The Series L6 Flotect® Level switch is designed and built for easy in-wall or external installation, up to 2000 psig (138 bar). It is simple and dependable with no mechanical linkage as the level switch is magnetically actuated. The float lever pivoted within the body moves when the process liquid displaces the float. A magnet on the opposite end of the float lever controls a second magnet on the switch. A magnet on the opposite end of the float lever controls a second magnet on the switch.

**FEATURES**
- Leak proof lower body machined from bar stock
- Choice of models for direct side wall mounting or mounted in a tee to act as an external float chamber
- Weatherproof
- 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
- Sensitive to level changes of less than 1/2˝ (12 mm)

**SPECIFICATIONS**
- **Service**: Liquids compatible with wetted materials.
- **Wetted Materials**:
  - **Float**: Solid polypropylene or 304 SS.
  - **Lower Body**: Brass or 303 SS.
- **Magnet**: Ceramic.
- **External Float Chamber (Tee)**: Matches lower body choice of brass or 303 SS.
- **Other**: Lever Arm, Spring, Pin, etc.: 301 SS.
- **Temperature Limit**: -4 to 220°F (-20 to 105°C) Standard, MT high temperature option 400°F (205°C) MT not UL, CSA, ATEX, IECEx and KC. ATEX compliant AT, IECEx IEC and KC option ambient temperature -4 to 167°F (-20 to 75°C) process temperature: -4 to 220°F (-20 to 105°C).
- **Pressure Limits**: See instruction manual.
- **Enclosure Rating**: Weatherproof and Explosion-proof. Listed with UL and CSA for Class I, Groups A, B, C and D; Class II, Groups E, F, and G; (Group A on stainless steel body models only). ATEX IEC and KC option ambient temperature -4 to 167°F (-20 to 75°C) process temperature: -4 to 220°F (-20 to 105°C).
- **Electrical Rating**: UL models: 5A @ 125/250 VAC (V~), CSA, ATEX and IECEx models: 5A @ 125 VAC (V~); 5A, 3A. @ 30 VDC (Vsa). MV option: 1A @ 125 VAC (V~). MT option: 5A @ 125 VAC (V~). Micro switch: 5A @ 125/250 VAC (V~).
- **Electrical Connections**: UL models: 18 AWG; 18” (460 mm) long. ATEX/CSA/IECEx models: terminal block.
- **Upper Body**: Brass or 303 SS.
- **Conduit Connection**: 3/4” male NPT standard, 3/4” female NPT on junction box models.
- **Process Connection**: 1” male NPT on models with external float chamber, 1” female NPT on models with external float chamber.
- **Mounting Orientation**: Horizontal with index arrow pointing down.
- **Weight**: Approximately 1 lb (.5 kg) without external float chamber, 1.75 lb (8 kg) with external float chamber.
- **Specific Gravity**: See chart below.

**OPTIONS**
- **Gold Plated Contacts** option for dry circuits, add suffix -MV (see electrical rating in specifications).
- **High Temperature** option rated 400°F (204°C), add suffix -MT (see electrical rating in specifications, no listings or approvals, only available on models with stainless steel floats).
- **CSA and UL approved construction**, includes weatherproof and explosion-proof junction box, add suffix -CSA.
- **ATEX compliant construction includes**, weatherproof and explosion-proof, add suffix -AT.
- **IECEx certified construction**, add suffix -IEC.
- **DPDT contacts**, change seventh character in model number to “D”. Example: L6EPB-B-D-3-O.
- **Options Not Shown**: 1-1/2” and 2” male NPT process connection, 2” female NPT connection tee, and top mount.

**Model | Body | Installation | Float Material | Max. Pressure (psig bar) | Min. Sp. Gr. | Price**
--- | --- | --- | --- | --- | --- | ---
L6EPB-B-3-O | Brass | Side Wall Mounting | Polypropylene Spherical | 0.9 (63) | 0.9 | $148.00
L6EPB-B-3-A | Brass | Side Wall Mounting | 304 SS Cylindrical | 200 (13.8) | 0.5 | 171.00
L6EPB-B-3-C | Brass | Side Wall Mounting | 303 SS Cylindrical | 200 (13.8) | 0.5 | 171.00
L6EPB-B-3-B | Brass | Brass External Float Chamber (Tee) | Polypropylene Spherical | 200 (13.8) | 0.5 | 171.00
L6EPB-B-3-H | Brass | Brass External Float Chamber (Tee) | 304 SS Spherical | 200 (13.8) | 0.5 | 171.00
L6EPS-S-3-O | 304 SS | Side Wall Mounting | Polypropylene Spherical | 200 (13.8) | 0.5 | 171.00
L6EPS-S-3-A | 304 SS | Side Wall Mounting | 304 SS Cylindrical | 200 (13.8) | 0.5 | 171.00
L6EPS-S-3-C | 304 SS | Side Wall Mounting | 303 SS Cylindrical | 200 (13.8) | 0.5 | 171.00
L6EPS-S-3-B | 304 SS | 304 SS External Float Chamber (Tee) | Polypropylene Spherical | 200 (13.8) | 0.5 | 171.00
L6EPS-S-3-H | 304 SS | 304 SS External Float Chamber (Tee) | 304 SS Spherical | 200 (13.8) | 0.5 | 171.00

**Surprisingly compact**, the Series L6 Flotect® Level switch is designed and built for years of trouble-free service in a wide variety of process liquid level applications. Operation is simple and dependable with no mechanical linkage as the level switch is magnetically actuated. The float lever pivoted within the body moves when the process liquid displaces the float. A magnet on the opposite end of the float lever controls a second magnet on the switch actuating lever located in the switch housing.

**LEVEL**

**OPTIONS**
- **Gold Plated Contacts** option for dry circuits, add suffix -MV (see electrical rating in specifications). add $10.50
- **High Temperature** option rated 400°F (204°C), add suffix -MT (see electrical rating in specifications, no listings or approvals, only available on models with stainless steel floats). add $31.50
- **CSA and UL approved construction**, includes weatherproof and explosion-proof junction box, add suffix -CSA. add $50.50
- **ATEX compliant construction includes**, weatherproof and explosion-proof, add suffix -AT. add $81.50
- **IECEx certified construction**, add suffix -IEC. add $81.50
- **DPDT contacts**, change seventh character in model number to “D”. Example: L6EPB-B-D-3-O. add $31.25
- **Options Not Shown**: 1-1/2” and 2” male NPT process connection, 2” female NPT connection tee, and top mount.

**LEVEL**