

Fuel Tanker Overfill Detection

FloTech™ Checkmate Overfill/Retain Plug-n-Play System Overfill Sensors

Overfill Products



Features & Benefits:

- Overfill detection sensors are intended to detect a pending overfill condition inside the fuel tank compartment. When they are wetted (come in contact with the fuel) they signal the fuel loading rack to close the fuel supply control valve, to prevent a spill of product.
- Prewired and factory tested with Plug-n-Play cabling and plugs, eliminates hours of manual crimped wire connections, and removes the problems and worries associated with connection problems. Easy to install, just mount the housing into the tank and plug the cables together.
- Trouble free probes: FloTech™ brand probes incorporate a double elastomer design which seals and secures the sensitive glass optic prism tip. The elastomer seals are flexible allowing thermal expansion and resistance to steam cleaning and petroleum chemical attack.
- Custom lengths available upon request
- The FT151P series sensor housing contains a Plug-n-Play probe in a cast aluminum housing. The sensor housing has a 2" NPT mounting thread, heavy duty stainless steel hardware, and FKM probe seal. Install into either a 2" NPT threaded port or a 2 3/8" diameter tank opening using the gasket and locking nut provided. All screws and rings are heavy duty stainless steel for easy assembly and long life.

Part #	Description	Replacement Probes
FT151P	housing with 7" Plug-n-Play overfill detection probe, with Plug-n-Play harness connector	FT150P
FT151P-12	housing with 12" Plug-n-Play overfill detection probe, with Plug-n-Play harness connector	FT150P-12
FT151P-18	housing with 18" Plug-n-Play overfill detection probe, with Plug-n-Play harness connector	FT150P-18

See page 147 and 149 for repair kits and replacement parts.

Retain Sensors



Features & Benefits:

- Retain sensors inform the loading terminal if the tank compartments are empty, or if there is product left in the tank prior to re-loading the tank (product has been retained).
- Prewired and factory tested with Plug-n-Play cabling and plugs, eliminates hours of manual crimped wire connections, and removes the problems and worries associated with connection problems. Easy to install, just mount the housing into the tank and plug the cables together.
- Trouble Free Probes: 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.
- The FT152 sensor is a bottom retain detection sensor. Sensor is shipped with a 1/2" NPT weld-on aluminum half coupling for mounting. The main sensor portion is stainless steel to prevent galling in the tank. The wiring box is plastic to prevent corrosion.

Part #	Description
FT152P	housing with Plug-n-Play retain probe, with Plug-n-Play harness connector

See page 148 and 150 for repair kits and replacement parts.

Product instruction sheets and technical data can be viewed on our website at dixonvalve.com

