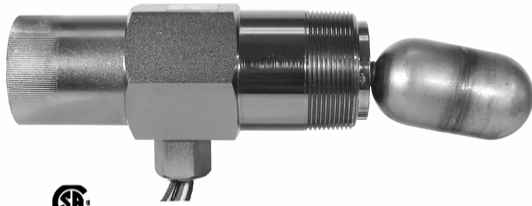


# LS200 & L1100 Series Liquid Level Switches

## Electric Switch



Pending

**LS200** Liquid Level Switches with 2" NPT mounting are float activated to operate an electrical SPDT snap switch (optional DPDT on some models) for alarm or shutdown of an engine or electric motor. The LS200 connects directly into the vessel wall and can be used with a weld collar (P/N 15050375) or Murphy external float chamber. L1100 models (1-1/2" NPT) are also available.

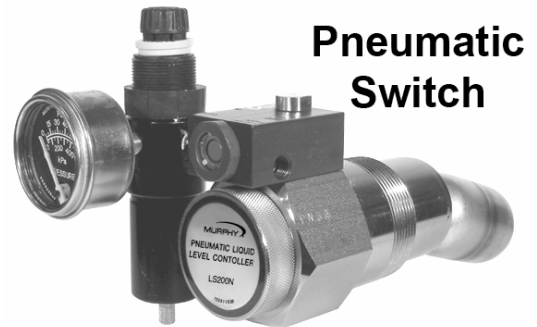
**LS200NDVOR** is a float-activated, pneumatic-vent level device used to operate dump valves or similar devices.

The LS200NDVOR provides a 2" NPT mounting with a pneumatic snap action output for interfacing with pneumatic devices such as our Murphy pneumatic dump valve or with other pneumatic instrumentation.

Pneumatic media devices require clean, dry, instrument quality air or gas. This unit is supplied with a pressure regulator, filter and Murphy 20BPG pressure gage for improved system life and trouble-free operation.

**LS200NDVO** is a pneumatic level switch with snap action Dump Valve Operator (DVO) without the pressure regulator for those applications where the system provides a filter regulator for "instrument quality" air or gas as the control medium.

**LS200N** is the pneumatic level switch without the DVO and filter regulator.



## Pneumatic Switch

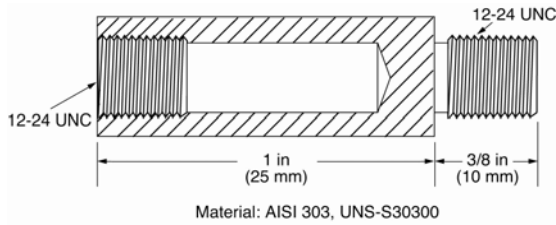
### Features

- Designed for harsh gas compressor scrubber applications
- 304 stainless steel float operates in 0.5 specific gravity and heavier fluids
- LS200 series rated for 2000 psi (13.8 MPa) [138 bar] working pressure
- Electric and pneumatic models available
- Improved design provides better snap action and dependability with reduced number of moving parts
- All models screw directly into the vessel or can be mounted via external float chamber
- Nickel plated body to provide enhanced corrosion protection
- Improved float connection thread design provides a more secure connection
- Listed for Class I, Div. 1, Grp. C & D locations
- Canadian Registration Number OF1476.2

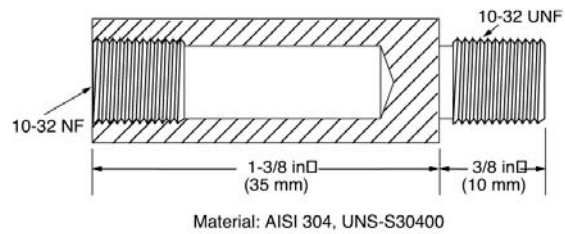


## Accessories - continued

### Float Shaft Extension 15000478 (LS200 only)

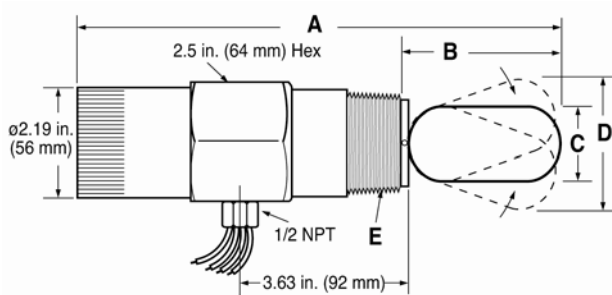


### Float Shaft Extension 15000892 (L1100 only)



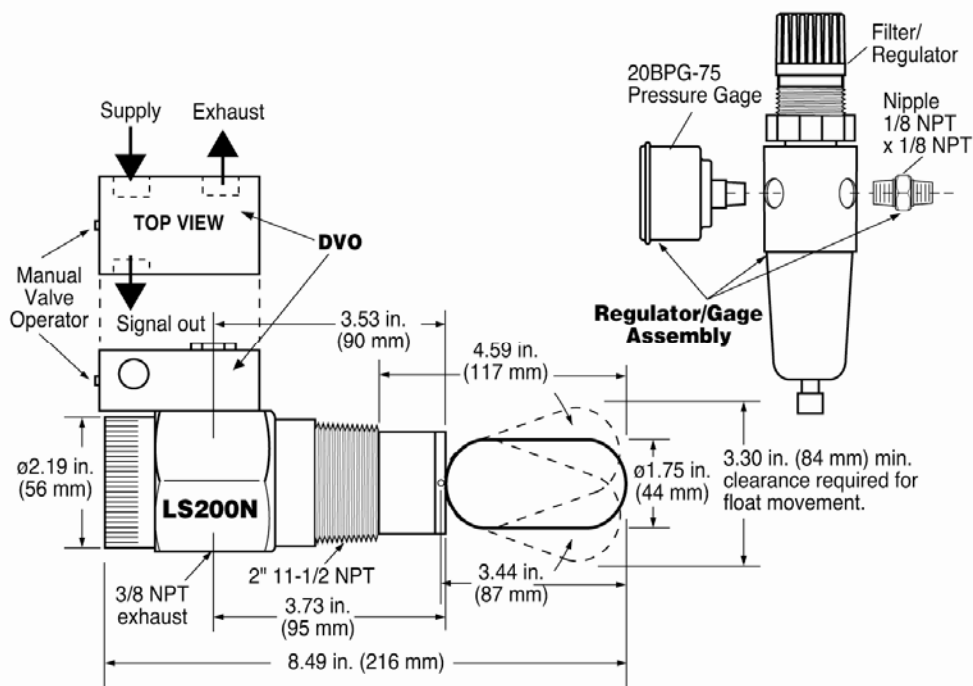
## Product Dimensions

### LS200, L1100



	1. LS200	1. L1100
A	10.16 in. (258 mm)	11 in. (279 mm)
B	3.44 in. (87 mm)	3.50 in. (189 mm)
C	1.75 in. (44 mm)	1.56 in. (40 mm)
D	2.80 in. (71 mm)	3.4 in. (71 mm)
E	6. 2 NPT	6. 1-1/2 NPT

### LS200N, LS200NDVO and LS200NDVOR with Dump Valve Operator, Pressure Regulator & Gauge



**CAUTION: LS200 Series parts are not interchangeable with the L1200 Series.**

LS200 --

**Options:**  
**D = DPDT**  
**K = KALREZ Seals**  
**400 = 400°F (204°C) Service \*\***  
**SF - Stainless Steel Float (L1100 only)**

**Base Models:**

<b>LS200*</b>	<b>LS200SS*</b>
<b>LS200N*</b>	<b>LS200NSS*</b>
<b>LS200NDVO*</b>	<b>LS200NSSDVO*</b>
<b>LS200NDVOR*</b>	<b>LS200NSSDVOR*</b>
<b>L1100**~</b>	
<b>L1111</b>	

### How to Order your Level Switch

Build a complete model number using the diagram to the left.  
 NOTE: Refer to LS-04006N for replacement parts.

\*Pending Canadian Registration Number OF1476.2 issued by ABSA.  
 \*\*Not available with DPDT snap-switch.  
 ~Supplied with BUOYGLAS™ float.

### The Murphy Gas Compressor Scrubber Level System (SLS)

The system provides for liquid control in gas scrubber applications, by dumping liquids to drain and protecting compressors with a high liquid level switch. Wetted metal parts are made to survive constant use in corrosive environments.  
 See Bulletin: *SLS-04005B* for more details.

**Filter/Regulator & MURPHYGAGE**  
 "Instrument Quality Air/Gas Supply"

**Pneumatic Level Control**  
 Float actuated level snap-acting switch controls pneumatic pressure to open and close dump valve.  
**LS200NDVOR:** Dump Valve Operator, pressure regulator, and pressure indicating MURPHYGAGE.



**High Level Shutdown Switch**  
 Stainless steel float actuated level switches to alarm and/or shutdown the equipment.  
**LS200:** 2" NPT pipe connection; Rated 2000 psi (13.7MPa) (137bar); Class 1, Division 1, SPDT snap-switch standard. DPDT Optional.

**Pneumatic Dump Valves**  
 See DVU-01069B for more details  
 Two piece union design with manual valve operator allows soft plug and hard seat to be replaced without disassembling outlet piping or scrubber pipe connection. Diaphragm actuated valves operate on 30-70 psi (207-483 kPa; 2-5 bar).



[www.fwmurphy.com](http://www.fwmurphy.com)

(918) 317-4100 sales@fwmurphy.com

**Warranty** - A limited warranty on materials and workmanship for one year is given with this FW Murphy product. A copy of the warranty may be viewed or printed by going to [www.fwmurphy.com/support/warranty.htm](http://www.fwmurphy.com/support/warranty.htm)

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