

Small Size – Engineered Plastics

LS-3 Series – Offers High Reliability, Compact Size and Low Costs in NPT, Straight and Metric Threads

Ideal for shallow tanks or restricted spaces, or for any low-cost, high volume use. LS-3 Series are available in FDA compliant materials, consult GEMS for details.

Polysulfone Float



For water based liquids, with limited use in oils and chemicals.

Polypropylene Float (Hollow)



Features a low specific gravity float offering broad chemical compatibility.

Polypropylene Float (Solid)



With Polypropylene stem and float, switch offers broad chemical compatibility.

Buna N Float



Ideal for oils and fuels.

ALL-PVDF



Stem and float of corrosion-resistant PVDF for ultra-pure applications.

New 3/4" Polypropylene Float



See next page for details.

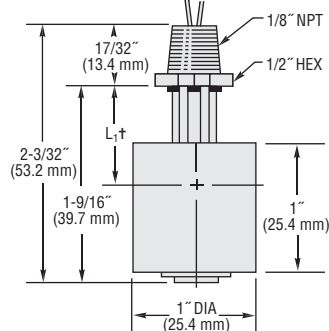
Common Specifications

Approvals: U.L. Recognized – File No. E45168; CSA Listed – File No. 30200.

CE Declaration Available Upon Request. NSF materials are Standard 61 compliant.

Switch SPST: 20 VA, 120-240 VAC. Units are shipped N.O. unless otherwise specified. Selectable, N.O. or N.C., by inverting float on unit stem.

Dimensions – 1" Float Models only



$\dagger L_1$ = Actuation Level
(see chart below)

Alternate Mountings

	3/8"-16 Straight Thread	G1/8" 1/8"-28 BSP	M12x 1.75 Straight Thread
Electrical Termination	Lead Wires	Cable	Cable

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

Stem and Mounting Material	Float Material	Float Dia.	Actuation Level [†]	Min. Liquid Sp. Gravity	Pressure Max. @ 70°F (21°C)	Operating Temperature	Mounting Type	Electrical Termination	Part Number
Polysulfone	Polysulfone	1"	3/4" (19.0 mm)	.75	50 psi (3 bar)	-40°F to +225°F (-40°C to +107°C)	1/8" NPT	Lead Wires	42295 ⚡
Polypropylene ²	Polypropylene (Hollow)	1"	13/16" (20.6 mm)	.60	50 psi (3 bar)	-40°F to +225°F (-40°C to +107°C)	1/8" NPT	Lead Wires	142505 ⚡
							3/8"-16	Lead Wires	171517
						-40°F to +176°F (-40°C to +80°C)	G 1/8"-28	Cable	171518
							M12x1.75	Cable	189739
	Polypropylene (Solid)	1"	9/16" (14.3 mm)	.90	150 psi (10 bar)	-40°F to +150°F (-40°C to +66°C)	1/8" NPT	Lead Wires	116826 ⚡
							3/8"-16	Lead Wires	171514
		3/4"	7/16" (11.1 mm)	.95	Atmospheric	-40°F to +176°F (-40°C to +80°C)	M12x1.75	Cable	189787
Nylon	Buna	1"	13/16" (20.6 mm)	.45	150 psi (10 bar)	-40°F to +250°F (oil) (-40°C to +121°C [oil])	1/8" NPT	Lead Wires	162745 ⚡
						-40°F to +176°F (-40°C to +80°C)	M12x1.75	Cable	189786
		3/4"	11/16" (17.5 mm)	.85	150 psi (10.3 bar)	-40°F to +250°F (oil) (-40°C to +121°C [oil])	1/8" NPT	Lead Wire	177818
PVDF	PVDF	1"	1/2" (12.7 mm)	.86	50 psi (3 bar)	-40°F to +250°F (-40°C to +121°C)	1/8" NPT	Teflon Jacketed Lead Wires	173250

Notes:

1. Based on a liquid specific gravity of 1.0.

2. All Polypropylene units carry a Kynar retaining clip. Accessories Available in OEM Quantities: Jam Nut, Gaskets, and Slosh Shields.

⚡ – Stock Items.

3/4" Diameter Floats for Tiny Tanks

Our smallest LS-3 yet!

- ▶ Reliable alternative to more expensive electronic sensors.
- ▶ Fits smaller devices. Less material, lower cost.
- ▶ Proprietary float more buoyant than competitors.

Small yes, but with BIG performance. No other 3/4" float switch on the market matches our LS-3 specs. These units are ideal for potable water, medical devices and other compact appliances, such as printers. Gems proprietary float enables use in lighter-than-water fluids. NSF/ FDA compliant models available at your request. Please consult factory.

Specifications

Wetted Material	
Stem and Mounting	
P/N 201540	Polypropylene with Kynar retaining clip
P/N 177818	Nylon
Float	
P/N 201540	Polypropylene
P/N 177818	Buna-N
Operating Temperature, Max.	
P/N 201540	212°F (100°C)
P/N 177818	250°F (121°C)
Pressure, Max.	
P/N 201540	Atmospheric
P/N 177818	150 psi (10.3 bar)
Color	White

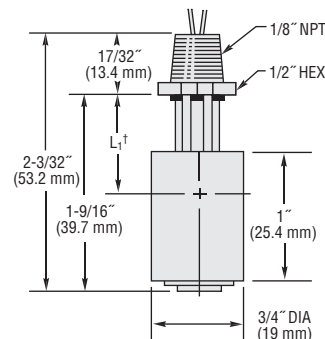
Order by Part Numbers:

LS-3, 3/4" Polypropylene Float: 201540

LS-3, 3/4" Buna-N Float: 177818



Dimensions



[†] L₁ = Actuation Level (see chart above)