

97125



Shand & Jurs Co.

A COGNESENSE BRAND

Condensate Accumulator

The Shand & Jurs Biogas Model 97125 Condensate Accumulator is a liquid storage vessel used in low-pressure gas piping systems to collect and manage condensation before controlled discharge. Installed at system low points, it provides a collection volume between the separation equipment and the drip traps, ensuring a stable gas flow to downstream devices.

As saturated gas cools during transport, liquid forms continuously and can exceed instantaneous drain capacity. The accumulator stores this liquid until it reaches the internal drip-leg elevation, at which point it is removed through the drain connection without interrupting operation. This buffering action prevents slug flow and stabilizes regulators, burners, and instrumentation.

Capacities of 13 or 125 gallons are available with working pressures of 5 or 25 PSIG and a 4-inch ANSI inlet. Level switches and solenoid operation allow automatic discharge control while keeping a water seal so that gas does not exit the tank.

For upstream contaminant removal, see Model 97120 Sediment Trap.
For discharge devices, see the 97100/97110 Drip Trap series.



Key Features

Internal drip leg discharge

Allows liquid evacuation without depressurizing the vessel.

Large storage volume

Buffers condensate surges during saturated-gas cooling.

13 or 125-gallon capacities

Supports intermittent or continuous condensation rates.

High and low level switches & solenoid

Enables automatic discharge control and ensures water seal so gas does not escape through internal drip leg.

Sight glass connections

Provides visual level verification during operation.

5psi (standard) or 25 PSIG pressure ratings

Matches low-pressure gas conditioning service.

Benefits



STORES CONDENSATE BEFORE DRAINING.

Prevents slug flow into regulators and burners.



STABILIZES LIQUID DISCHARGE

Reduces nuisance shutdowns and unstable combustion.



PROTECTS DOWNSTREAM EQUIPMENT

Prevents corrosion, fouling, and blockage failures.



CONTROLLED EVACUATION

Avoids opening piping or breaking containment.



COMPATIBLE WITH AUTOMATIC CONTROLS

Enables unattended system operation.



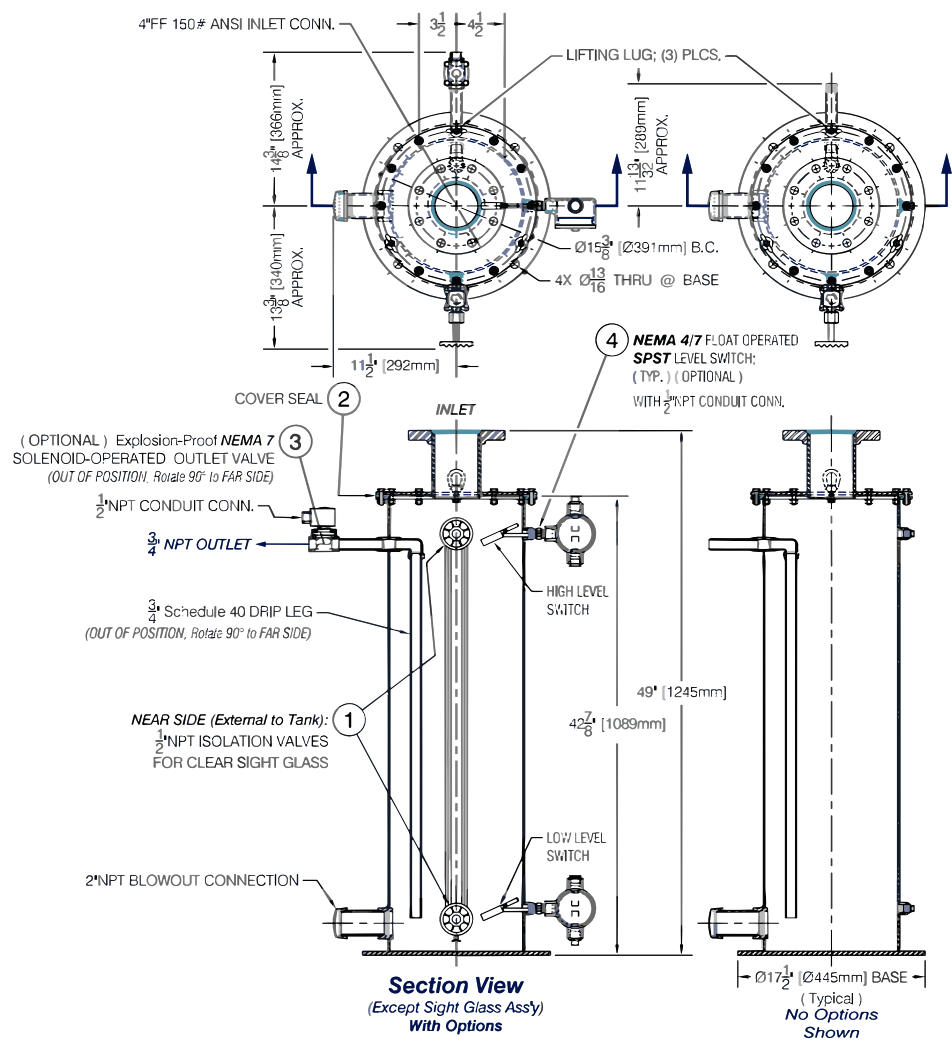
MAINTAINS DRY GAS DELIVERY

Improves reliability across the gas utilization system.

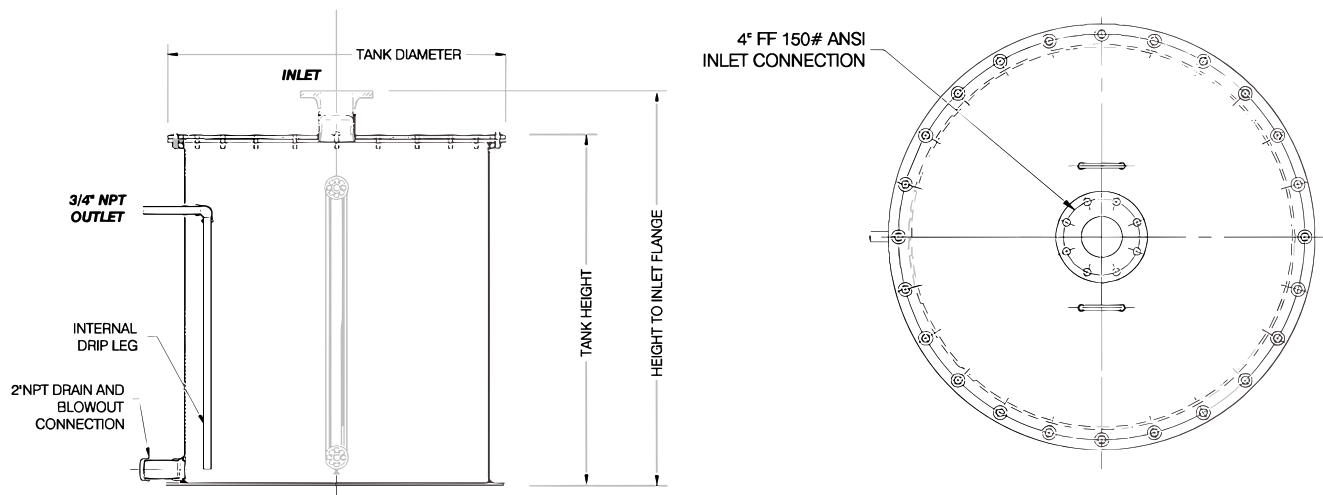
Key Performance Data

Parameter	Value
Function	Condensate storage and controlled discharge
Capacity	13 or 125 gallons
Working Pressure	5 or 25 PSIG
Inlet	4" ANSI 125/150 flat face flange (alternate connections are available)
Drain	3/4" NPT male
Blowout Connection	2" NPT male
Sight Glass Ports	Two 1/2" FNPT, 316SS, Brass or Bronze
Materials	Carbon Steel, 304, 316, 316L SS
Seals	NBR or CR
Hardware	Stainless Steel
Switches and Solenoid	NEMA 7

13 Gallon 97125 Dimensions:



Dimensions:



Tank Capacity	Dimensions (Inches [mm])		
	Tank Diameter	Tank Height	Height to Flange
13 Gallon	12 3/4 [324]	43 1/4 [1099]	49 [1245]
125 Gallon	42 [1067]	43 1/2 [1105]	49 [1245]

Model Number Selection

The model number will have a base number 97125 followed by 6 digit numbers. These digits will represent 6 sets of option tables.

97125 - AB - CD - EF

Table A - Working Pressure

Option A	Working Pressure
0	25 psi
1	5 psi

Table B - Gallons

Option B	Gallons
1	13
2	125

Table C - Material

Option C	Material
0	Carbon Steel (Primer Only)
1	Carbon Steel (Epoxy Coated)
2	Carbon Steel (Galvanized)
3	316 Stainless Steel
4	316L Stainless Steel
5	304 Stainless Steel

Table D - Sight Glass Hardware

Option D	Sight Glass
0	None - Two - 1/2" FNPT Taps
1	316 Stainless Steel
2	Brass
3	Bronze

Table E - Level Switch/Solenoid*

Option E	High / Low Level Switch
0	None
1	High / Low Level Switch NEMA 7
2	Solenoid NEMA 7
3	Level Switch and Solenoid NEMA 7

*NEMA 7 NEC Class I Group D

Table F - Softgoods

Option F	Softgoods
1	NBR
2	CR

Summary

The 97125 manages condensate volume rather than simply separating or draining it. By buffering liquid accumulation and stabilizing discharge, it prevents carryover and protects downstream equipment, making it the central conditioning component between separation and drainage devices in wet gas systems.

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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