

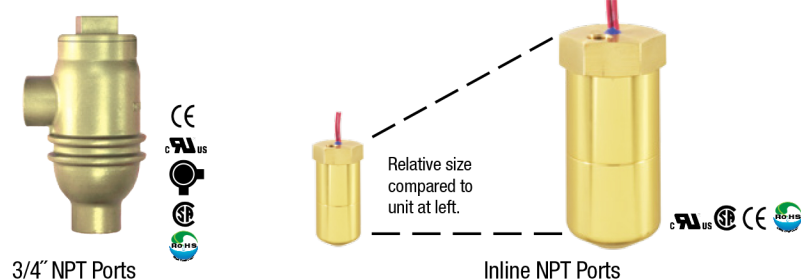
# Large Size – Alloys

## When a Switch Won't Fit In the Tank, Use a Non-Intrusive Bottle Type

Bottle type level switches are ideal for large or small tanks or where access to the inside is impractical or impossible. These units mount completely outside of the tank, at the level actuation point.

LS-800-5 Series – Single Level,  
Brass or Stainless Steel Housing

LS-159000 Series – Low Cost,  
Compact Aluminum Housing



For Remote Alarms –  
See Page E-27

- Adjustable Volume
- Indoor Outdoor
- Solid-State



## Dimensions

LS-800-5 – Brass and Stainless Steel	LS-159000
<p>VITON® O-RING 2-1/4"-12 UNF-2A THR'D 1/2" FNPT 2-5/8" (66.7mm) DIA. REF. 1/4"-20THD (2PLCS) 7" 2-1/2" (63.5 mm) 4-1/4" (107.9 mm) 3/4" NPT PORTS (2X) L<sub>1</sub> SWITCH ACTUATION LEVEL* (SEE ORDER TABLE FOR VALUE)</p>	<p>1-1/2" HEX(38 mm) 1/8"-27 NPT OUTLET PORT O-RING 1-5/16"-12UNF THREAD, REF. 3-1/4" (83 mm) 1-7/8" REF. (48 mm) 2-1/4" REF. (57 mm) 2-3/4" REF. (70 mm) 3/16"(5 mm) 1/4"-18 NPT INLET PORT FLOAT ASSEMBLY (SPHERICAL SHOWN) ACTUATION LEVEL 1-5/16" (33 mm) ±1/8"</p>
†L <sub>1</sub> = Switch actuation level, nominal (based on a liquid specific gravity of 1.0).	Switch operation is NC as shown. May be changed to NO by inverting float on stem, or by mounting unit with lead wires down.

## Common Specifications

**Electrical Termination:** No. 18 AWG, 24" L., Polymeric Lead Wires (LS-800-5) / No. 22 AWG, 24" L., Polymeric Lead Wire (LS-159000).

**Approvals:** Series Nos. LS-800-5 and LS-159000 are U.L. Recognized – File No. E45168 and CSA listed – File No. LR-30200.

RoHS – In compliance with EU-directive 2011/65/EC requirements for chemicals and substances.

**Switch Operation:** Selectable, N.O. or N.C., by inverting float on unit stem.

**Mounting Attitude:** Vertical with lead wires up.

How To Order - Select Part Number based on specifications required.

	Materials									
Series Number	Housing	Stem and Mounting	Float	Other Wetted	Min. Liquid Sp. Gr.	Pressure, PSIG, Max.	Operating Temperature	L <sub>1</sub>	Switch*	Part Number
LS-800-5	Brass	316 Stainless Steel	Beryllium Copper	.75	500 @ 70°F	-40°F to +300°F (-40°C to +148.9°C)	3/4" (19 mm)	SPST, 20 VA		172625
								SPST, 100 VA		172986
	316 Stainless Steel	S.S. ARMCO H-15-7 MO	750	7/16" (11 mm)	DPDT				172988	
					SPST, 20 VA			172635		
								DPDT		172987
LS-159000	Aluminum	Brass	316 S.S.	Beryllium Copper	.90	600 @ 70°F	-40°F to +300°F (-40°C to +148.9°C)	See Dimensions	SPST, 20 VA	144080
			Buna N	Viton®	.50	250 @ 70°F	-40°F to +250°F (oil); +180°F (water) (-40°C to +121°C [oil]; +82°C [water])			160405

\*See "Electrical Data" on Page X-5 for more information. DPDT relay information is with Dimensions above.