

# FloTech Overfill Detection System

Overfill  
Products




Product instruction sheets and technical data can be viewed on our website at [dixonbayco.com](http://dixonbayco.com) by selecting the "Resources" menu



# Fuel Tanker Overfill Detection

## FloTech Overfill Detection Products

<b>Application:</b>	<p>The overfill detection system used on petroleum cargo tanks typically consists of a sensor mounted in each tank compartment, an onboard monitor located near the bottom loading valves and an API compatible socket. The overfill system is intended to detect a pending overfill condition inside the cargo tank compartment and signal the loading rack to close the fuel supply control valve, to prevent a spill of product. These systems are required by law as part of the bottom loading system and considered a secondary emergency shut off device. The overfill system is typically triggered when the primary metering system fails to load the cargo tank compartment with the correct volume of product.</p>
<b>Standards:</b>	<p>Manufactured to American Petroleum Institute standard API RP-1004, which allows for drop in interchange ability with other brands.</p>
<b>Materials:</b>	<p>Dependent upon the component, see each product section for materials.</p>
<b>Features &amp; Benefits:</b>	<ul style="list-style-type: none"> <li>• Knowledge and experienced design: Dixon electronic staff are seasoned veterans when it comes to overfill systems. Our employees have years of experience in electronics, manufacturing and most important, with in-the-field trouble shooting of overfill terminal and tanker installations. That is why we have focused on easy, drop-in replacement features with improved probe life, and why we have included heavy duty hardware made from premium, corrosion resistant materials.</li> <li>• Trouble free probes and sensors: FloTech brand probes/sensors do not use epoxy bonded prisms as a means to seal the prism. Therefore, they are not subject to malfunction due to epoxy/prism interface separation. FloTech brand probes/sensors incorporate a double elastomer design which seals and secures the sensitive optic prism tip. The elastomer seals are flexible allowing thermal expansion and resistance to steam cleaning and petroleum chemical attack.</li> </ul> <div data-bbox="582 825 1070 1063" data-label="Image"> </div> <ul style="list-style-type: none"> <li>• "Best in Class" technical support: Our goal is to provide the most reliable overfill components and system available on the market today. Over the years the FloTech brand has earned a reputation for reliable overfill components compatible with other common systems. Don't take our word on this; ask one of our many customers!</li> <li>• Easy Installation: FloTech brand items are shipped with easy to follow installation instructions and manuals (also available online at <a href="http://dixonbayco.com">dixonbayco.com</a> under the Resources menu, select Petroleum and Dry bulk products). If you need a little extra help call our North American toll free technical service hot line at 877.582.3569 (or from other parts of the world, dial 001-513-874-8499). In fact, call us with any overfill system questions (regardless of the brand) and we will work with you to help solve the problem. FloTech brand components are manufactured to be installed easily, even on other systems. We designed them to be drop-in compatible with API systems being used around the world.</li> <li>• Products in stock, delivered on time: FloTech brand products are stocked at Dixon locations throughout the world. Most orders can be processed and delivered within 24 hours. We know that downtime costs you money so we do everything we can to ensure you receive your parts when you need them.</li> <li>• A great product with an unparalleled warranty: FloTech brand products are covered by a three year limited warranty. The warranty is part of the total system that makes FloTech overfill detection the best choice for you operation. See limited warranty on page 169 for details.</li> <li>• Biofuel compatible: up to E100 (100% Ethanol) and B100 (100% Bio Diesel). For detailed fuel compatibility, please refer to the chart shown on page 4. </li> </ul>

**Customer Support**  
877.582.3569

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Biofuel Compatible, see fuel compatibility chart on page 4 for more information.