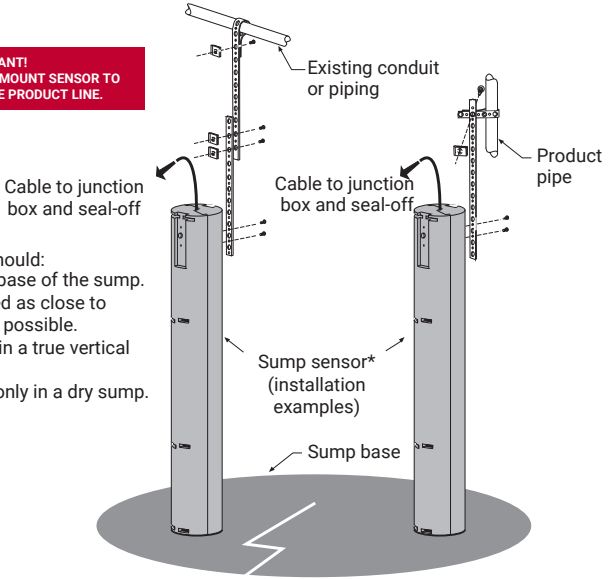| Sensor Description	**Piping Sump Sensor**	The Piping Sump Sensor is installed in a tank piping sump (STP Containment Sump) and will detect the presence of a liquid.
Part Number	**794380-208**	

Category	☐ Discriminating ☑ Non-Discriminating ☐ Position Sensitive	☐ Level Sensing ☐ Static Testing ☐ Hydrostatic

Fuel Compatibility	☑ Gas ☑ Diesel ☑ Kerosene ☑ Jet Fuel ☑ Aviation Gas	☑ E-15 ☐ E-85 ☐ E-100 ☑ Bio-Diesel 20 ☐ Bio-Diesel 100	☑ Green Diesel ☐ DEF ☑ Waste Oil ☑ Motor Oil

Console Compatibility (*International Only[1])	Recommended Min. Console Software	Sensor Interface Modules				
		Module Part #	**Module Description**	**# of Modules per Console**	**# of Sensor Inputs per Module**	**Availability**
TLS-450PLUS (8600 Series)	6A or Higher	332812-001	Universal Sensor Module (USM)	Up to 4 - TLS-4XX Up to 8 - TLS-4XX w/ opt. TLS-XB	16	Sold Separately
TLS-450	4A or Higher					
TLS4 (8601 Series)[1]	6A or Higher	330020-750	Universal Sensor Input Out-put Module (USIOM-AC)	1	12	Included
TLS4i (8601 Series)						
TLS4B (8601 Series)[1]		330020-751			6	
TLS4c (8601 Series)						
TLS-350/R/PLUS	124/324 or Higher	329358-001	Interstitial Sensor Interface Module	Up to 8	8	Sold Separately
TLS-350J		329356-003	4 Probe / 4 Sensor Interface Module	1	4	Sold Separately
TLS-300i		330230-001	4 Probe / 8 Sensor Interface Module		8	Included
TLS-300C		330513-001	2 Probe / 8 Sensor Options			

Alarm Notification	Normal	Sensor in Normal State - No liquid detected
	Fuel Alarm	Liquid detected at a minimum of 1.84" (4.67cm)
	Sensor Out	Sensor not communicating to ATG/Console

Installation Kit	330020-076	Piping Sump Sensor Mounting Kit is included (see example installation below).

Specifications		Example Installation
Operating Principle	Float/magnetic reed switch	
Product Activation Height	Liquid 1.84" (4.67cm)	
Operating Temp	+32 to +140°F (0 to +60°C)	
Dimensions	12" (30.5cm) high, 1.9" (4.8cm) dia.	
Miscellaneous/Notes	Standard Cable Length: 12ft (3.66m) Installation kit 330020-076 included (see example installation).	
Third Party Evaluation Links	*TLS-3XX/TLS-450 Series Consoles* *TLS4 (8601 Series) Consoles*	
Product Link	*Piping Sump Sensor*	
Warranty with System	1 Yr Parts & Labor	
Warranty (When purchased separately)	1 Yr Parts Only	

IMPORTANT! DO NOT MOUNT SENSOR TO FLEXIBLE PRODUCT LINE.

Existing conduit or piping

Product pipe

Cable to junction box and seal-off

Cable to junction box and seal-off

*Sump sensor should:
1. Rest on the base of the sump.
2. Be positioned as close to outer wall as possible.
3. Be mounted in a true vertical position.
4. Be installed only in a dry sump.

Sump sensor* (installation examples)

Sump base

Where Used (Typical)		
☑ Dispenser Pan ☑ Spill Containment ☑ STP Sump ☐ Convault Tank	☐ Annular Space ☐ Monitoring Well ☐ Oil/Water Separator Tank	

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Example Illustrations

Illustrations used in this guide for example sensor installations may contain components that are customer supplied and not included with the sensor. Please check with your Veeder-Root Distributor for recommended installation accessories.

Third Party Evaluations

Third party evaluations of the Veeder-Root sensors contained in this application guide can be found under the Veeder-Root vendor name on the National Work Group on Leak Detection Evaluations (NWGLDE) website:

http://www.nwglde.org