The Model 95021 allows routine tank access while restoring the system to a defined sealed condition after each opening event. The cam-actuated clamp removes operator-dependent sealing variability, maintaining stable pressure behavior and vapor containment. It supports frequent inspection practices without compromising the performance of conservation vents on working storage tanks.

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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