LEVEL FLOTECT® LIQUID LEVEL SWITCHES
Easy In-wall or External Installation, Up to 2000 psig (138 bar), Compact Size

The Series L6 Flotect® Liquid Level Switches are rugged and reliable float switches which operates automatically to indicate tank level. It is offered with a 303 SS or brass body with spherical or cylindrical float options.

FEATURES/BENEFITS
- Compact design is built for years of trouble-free service
- Simple and dependable operation with no mechanical linkage
- Float lever pivoted within the body moves when the process liquid displaces the float and magnet on the opposite end of the float lever controls a second magnet on the switch actuating lever located in the switch housing
- Leak proof lower body machined from bar stock
- Side wall or direct tee mounting options available to act as an external float chamber
- Weatherproof and explosion-proof body for demanding outdoor applications
- 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)

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

OPTIONS
- To order add suffix: Description
  - MV: Gold plated contacts for dry circuits (see electrical rating in specifications)
  - MT: High temperature rated 400°F (204°C) (see electrical rating in specifications, no listings or approvals, only available on models with stainless steel floats)
  - CSA: CSA and UL approved construction, includes weatherproof and explosion-proof junction box
  - AT: ATEX compliant construction includes, weatherproof and explosion-proof, junction box
  - IEC: IECex certified construction

Note: M25 is not available with the CSA housing.

DPDT Contacts
Note: To order, change seventh character in model number to “D”. Example: L6EPB-B-D-3-O

Options Not Shown: 1-1/2" and 2" (38.10 and 50.80 mm) male NPT or 1-1/2" and 2" (38.10 and 50.80 mm) male BSPT process connection, 2" female NPT or 2" female BSPT.

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 (204°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 model chart.

Switch Type: SPDT snap switch standard, DPDT snap switch optional.

Electrical Rating: UL models: 5 A @125/250 VAC (V~), 5 A res., 3 A ind. @ 30 VDC (VDC), MV option: 1 A @ 125 VAC (V~), MT option: 5 A @125/250 VAC (V~). MT option not UL, CSA, ATEX or IECEx.

Electrical Connections: UL models: 18 AWG, 18” (457.20 mm) long, ATEX/CSA/IECEx models: terminal block.

Upper Body: Brass or 303 SS.

Conduit Connection: 3/4" (19.05 mm) male NPT standard, 3/4" (19.05) female NPT or M25 with BSPT option on junction box models.

Process Connection: 1/2" (25.40 mm) male NPT or 1/2" (25.40 mm) female BSPT on models without external float chamber, 1/2" (25.40 mm) female NPT or 1" (25.40 mm) female BSPT on models with external float chamber.

Mounting Orientation: Horizontal with index arrow pointing down.

Specific Gravity: See chart.

Weight: Approximately 1 lb (.5 kg) without external float chamber, 1.75 lb (.8 kg) with external float chamber.

Agency Approvals: ATEX, CE, CSA, IECEx, KTL, UL.

USA: California Proposition 65

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

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Body</th>
<th>Installation</th>
<th>Float Material</th>
<th>Process Connection</th>
<th>Max. Pressure psig (bar)</th>
<th>Min. S.G.</th>
</tr>
</thead>
<tbody>
<tr>
<td>L6EPB-B-S-3-O</td>
<td>Brass</td>
<td>Side wall mounting</td>
<td>Polypropylene spherical</td>
<td>NPT</td>
<td>1000 (69)</td>
<td>0.9</td>
</tr>
<tr>
<td>L6EPB-B-S-3-A</td>
<td>Brass</td>
<td>Side wall mounting</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>200 (13.8)</td>
<td>0.5</td>
</tr>
<tr>
<td>L6EPB-B-S-3-C</td>
<td>Brass</td>
<td>Side wall mounting</td>
<td>Polypropylene spherical</td>
<td>NPT</td>
<td>350 (24.1)</td>
<td>0.7</td>
</tr>
<tr>
<td>L6EPB-B-S-3-B</td>
<td>Brass</td>
<td>Brass external float chamber (tee)</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>250 (17.2)</td>
<td>0.9</td>
</tr>
<tr>
<td>L6EPB-B-S-3-H</td>
<td>Brass</td>
<td>Brass external float chamber (tee)</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>250 (17.2)</td>
<td>0.7</td>
</tr>
<tr>
<td>L6EPS-B-S-3-O</td>
<td>303 SS</td>
<td>Side wall mounting</td>
<td>304 SS cylindrical</td>
<td>NPT</td>
<td>200 (13.8)</td>
<td>0.9</td>
</tr>
<tr>
<td>L6EPS-B-S-3-A</td>
<td>303 SS</td>
<td>Side wall mounting</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>350 (24.1)</td>
<td>0.7</td>
</tr>
<tr>
<td>L6EPS-B-S-3-C</td>
<td>303 SS</td>
<td>Side wall mounting</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>350 (24.1)</td>
<td>0.7</td>
</tr>
<tr>
<td>L6EPS-B-S-3-SS</td>
<td>303 SS</td>
<td>304 SS external float chamber (tee)</td>
<td>Polypropylene spherical</td>
<td>NPT</td>
<td>350 (24.1)</td>
<td>0.7</td>
</tr>
<tr>
<td>L6EPS-B-S-3-L</td>
<td>303 SS</td>
<td>304 SS external float chamber (tee)</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>350 (24.1)</td>
<td>0.7</td>
</tr>
</tbody>
</table>

BSPT process connection and M25 conduit connection. Note: To order, change eighth character in model to “4”. Example: L6EPB-B-S-4-A

L6EPB-B-S-4-O | Brass | Side wall mounting | Polypropylene spherical | NPT | 1000 (69) | 0.9 |
L6EPB-B-S-4-A | Brass | Side wall mounting | 304 SS spherical | NPT | 200 (13.8) | 0.5 |
L6EPB-B-S-4-C | Brass | Side wall mounting | Polypropylene spherical | NPT | 350 (24.1) | 0.7 |
L6EPS-B-S-4-O | 303 SS | Side wall mounting | 304 SS cylindrical | NPT | 200 (13.8) | 0.9 |
L6EPS-B-S-4-A | 303 SS | Side wall mounting | 304 SS spherical | NPT | 350 (24.1) | 0.7 |
L6EPS-B-S-4-C | 303 SS | Side wall mounting | 304 SS spherical | NPT | 350 (24.1) | 0.7 |
L6EPS-B-S-4-SS | 303 SS | 304 SS external float chamber (tee) | Polypropylene spherical | NPT | 350 (24.1) | 0.7 |
L6EPS-B-S-4-L | 303 SS | 304 SS external float chamber (tee) | 304 SS spherical | NPT | 350 (24.1) | 0.7 |