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 (IP56)
- Explosion-proof (listings included in specifications)
- Installs directly and easily into tank with a thredolet or flange (see application drawings)
- 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
- Process Connection: 1-1/2˝ male NPT standard, 2-1/2˝ male NPT standard
- Temperature Limits: from 4 to 275°F (-20 to 135°C) standard, MT high temperature option 400°F (204°C) [MT option not UL, CSA, ATEX or IECEx]. ATEX and IECEx options: Ambient temperature -4 to 163°F (-20 to 73°C). Process temperature -4 to 163°F (-20 to 73°C).
- Pressure Limit: Brass body 1000 psig (69 bar), 316 SS body 2000 psig (138 bar).
- Floating Level Switches

SPECIFICATIONS
- Service: Liquids compatible with wetted materials.
- Wetted Materials: Float and Rod: 316 SS; Body: Brass or 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 400°F (204°C) [MT option not UL, CSA, ATEX or IECEx]. ATEX and IECEx options: Ambient temperature -4 to 163°F (-20 to 73°C). Process temperature -4 to 163°F (-20 to 73°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 model chart.
- 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.
- Explosion-proof: IECEx DEK 11.0071.
- Temperature Limits: -20°C ≤ Tamb ≤ 73°C.
- Electrical Connections: UL and CSA models: 16 AWG, 6˝ (152 mm) long. ATEX and IECEx unit: terminal block.
- Process Connection: 1-1/2˝ male NPT standard, 2-1/2˝ male NPT standard
- Mounting Orientation: Horizontal installation standard, optional vertical top mount.
- Weight: 4 lb 9 oz (2.07 kg).
- Dead Band: 3/4˝ (19 mm) for standard float.
- Specific Gravity: 0.7 minimum with standard float. For other floats see model chart.

Model | Description                          | Price
---|--------------------------------------|---
L4  | Brass body, side wall mounting       | $322.00
L4SS| 316SS body, sidewall mounting        | $449.00

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

OPTIONS FOR L4 SWITCHES ABOVE — Add suffix 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 -TRI (increasing flow) or -TRD (decreasing flow) (no listings or approvals) .......................... add 417.00
316SS Magnet Keeper option to replace standard 430 SS, add suffix -316 .......................... add 44.50
ATEX compliant construction, add suffix -AT .......................... add 67.00
IECEx certified construction, add suffix -IEC .......................... add 67.00
Top Mounted option for vertical flange installation (distance from flange face to centerline of float to be specified, 20˝ (508 mm) max), add suffix -TOP .......................... add 6.60
Optional Floats add 316 SS: 90°F (32°C) option 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
316 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.