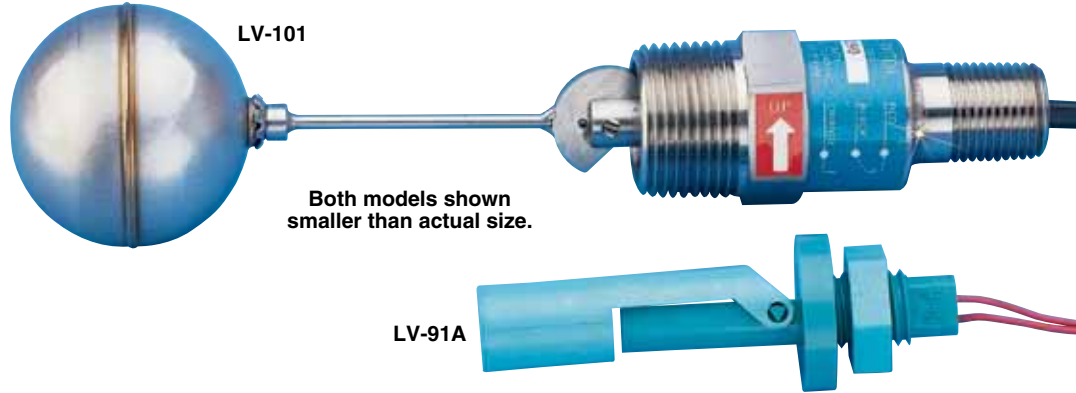


# SIDE-MOUNTED LIQUID-LEVEL SWITCHES

## For High, Low, or Intermediate Level Sensing

LV-90/100

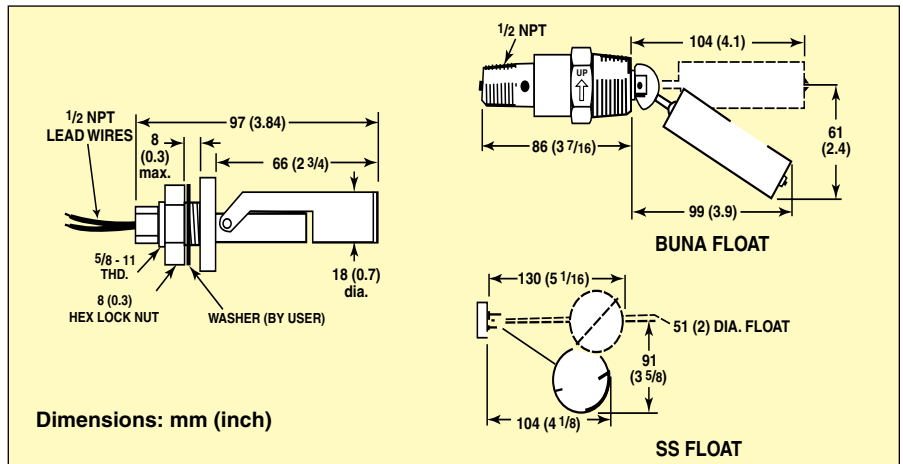


Both models shown smaller than actual size.

- ✓ Ideal for Tanks with Inaccessible Tops or Bottoms
- ✓ Low-Cost, Large-Volume OEM Models Available
- ✓ High-Pressure Models Up to 900 psi
- ✓ All-Polysulfone Models Suitable for Food Industry
- ✓ Easy to Install and Maintain

Compact, rugged, and virtually maintenance-free, the LV-90 Series level switch can meet the needs of large-volume OEMs. The sensor is designed for side mounting into tanks that have restricted space or inaccessible tops or bottoms. The all-polysulfone construction makes these switches compatible with a wide range of chemicals and is suitable for food processing applications. Magnetic SPST switch operation is normally open (dry) when units are installed with float downward, or normally closed (dry) when installed with float upward.

The LV-100 Series liquid-level switch requires side mounting into vessels, and is highly reliable. The unit should be installed in environments that are free from excessive contamination and high shock. LV-100 models are available with either Buna or 316 SS float material, both of which have positive float and cam action. These versatile level sensors feature SPDT switches that can be wired as either normally open or normally closed; other models feature SPST switches that are dedicated as either normally open or normally closed. For high-pressure applications, the switches constructed of 316 SS will withstand up to 900 psi. Visit [omega.com/level\\_ref](http://omega.com/level_ref) for maximum voltage/current ratings.



### SPECIFICATIONS

**Other Wetted Material:**  
 304 SS, 316 SS, beryllium, copper, PFA, ceramic for LV-100;  
 304 SS, PFA, ceramic for LV-101, LV-102, LV-103

**Mounting:**  
 1/2 NPT for LV-90; 5/8"-11 thd. and locknut for LV-91; 1 NPT for LV-100 Series

**Switch:**  
 SPST; SPDT for models LV-100 and LV-101

### Weight:

**LV-90 Series:** 42.5 g (1.5 oz)  
**LV-100 Series:** 374 g (13.2 oz)

### Lead Wires:

**LV-90 Series:**  
 22 AWG, 24" polymeric  
**LV-100 Series:**  
 18 AWG, 24" polymeric

### Liquid Specific Gravity:

0.8 minimum for LV-90 Series;  
 0.8 minimum for LV-100; 0.9 minimum for LV-101, LV-102, LV-103

### To Order

Model No.	Switch Rating	Stem/Float	Maximum		Liquid Spec. Gravity
			Temperature	Pressure	
LV-91A	20 VA	Polypropylene	225°F	100 psi	0.8 min
LV-100	20 VA	Brass/Buna	180°F	150 psi	0.8 min
LV-101	20 VA	316 SS	300°F	900 psi	0.9 min
LV-102	100 VA (NO)	316 SS	300°F	900 psi	0.9 min
LV-103	100 VA (NC)	316 SS	300°F	900 psi	0.9 min

Comes complete with operator's manual.

\* LV100 Series has CE approval.

\*\* LV-91A is UL rated.

NO = normally open; NC = normally closed.

**Ordering Examples:** LV-100, side-mounted liquid-level switch with a brass stem and Buna float.

LV-91A, side mounted liquid level switch with Polypropylene stem and float.