The Series L4 Flotect® Float Switch is a rugged and reliable float switch which operates automatically to indicate tank level.

**FEATURES/BENEFITS**
- Unique magnetically actuated switching design gives superior performance
- No bellows, springs, or seals to fail
- 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 hang up
- No bellows, springs, or seals to fail
- Unique magnetically actuated switching design gives superior performance

**APPLICATIONS**
- Direct pump control for maintaining level
- Automatic tank dump operations
- Level control
- Valve control
- Level alarm in sumps, scrubber systems, hydro-pneumatic tanks, boilers, and water/wastewater treatment processes

**SPECIFICATIONS**
- **Service:** Liquids compatible with wetted materials.
- **Wetted Materials:** Brass and 316 SS standard; Magnet Keeper: 430 SS standard, 316 SS or nickel optional.
- **Temperature Limits:** 4 to 275°F (-20 to 135°C) standard. MT high temperature option: -4°F to 275°F (-20 to 135°C).
- **Pressure Limit:** Brass body: 1000 psig (69 bar), 316 SS body 2000 psig (138 bar). 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.
- **Electrical Connections:** UL and CSA models: 16 AWG, 6˝ (152 mm) long. ATEX and IECEx unit: terminal block. UL and CSA models: 16 AWG, 6˝ (152 mm) long. ATEX and IECEx unit: terminal block.
- **Conduit Connection:** 3/4˝ (19.05 mm) female NPT standard or M25 with -BSPT option.
- **Process Connection:** 1-1/2˝ (38.10 mm) male NPT standard, 2-1/2˝ (63.50 mm) male NPT standard or 2-1/2˝ (63.50 mm) male NPT standard optional floats.
- **Mounting Orientation:** Horizontal installation standard, optional vertical top mount.
- **Dead Band:** 3/4˝ (19 mm) for standard float.
- **Specific Gravity:** 0.7 minimum with standard float. For other floats see model chart.

**OPTIONS**
- **To order add suffix:**
  - **D** for DPDT contacts
  - **-NH** for no housing
  - **-MV** for Gold plated contacts for dry circuits (see electrical rating in specifications, no listings or approvals)
  - **-MT** for high temperature rated 400°F (204°C) (see electrical rating in specifications, no listings or approvals)
  - **-TRI** for time delay relay with 2 SPDT contacts, adjustable from 0-1 to 0-31 minutes (increasing flow)
  - **-TRD** for time delay relay with 2 SPDT contacts, adjustable from 0-1 to 0-31 minutes (decreasing flow) (no listings or approvals)
  - **-316** for "316 SS magnet keeper option to replace standard 430 SS body" with option: 1-1/2˝ (38.10 mm) male NPT standard (38.10 mm) male NPT standard, 2-1/2˝ (63.50 mm) male NPT standard or 2-1/2˝ (63.50 mm) male NPT standard optional floats.
  - **-AT** for ATEX compliant construction
  - **-IEC** for IECEx certified construction
  - **-TOP** for top mounted for vertical flange installation (distance from flange face to centerline of float to be specified, 20˝ (508 mm) max)
  - **-50** for optional float (2-1/2˝ spherical) 304 SS rated 50 psig (3.5 bar) and 0.5 in. (12.7 mm) s.g.
  - **-150** for optional float (2-1/2˝ spherical) 316 SS rated 150 psig (10.3 bar) and 0.7 min. (17.8 mm) s.g.
  - **-300** for optional float (2-1/2˝ spherical) 304 SS rated 300 psig (20.7 bar) and 0.7 in. (17.8 mm) s.g.
  - **-BSPT** for 1-1/2˝ female BSPT process connection

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

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.

**MODEL CHART**

USA: California Proposition 65

\[WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov\]