Rugged and reliable, the Series L4 Flotec® Level switch operates automatically to indicate tank level. Perfect for starting or stopping pumps, opening or closing valves, or actuate level alarm signals. A unique magnetically actuated switching design gives superior performance. There are no bellows, springs, or seals to fail. Instead, the free-swinging float attracts a magnet within the solid metal switch body, actuating a snap switch by means of a simple lever arm. Float arm hinge design limits the arm angle to prevent vertical hangup.

**FEATURES**

- Leak proof body machined from bar stock
- Choice of floats dependent on maximum pressure and specific gravity
- Weatherproof, designed to meet NEMA 4
- Explosion-proof (listings included in specifications)
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- Explosion-proof (listings included in specifications)
- Electrical assembly can be easily replaced without removing the unit from the installation so that the process does not have to be shut down
- Horizontal installation or optional top mount vertical installation

**APPLICATIONS**

- Direct pump control for maintaining level
- Automatic tank dump operations
- Low pressure boilers, and various waste water/sewage treatment processes
- Perfect for starting or stopping pumps, opening or closing valves, or actuate level alarm signals.

**SPECIFICATIONS**

**Service:** Liquids compatible with wetted materials.

**Wetted Materials:**
- Brass body 316 SS standard
- Nickel optional

**Temperature Limits:**
- -4 to 275°F (-20 to 135°C) standard, MT high temperature option 400°F (205°C) [MT option not UL, CSA, ATEX, or SAA].

**Pressure Limit:**
- Standard float rated 100 psig (6.9 bar).
- For other floats see options.

**Enclosure Rating:** Weatherproof and explosion-proof. Listed with UL and CSA for Class I, Groups C and D; Class II, Groups E, F, and G.

**Agency Approvals:**
- UL, CSA, FM, CE and ATEX.

**Electrical Connections:**
- UL and CSA models: 16 AWG, 6” (152 mm) long. ATEX and SAA unit: terminal block.

**Process Connection:**
- 1-1/2” NPT ANSI RF

**Level Switches**, Series L4

**OPTIONS FOR L4 SWITCHES ABOVE**

- Add suffixes to model numbers
- DPDT contacts, add suffix -D .................. add $30.00
- Gold Plated Contacts option for dry circuits, add suffix -MV (see electrical rating in specifications, no listings or approvals) .................. add $10.50
- High Temperature option rated 400°F (204°C), add suffix -MT (see electrical rating in specifications, no listings or approvals) .................. add $31.50
- Time Delay Relay option with 2 SPDT contacts, adjustable from 0-1 to 0-31 minutes. Add suffix -TRD (increasing flow) or -TRD (decreasing flow) (no listings or approvals) .................. add $417.00
- 316 SS Magnet Keeper option to replace standard 430 SS, add suffix -316 .................. add $44.50
- ATEX approved construction, add suffix -AT (ATC) .................. add $67.00
- SAA approved construction, add suffix -SAA (SAA) .................. add $51.50
- Top Mounted option for vertical flange installation (distance from flange face to centerline of float to be specified, 20” (508 mm) maximum), add suffix -TOP .................. add $6.60
- Optional Flats (all 2-1/2” spherical): 304 SS rated 50 psig (3.5 bar) and 0.5 min. s.g., add suffix -50 .................. add $27.25
- 316 SS rated 150 psig (10.3 bar) and 0.7 min. s.g., add suffix -150 .................. add $27.25
- 304 SS rated 300 psig (20.7 bar) and 0.7 min. s.g., add suffix -300 .................. add $27.25

Consult factory for price and availability of fittings for L4 installation. Threaded Branch Connection, bushings, and flanges are available in a variety of sizes and materials.

**Application Drawings For Flotec® Level Switches**

- Model L4: Brass body, side wall mounting
- Model L4SS: 316SS® body, side wall mounting

*316SS body and float with 430SS magnet keeper (wetted part).