

Technical Service Notification Interstitial Sensor for Fiberglass Tanks



Notice: TSN 2016-2B

This Technical Service Notice announces the redesign of the **Interstitial Sensor for Fiberglass Tanks** for use with Veeder-Root automatic tank gauges.

Part Number: 794390-409

1.0 Product Description

The redesigned **Interstitial Sensor for Fiberglass Tanks** has several improvements versus the existing sensor.

- Elimination of the cable mesh significantly improves field installation since the mesh may snag the tank wall on installation and removal
- Compact design makes navigating the 90 degree bends in some tank ports much easier
- Easily identifiable “black top” and “white bottom” makes sensor orientation during installation much quicker versus the red dot used for this purpose on the old design
- A single part number reduces part inventory in-house and on service trucks

2.0 Applications

The non-discriminating **Interstitial Sensor for Fiberglass Tanks** detects leaks in the interstitial space of fiberglass tanks. A positive alarm indicates the presence of liquid.

3.0 Compatibility

The redesigned sensor does not require any software modification to the existing console, is a backwards compatible replacement to the existing sensor, and is approved for use with the following consoles.

- **TLS-450 Series Consoles** with required modules (Factory Installed: P/N 332812-001, Spare Part: P/N 330020-619)
- **TLS4 Series Consoles** (no additional modules required)
- **TLS-350 Series Consoles** with required modules (Factory Installed and Spare Part: P/N 329358-001)
- **TLS-300 Series Consoles** (no additional modules required)

4.0 Specifications

Temperature Rating:

- **Storage:** -40° C to + 75° C / -40° F to +167° F
- **Operating:** -20° C to +60° C / -4° F to +140° F

Compatible Fluids: Gasoline, Diesel; Kerosene; Jet fuel; Aviation Gas; Waste Oil; Motor Oil, Gasoline with up to 15% Ethanol, Diesel with up to 20% Bio-Diesel

Cable Length: 25 ft. Cable for up to 12 ft. tanks

Dimensions: See Sensor Application Guide # 577013-750

5.0 Approvals

Underwriters Labs (UL/cUL)

National Work Group on Leak Detection Evaluations (NWGLDE)

http://www.nwglde.org/evals/veeder_root_zi.html

6.0 Release Schedule

The redesigned **Interstitial Sensor for Fiberglass Tanks** will be a running change at the factory during the month of February as inventory is depleted of the current design. At that time, part numbers 794390-401 (tank diameter up to 5 feet), 794390-404 (tank diameter up to 7 feet), and 794390-407 (tank diameter up to 9 feet) will be discontinued since 794390-409 covers tank diameters up to 12 feet. Continue to order the sensor by contacting Customer Service at customerservice@veeder.com or (800) 873-3313.

7.0 Manuals

The following manuals related to the Interstitial Sensor for Fiberglass Tanks are available on GOLD.

577013-750 Rev R or later – Sensor Application Guide

576013-617 Rev H or later – Sensor Installation Manual