

Large Size – Engineered Plastics

Select from these Engineered Plastics for Aggressive or Ultra-Pure Liquids

Each of these series offers unique features. Choose from this selection when all-plastic material is desirable and tank space is not restricted.

LS-30 Series–
Polysulfone



For water-based liquids, with limited use in oils and chemicals. Cost is suited for high volume OEM use. Polysulfone material of construction complies with FDA food contact regulations.

LS-74780 –
All CPVC



Particularly well suited for rough service. Ideal for use in chemical and plating applications.

LS-1900TFE



Resists build-up of foreign material or sticky media. Float travel remains uninhibited in viscous or corrosive liquids. SPDT switch.

LS-1700TFE



A medium-size solution for ultra-pure liquid level sensing. Made of corrosion resistant PTFE for low particle generation.

Dimensions

LS-30 Series	LS-74780	LS-1900TFE	LS-1700TFE
<p>POLYMERIC JACKETED LEAD WIRES 1/4" NPT 21/32" (16.7 mm) 1-1/4" (31.8 mm)[†] 3-3/8" (85.7 mm) 2-23/32" (69.1 mm) 1-7/8" (47.6 mm) 1-7/8" DIA. (47.6 mm)</p>	<p>PVC JACKETED LEAD WIRES 1/4" NPT 21/32" (16.7 mm) 3/4" (19.1 mm) 3-7/16" (87.3 mm) 2-25/32" (70.6 mm) 1-13/16" (46.0 mm) 1-1/2" DIA. (38.1 mm)</p>	<p>TEFLON® JACKETED LEAD WIRES 1/4" NPT 13/16" (20.6 mm) .92" (22.3 mm)[†] 3-15/32" (88.1 mm) 2-21/32" (67.5 mm) 2-1/8" DIA. (54 mm) 1-15/16" (49.2 mm)</p>	<p>WIRE: 22 AWG. TEFLON JACKETED 24" TO 26" (610 mm to 660 mm) EXTENDED LENGTH 1/8" NPT REF. 5/8" REF. (15.9 mm) 1/2" HEX. REF. (12.7 mm) 2-1/2" REF. (63.5 mm) ACTUATION LEVEL 1-31/32" REF. (50.0 mm) #174105. FLOAT #174106. RETAINING CLIP 1-1/8" DIA. REF. (28.5 mm) 5/16" DIA. REF. (7.9 mm)</p>

[†]L₁ = Switch actuation level, nominal (based on a liquid specific gravity of 1.0 and N.O. dry circuit—dimension will vary for N.C. circuit).

Common Specifications

Electrical Termination: No. 18 AWG, 24" L., Lead Wires (Jacket material is indicated on dimensional drawings, above).

Approvals: LS-30 Series switches are U.L. Recognized – File No. E45168.

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

Series Number	Materials		Min. Liquid Sp. Gr.	Operating Temperature	Pressure, PSI, Max.	Switch*	Part Number	
	Stem, Mounting and Other Wetted	Float					Mounting Size	
							1/4" NPT	1/8" NPT
LS-30	Polysulfone with 316 S.S. Retaining Clip		.55	-40°F to +225°F (-40°C to +107.2°C)	50	SPST, 20 VA	46201**	—
						SPST, 100 VA	46202** ⚡	—
						SPDT, 20 VA	46203	—
LS-74780	CPVC		.85	-40°F to +180°F (-40°C to +82.2°C)	15	SPST, 20 VA	74780** ⚡	—
LS-1900TFE	Teflon®		.80	-40°F to +300°F (-40°C to +148.9°C)	30	SPDT, 20 VA	133299 ⚡	—
LS-1700TFE	PTFE		.86	+32°F to +212°F (0°C to +100°C)	25	SPST, 20 VA, N.O.	—	174100
						SPST, 20 VA, N.C.	—	174200

* See "Electrical Data" on Page X-5 for more information.

** Switch operation is selectable, N.O. or N.C., by inverting the float on the unit stem. Units are shipped N.O. unless otherwise specified.

†† 100 VA switches are not U.L. Recognized.

⚡ – Stock Items.