**FLUSH TIP SUBMERSIBLE LEVEL TRANSMITTERS**

**THE SERIES FBLT FLUSH TIP SUBMERSIBLE LEVEL TRANSMITTERS** measure the height of liquid above the position in the tank referenced to atmospheric pressure. The transmitter consists of a piezoresistive sensing element, encased in a narrow 316 SS housing with PTFE coated flush diaphragm tip.

**FEATURES/BENEFITS**
- flush diaphragm tip will not clog in harsh applications
- Maintenance free filter eliminates particulate or water droplets from entering the transducer
- Comes with a choice of polyether polyurethane or ETFE cable materials for excellent chemical compatibility
- Incorporates lightning and surge protection, eliminating both power supply surges and lightning ground strike transients (surge protection is not guaranteed and is not covered by warranty)
- Narrow body design allows the FBLT to fit into stilling wells and narrow installations
- Robust FKM fluoroelastomer diaphragm that is PTFE coated for a stick resistant surface holds up in aggressive fluids
- Diaphragm cavity is filled with a gel that will not leak out versus oil or grease
- Optional NPT connection allows the unit to be rigidly installed in a pipe/conduit, or the addition of the A-625 hanging loop for attaching a chain for pulling out of the installation

**APPLICATIONS**
- Sewage lift stations
- Industrial slurries
- Industrial sumps
- Landfill leachate
- Reservoirs
- Sludge pits
- Oil tanks

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**SPECIFICATIONS**

- **Service**: Compatible liquids. Wetted Materials: Body: 316 SS; Cable: Polyether polyurethane or ETFE; Diaphragm: PTFE coated FKM fluoroelastomer; Label: Polyethylene polyamide.
- **Accuracy**: ±0.25% FS (10’ w.c. range is ±0.30% FS).
- **Temperature Limits**: -4 to 176°F (-20 to 80°C).
- **Compensated Temperature Limits**: 32 to 140°F (0 to 60°C).
- **Thermal Effect**: ±0.0075%/°F (±0.0135%/°C).
- **Pressure Limit**: 2x range.
- **Power Requirements**: 10 to 33 VDC.
- **Output Signal**: 4 to 20 mA DC 2-wire.
- **Response Time**: < 50 ms.
- **Max Loop Resistance**: 1000 Ω @ 30 VDC.
- **Electrical Connections**: Wire pigtail.
- **Mounting Connection**: Suspended below point being monitored.
- **Electrical Protection**: Surge/lightning protected per EN61000-4-5, Class 5.
- **Weight**: Body: 0.3 lb (0.136 kg); Cable: 0.037 lb (0.017 kg) per foot.
- **Agency Approvals**: CE.

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**OPTIONS**

To order add suffix: Description  Price
- **NPT**  $27.00
- **FC**  $30.00

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-297</td>
<td>Desiccant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation</td>
<td>$20.00</td>
</tr>
<tr>
<td>A-625</td>
<td>316 SS cable hanger use with NPT option for attaching chain for easy pulling out of application</td>
<td>$26.00</td>
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</tbody>
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**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi</th>
<th>Cable Length</th>
<th>Cable Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBLT-2SC-VPF-10-20*</td>
<td>4.33 (10) [3.05]</td>
<td>20’ Polyurethane</td>
<td>$569.00</td>
<td></td>
</tr>
<tr>
<td>FBLT-2SC-VPF-10-30*</td>
<td>4.33 (10) [3.05]</td>
<td>30’ Polyurethane</td>
<td>$586.00</td>
<td></td>
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<tr>
<td>FBLT-2SC-VPF-5-40</td>
<td>5 (11.54) [5.22]</td>
<td>40’ Polyurethane</td>
<td>$603.00</td>
<td></td>
</tr>
<tr>
<td>FBLT-2SC-VPF-10-40*</td>
<td>4.33 (10) [3.05]</td>
<td>40’ Polyurethane</td>
<td>$603.00</td>
<td></td>
</tr>
<tr>
<td>FBLT-2SC-VPF-15-40</td>
<td>6.50 (15.24) [4.57]</td>
<td>40’ Polyurethane</td>
<td>$603.00</td>
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</tr>
<tr>
<td>FBLT-2SC-VPF-20-40</td>
<td>8.66 (21.51) [8.10]</td>
<td>40’ Polyurethane</td>
<td>$603.00</td>
<td></td>
</tr>
<tr>
<td>FBLT-2SC-VPF-30-50</td>
<td>12.99 (33.0) [9.14]</td>
<td>50’ ETFE</td>
<td>$620.00</td>
<td></td>
</tr>
<tr>
<td>FBLT-2SC-VPF-30-50</td>
<td>12.99 (33.0) [9.14]</td>
<td>50’ ETFE</td>
<td>$620.00</td>
<td></td>
</tr>
<tr>
<td>FBLT-2SC-VPF-30-60</td>
<td>15.16 (38.46) [10.67]</td>
<td>60’ Polyurethane</td>
<td>$637.00</td>
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<tr>
<td>FBLT-2SC-VPF-35-60</td>
<td>19.68 (50.0) [15.16]</td>
<td>60’ Polyurethane</td>
<td>$637.00</td>
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<tr>
<td>FBLT-2SC-VPF-40-60</td>
<td>24.0 (61.0) [15.16]</td>
<td>60’ Polyurethane</td>
<td>$637.00</td>
<td></td>
</tr>
</tbody>
</table>

*4.3 to 4.9 psi (10 to 11.54 in w.c.) configured ranges ±30% FS accuracy
Note: Cables can be ordered shorter or longer in polyurethane or ETFE. Other ranges are available and can be ordered in psi, ft w.c., or m w.c.
Please see website for pricing.