

97101E High Pressure Drip Trap with Electric Actuator

The S&J 97101E High Pressure Drip Trap with Electric Actuator provides for the automatic, continuous, safe removal of condensate from low points in high pressure gas piping systems. The S&J 97101E is available in 4 quart or 6 quart sizes and with 1" NPT inlets and outlets. It easily adapts to any condensation or drainage collection requirement. Removing condensed liquid protects the piping and equipment from corrosion and "water hammer" damage. The 97101E can be mounted in Class 1, Division 1, Gas Group D rated areas.

The unit automatically collects liquid until the drain valve is electrically opened. The inlet valve is electrically closed prior to opening the drain port allowing for the removal of condensate without gas escaping.

With its electrically automated ball plug valves, the rotary actuators are mounted on to the drip trap and are electrically interlocked for safe operation. To control the fill and drain sequence of the drip trap, a timer is available. The timer is user programmed and set to control operation of the drip trap in intervals of 10 minutes to 10 hours.

An optional Local Control Panel, the 97101P, is also available in NEMA 4X or NEMA 7 enclosures. When this model is selected, choose the 97101E option with no timer.

The S&J 97101E is available in Carbon Steel and Stainless Steel body options. It is especially designed for wet methane which is the main component of digester gas streams in municipal waste water treatment facilities.



Features

- Positive Gas Shut-off While Draining
- Optional Local Control Panel (LCP) available in NEMA 4X Fiberglass, NEMA 4X 304/316 Stainless Steel, or NEMA 7 Aluminum
- Double-seal ball plug valves
- 100 PSIG Standard
- 4 Quart or 6 Quart Capacity
- Programmable Timer (Internal or in LCP)
- Carbon Steel or Stainless Steel Construction

Specifications:

Available Sizes/Capacity

4 Quart or 6 Quart

Inlet/Outlet Connections

1" NPT

Materials of Construction

Carbon Steel Body, Brass Ball Valve, Teflon Seat or Stainless Steel Body and Ball Valve, Teflon Seat

Maximum Working Pressure

100 PSIG

Electronic Actuator:

120 VAC 60 Hz, 1 Phase (220 VAC Model available)
 Temp. Rating: -40°F to +150°F (with heater)
 NEMA 7, Aluminum Enclosure (Class 1, Div 1 & 2, Gas Group D)
 Permanent Lubrication; High Torque Capability
 Visual Indication: Open/Close;
 Indication Contacts: Open/Close SPDT;
 Auxiliary Limit Switches (Optional): Open/Close SPDT

All designs subject to change. Certified dimensions and specifications available upon request.

97101E Ordering Guide

Model Number Selection

The model number will have a base number **97101E** followed by 3 digit numbers. These digits will represent 3 sets of option tables.

97101E - AB - C

Table A - Capacity

Option A	Capacity
4	4 Quart
6	6 Quart

Table C - Actuator

Option C	Actuator
0	No timer, NEMA 7
1	With timer, NEMA 7

Table B - Material

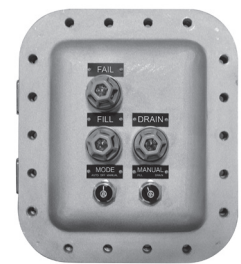
Option B	Material
0	Steel Body, Brass Ball Valve, Teflon Seat
1	Stainless Steel Body and Ball Valve, Teflon Seat

97101P Local Control Panel

The 97101P Local Control Panel can control up to 8 97101E units maximum. Selectors include Auto/Local Mode and Local Fill/Drain. Indicators show when the drip trap is filling or draining. An optional fail indicator is also available. Optional status and fail dry contacts for user control are available. The Local Control Panel is available for manual control only or with automatic timers. Typical enclosures available are NEMA 4X Fiberglass, 304 Stainless Steel, 316 Stainless Steel or NEMA 7 Aluminum.



NEMA 4X Fiberglass Panel



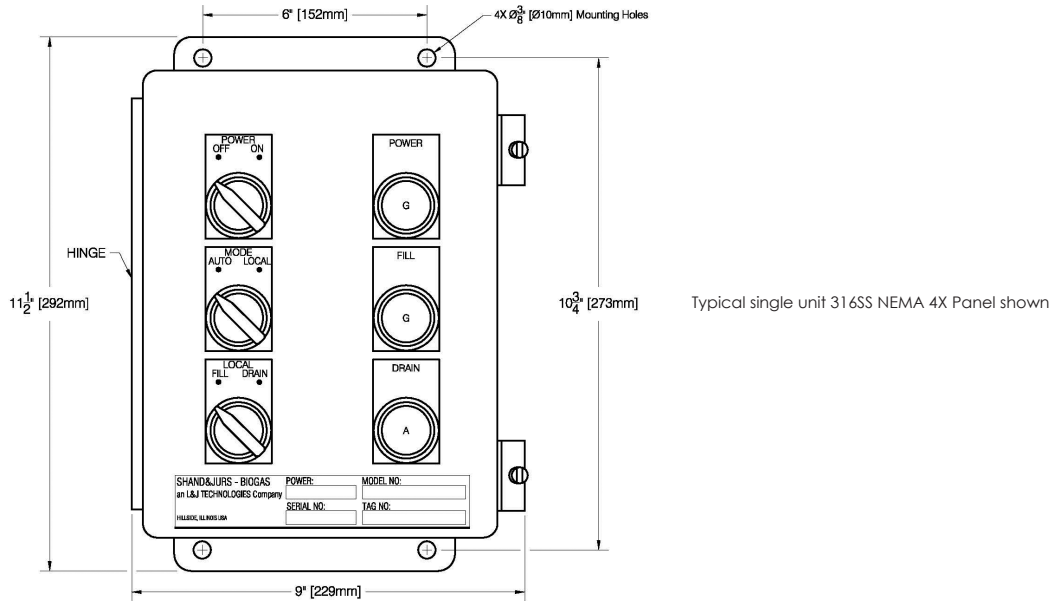
NEMA 7 Panel

97101E

High Pressure Drip Trap with Electric Actuator



Dimensions:



All designs subject to change. Certified dimensions and specifications available upon request.

97101P Ordering Guide

Model Number Selection

The model number will have a base number **97101P** followed by 4 digit numbers. These digits will represent 4 sets of option tables.

97101P - AB - CD

Table A - Capacity

Option A	Capacity
1	1 Unit
2	2 Units
3	3 Units
4	4 Units
5	5 Units
6	6 Units
7	7 Units
8	8 Units

Table B - Enclosure Type

Option B	Enclosure Type
1	NEMA 4X Fiberglass
2	NEMA 4X 316 Stainless Steel
3	NEMA 4X 304 Stainless Steel
4	NEMA 7 Aluminum

Table C - Control/Power*

Option C	Control Type
1	Manual / 110 VAC
2	Automatic with Timer / 110 VAC

* 220 VAC available; UL 508 certification available

Table D - Options

Option D	Options
0	None
1	Status Contacts
2	Status Contacts with Fail Outputs

