

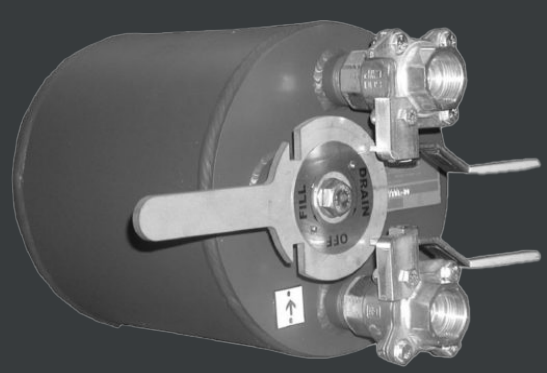
97101

High-Pressure Manual Drip Trap

The Shand & Jurs Biogas Model 97101 High-Pressure Drip Trap is designed to safely remove accumulated condensate from pressurized biogas, digester gas, landfill gas, and vapor recovery piping systems without depressurizing the line. The unit provides controlled liquid drainage while maintaining system containment and preventing gas release to the atmosphere.

The trap utilizes a heavy-duty isolation valve and sealed drain chamber to allow operators to manually evacuate liquid buildup in high-pressure piping sections, knock-out pots, and low points. By preventing condensate carryover, the 97101 protects downstream equipment from corrosion, and fouling.

For automated condensate removal without operator intervention, see the 97101E Electric Actuated Drip Trap.



Key Features

High-pressure-rated sealed chamber.

Allows drainage without a depressurizing process piping

Manual isolation valve control

Operator-controlled discharge for maintenance procedures

Heavy-duty corrosion-resistant body

Long service life in wet and acidic gas environments

Integrated liquid collection sump

Prevents condensate carryover into downstream equipment

Serviceable internal components

Simplifies inspection and routine maintenance

Compact inline installation

Installs easily at piping low points and drip legs



Benefits



PROTECTS HIGH PRESSURE VESSELS AND LINES.

Avoids equipment damage and costly downtime



PREVENTS LIQUID CARRYOVER

Maintains combustion stability and measurement accuracy



CONTROLLED MANUAL DRAINING

Eliminates hazardous piping disassembly procedures



CORROSION REDUCTION

Extends the life of flame arresters and control valves



PREVENTS GAS DISCHARGE DURING DRAINING

No release of methane gas in confined locations.



ENABLES SAFE MAINTENANCE ROUTINE

Lowers labor and emergency repair costs

Available Options



Stainless steel construction

Corrosion resistance for aggressive gas streams



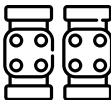
NPT connections

Matches site piping standards



Lockable valve handle

Prevents unauthorized operation



Drain connection adapters

Direct piping to sump or container



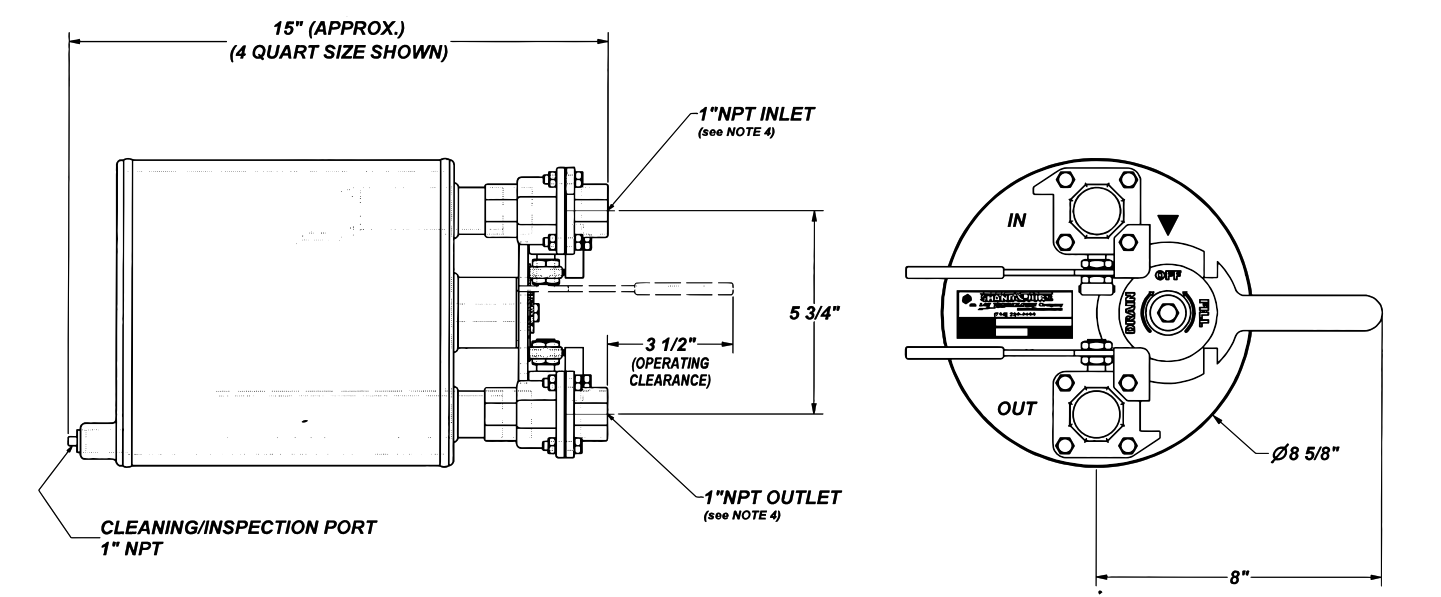
Insulation Jackets

Freeze protection in cold climates

Key Performance Data

Parameter	Value
Function	Manual condensate removal
Reservoir Capacity	4 or 6 quart
Rated Pressure	100psig
Operation	Manual valve controlled
Installation	Low point drip leg
Connections	Threaded
Materials	Carbon steel or stainless steel
Sealing Method	Positive shutoff isolation valve
Maintenance	Field serviceable
Temperature	Suitable for saturated gas service
Discharge	Operator-controlled drain
Mounting	Vertical orientation

Dimensions



Model Number Selection

The model number will have a base number 97101 followed by 2 digit numbers. These digits will represent 2 sets of option tables.

97101 - AB

Table A - Capacity

Option A	Capacity
4	4 Quart
6	6 Quart

Table B - Material

Option B	Material
0	Steel Body, Brass Ball Valve, Teflon Seat
1	Stainless Steel Body and Ball Valve, Teflon Seat

Summary

Best suited for attended facilities or maintenance-based operations where operators perform scheduled draining. Provides safe, controlled condensate removal while maintaining line containment and protecting downstream equipment without requiring power or controls integration.

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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

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