

97187



Shand & Jurs Co.

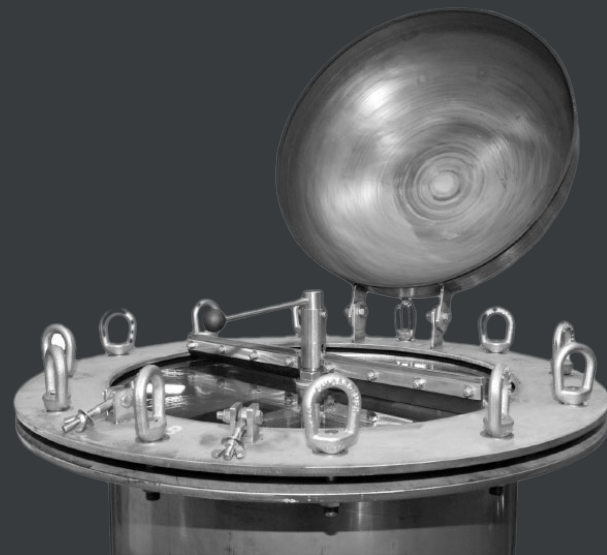
A COGNESENSE BRAND

View Port Inspection Cover (Closed-System Observation Port)

The Shand & Jurs Biogas® Model 97187 provides visual inspection of the vessel interior without opening the system. Installed on tanks, digesters, and gas-handling equipment, the cover incorporates a sealed viewing window that allows operators to verify internal conditions while maintaining containment.

Routine inspection normally requires opening a hatch, venting gas, and issuing confined-space procedures. The sealed window enables verification of liquid level, mixing, foam, or equipment condition while the vessel remains pressurized. A bolted cover compresses a gasketed glass assembly to maintain a gas-tight seal during operation, allowing observation without disturbing process pressure or atmosphere. Both internal and external wipers are available along with a sprayer system for cleaning the viewing area during operation. Optional illuminators are available upon request.

Available in 8" to 24" ANSI flange connections and suitable for low-pressure storage systems, the Model 97187 functions as a permanent observation point for operational checks and troubleshooting without breaking containment.



Key Features

Sealed glass viewing window

Allows internal inspection without opening the vessel

Bolted compression cover

Maintains gas-tight containment during observation and protects the inspection surface.

Replaceable gasketed assembly

Restores sealing integrity after service

Standard flange mounting

Integrates onto existing flange connections.

Corrosion-resistant construction

Suitable for wet gas and wastewater environments

Flush internal profile

Minimizes buildup around the viewing area



Benefits



CLOSED-SYSTEM INSPECTION

Confirms internal conditions without venting the vessel



NO CONFINED-SPACE OPENING

Eliminates entry permits and associated labor procedures



MAINTAINED CONTAINMENT

Prevents the release of gas during routine checks



IMMEDIATE VISUAL VERIFICATION

Speeds troubleshooting and operational decisions



REDUCED INSPECTION STEPS

Lowers routine maintenance time requirements



LOWERS ROUTINE MAINTENANCE TIME REQUIREMENTS

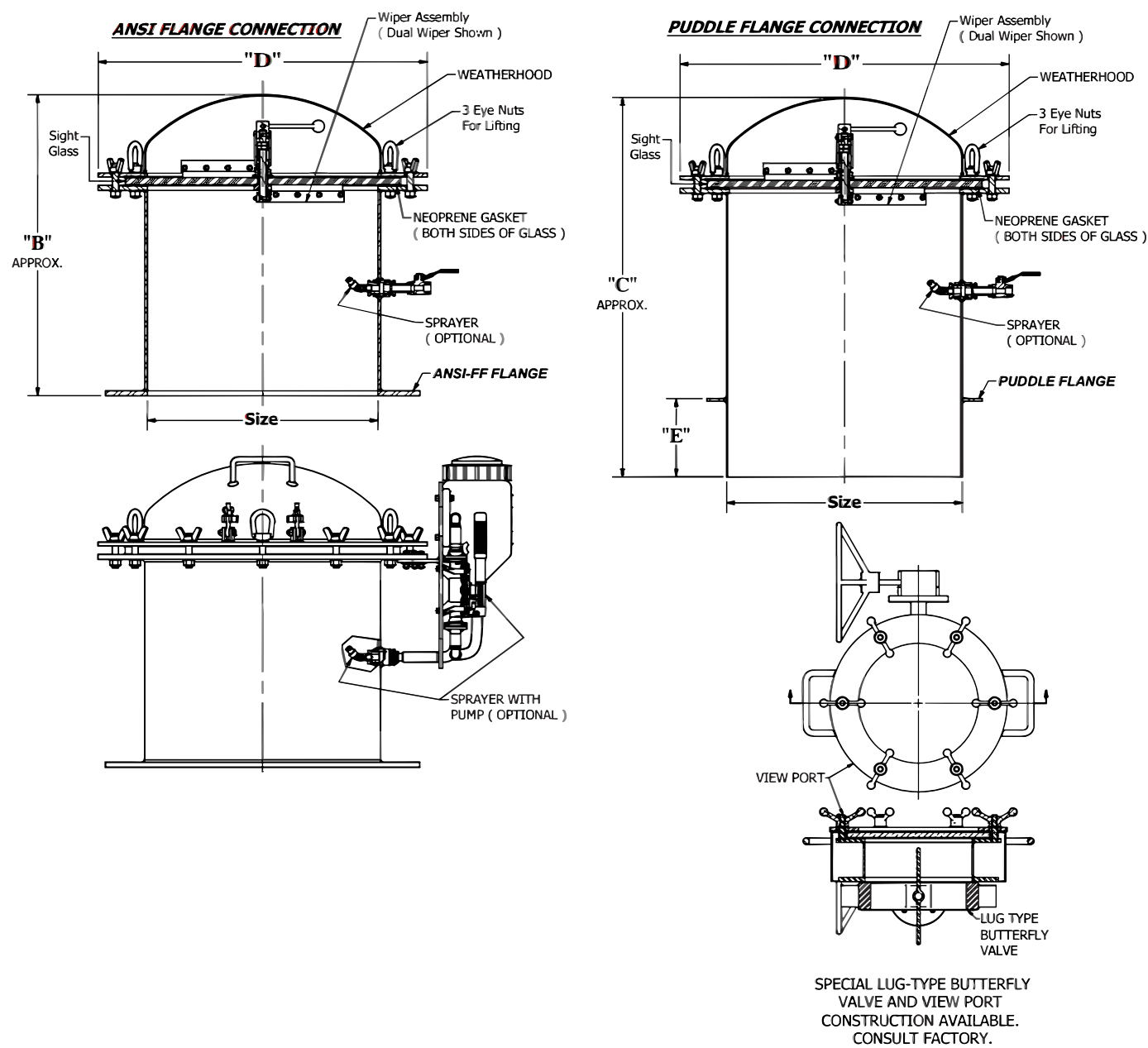
Avoids shutdowns for verification activities

Key Performance Data

Parameter	Value
Function	Sealed Visual Inspection Port
Mounting	Flanged / nozzle-mounted
Viewing Element	Tempered safety glass
Seal Type	Gasketed compression seal
Wipers	Internal, External or Both
Body Material	Aluminum or Stainless Steel
Window Retainer Hardware	Stainless Steel or 316 Stainless Steel
Hardware	Quick Release
Gasket Material	NBR or equivalent
Hood	Aluminum or Stainless Steel



Dimensions



Size	"B"	"C"	"D"	"E"
8 [200]	23 3/8 [594]	25 1/2 [648]	14 [356]	4 [102]
10 [255]	23 3/8 [594]	25 1/2 [648]	16 [406]	4 [102]
12 [305]	23 3/8 [594]	25 1/2 [648]	19 [483]	4 [102]
16 [406]	28 3/4 [730]	33 3/4 [857]	22 1/2 [572]	6 [152]
20 [508]	29 3/4 [756]	36 3/4 [933]	26 [660]	7 [178]
24 [610]	30 3/4 [781]	38 3/4 [984]	33 1/2 [851]	8 [203]

All measurements are (Inches [mm])



Model Number Selection

The model number will have a base number 97187 followed by 7 digit numbers. These digits will represent 6 sets of option tables.

97187 - A -BC - D - E - F- G

Table A - Hardware

Option A	Hardware
1	Stainless Steel
2	Stainless Steel & Quick Release
3	316SS Quick Release

Table D - Body & Hood Material

Option D	Description
0	Aluminum
1	Carbon Steel with 304 Hood
2	304 Stainless Steel
3	316/316L Stainless Steel

Table E - Window Size

Option E	Description
1	8"
2	10"
3	12"
4	16"
5	20"
6	24"

* Option "E" must be same as option "BC"

Summary

Routine inspection should not require opening a vessel. The Model 97187 provides direct visual verification of internal conditions while maintaining containment, eliminating the need for venting or entry procedures. Installed as a permanent inspection point, it reduces maintenance effort and supports safer operational checks.

Table BC - Base Size & Type

Option BC	Size	Type
1A	8"	ANSI-FF
2A	10"	
3A	12"	
4A	16"	
5A	20"	
6A	24"	
1B	8"	Pipe Stub with Puddle Flange
2B	10"	
3B	12"	
4B	16"	
5B	20"	
6B	24"	

Table F - Window, Gasket Material & Wiper

Option F	Window / Gasket / Wiper
0	Tempered Glass / Neoprene / No Wiper
1	Tempered Glass / Neoprene / Dual Wiper
2	Tempered Glass / Neoprene / Interior Wipe Only
3	Polycarbonate / Neoprene / No Wiper
4	Polycarbonate / Neoprene / Dual Wiper
5	Polycarbonate / Neoprene / Interior Wiper Only

Table G - Sprayer Acessories

Option E	Description
1	None
2	Sprayer
3	Sprayer with Hand Pump

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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