The SERIES FBLT Flush 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
- Optional NPT connection allows the unit to be rigidly installed in a pipe/conduit
- Diaphragm cavity is filled with a gel that will not leak out versus oil or grease
- 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

**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: ±0.0075%/°F (±0.0135%/°C).
- Response Time: < 50 ms.
- Max Loop Resistance: 1000 Ω @ 30 VDC.
- Electrical Protection: 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.

**OPTIONS**
- To order add suffix:
  - NPT 1/2˝ NPT connection to connect conduit, piping, or cable hanger. All 316 SS
  - FC Factory calibration certificate

**ACCESSORIES**
- Model Description
  - A-297 Desiccant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation
  - A-625 316 SS cable hanger use with NPT option for attaching chain for easy pulling out of application

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi (w.c.) [m.w.c.]</th>
<th>Cable Length</th>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBLT-2SC-IVPF-10-20*</td>
<td>4.33 (10) [3.05]</td>
<td>20˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-10-30*</td>
<td>4.33 (10) [3.05]</td>
<td>30˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-5-40</td>
<td>5 (11.54) [3.52]</td>
<td>40˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-10-40*</td>
<td>5 (11.54) [3.52]</td>
<td>40˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-15-40</td>
<td>6.50 (15) [4.57]</td>
<td>40˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-20-40</td>
<td>8.66 (20) [6.10]</td>
<td>40˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-5-40</td>
<td>5 (11.54) [3.52]</td>
<td>40˝</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-15-40</td>
<td>2.82 (15) [4.57]</td>
<td>40˝</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-20-40</td>
<td>6.66 (20) [6.10]</td>
<td>40˝</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-10-10</td>
<td>10 (32.09) [7.04]</td>
<td>40˝</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-15-50</td>
<td>15 (34.63) [10.56]</td>
<td>60˝</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-10-60</td>
<td>10 (32.09) [7.04]</td>
<td>60˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-15-60</td>
<td>15 (34.63) [10.56]</td>
<td>60˝</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPP-30-60</td>
<td>15.16 (35) [10.67]</td>
<td>60˝</td>
<td>Polyurethane</td>
</tr>
</tbody>
</table>

*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.