**FLOTECT® LIQUID LEVEL SWITCHES**

Easy In-wall or External Installation, Up to 2000 psig (138 bar), Compact Size

The Series L6 Flotec® 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

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

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, 1" 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.: 303 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 model chart.
- **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).
- **Pressure Switch**: SPDT snap switch standard, DPDT snap switch optional.
- **Electrical Rating**: UL models: 5 A @ 125/250 VAC (V~). CSA, ATEX and IECEx models: 5 A @ 125/250 VAC (V~); 5 A res., 3 A ind. @ 30 VDC (V~). MV option: 1 A @ 125 VAC (V~), MT option: 5 A @ 125/250 VAC (V~). (MT not UL, CSA, ATEX or IECEx).
- **Upper Body**: Brass or 303 SS.
- **Conduit Connection**: 3/4" (19.05 mm) male NPT or 3/4" (19.05 mm) female BSPT process connection, 1" (25.40 mm) male NPT or 3/4" (19.05 mm) female BSPT process connection.
- **Process Connection**: 1" (25.40 mm) male NPT or 1" (25.40 mm) male BSPT on models without external float chamber, 1" (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.

### 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-B</td>
<td>Brass</td>
<td>Brass external float chamber (tee)</td>
<td>Polypropylene spherical</td>
<td>NPT</td>
<td>350 (24.1)</td>
<td>0.7</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>0.9</td>
</tr>
<tr>
<td>L6EPS-S-3-3-C</td>
<td>303 SS</td>
<td>Side wall mounting</td>
<td>304 SS spherical</td>
<td>NPT</td>
<td>250 (17.2)</td>
<td>0.7</td>
</tr>
<tr>
<td>L6EPS-S-3-3-C</td>
<td>303 SS</td>
<td>Side wall mounting</td>
<td>Polypropylene spherical</td>
<td>NPT</td>
<td>200 (13.8)</td>
<td>0.5</td>
</tr>
<tr>
<td>L6EPS-S-3-C</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-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.

USA: California Proposition 65

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