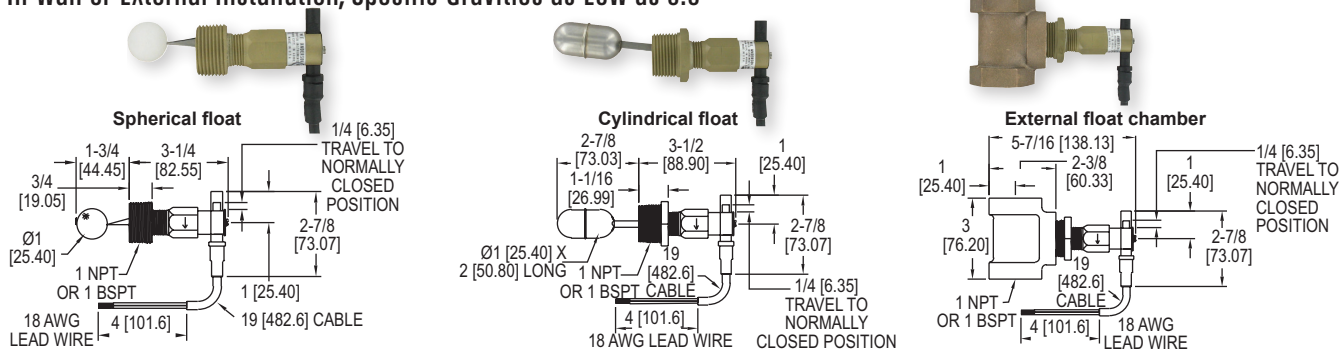


# FLOTECT® MINI-SIZE LEVEL SWITCH

Easy In-wall or External Installation, Specific Gravities as Low as 0.5



The **Series L10 FloTECT® Mini-Size Float Switch** is a series of economical, compact liquid level floats. It is offered in brass or 303 SS bodies and external tees as well as polypropylene or 304 SS floats with 1" NPT male threads, for direct side mounting through a half coupling, or with factory installed tee for external mounting. This series can be used in liquids with specific gravities as low as 0.5.

## FEATURES/BENEFITS

- Hermetically sealed, magnetically actuated SPST reed switch which is encapsulated in a polypropylene housing
- Simple field switch adjustment allows user to toggle between normally open (NO) or normally closed (NC) with no change in the electrical connection
- Switch is easily replaced without affecting process installation for quick and low cost maintenance
- Combines low cost with top quality materials and construction for great value and years of reliable liquid level control

## APPLICATIONS

- Direct pump control for maintaining level
- Automatic tank dump operations
- Level control
- Valve control

## MODEL CHART

Model	Installation	Float Material	Process Connection	Max. Pressure psig (bar)	Min. S.G.
L10-B-3-O	Side wall mounting	Polypropylene spherical	NPT	1000 (69)	0.9
L10-B-3-A	Side wall mounting	304 SS cylindrical	NPT	200 (13.8)	0.5
L10-B-3-C	Side wall mounting	304 SS spherical	NPT	350 (24.1)	0.7
L10-B-3-B	Brass tee	Polypropylene spherical	NPT	250 (17.2)	0.9
L10-B-3-H	Brass tee	304 SS spherical	NPT	250 (17.2)	0.7

## SPECIFICATIONS

**Service:** Compatible liquids.  
**Wetted Materials:** Float: Solid polypropylene or 304 SS; Body: Brass or 303 SS; Magnet: Ceramic; External float chamber (tee): None, brass, or 304 SS; Other: Lever arm, pin, spring, etc.: 301 SS, 302 SS, 316 SS.  
**Temperature Limit:** 200°F (93°C).  
**Pressure Limit:** Brass body: See chart; 303 SS body: Polypropylene float: 2000 psig (137.8 bar), Cylindrical float: 200 psig (13.8 bar), Spherical float: 350 psig (24.1 bar).  
**Enclosure Rating:** Weatherproof, meets NEMA 4X (IP66).  
**Switch Type:** SPST hermetically sealed reed switch. Field adjustable for NO or NC.  
**Electrical Rating:** 1.5 A @ 24 VDC res., 0.001 A @ 200 VDC res., 0.5 A @ 120 VAC.

**Electrical Connections:** 18 AWG, 19" (483 mm) long, PVC jacket. Rated 221°F (105°C).

**Process Connection:** 1" male NPT or 1" male BSPT on models without external float chamber. Change 3 in model number to 4 for 1-1/4"; to 5 for 1-1/2"; or 6 for 2". 1" female NPT or 1" female BSPT on models with external float chamber.

**Mounting Orientation:** Horizontal with index arrow pointing down.

**Specific Gravity:** See chart.

**Switch Enclosure:** Nylon.

**Weight:** Approximately 10 oz (0.283 kg) without external float chamber, 2.32 lb (1.05 kg) with external float chamber.

**Agency Approvals:** CE, CSA and UR.

## OPTIONS

### BSPT Process Connection and M25 Conduct Connection

**Note:** To order, add "BSPT" to the end of the model number.

**Example:** L10-B-3-0-BSPT

### 303 SS Body

**Note:** To order, change fourth character to "S". **Example:** L10-S-3-0