

FUEL MANAGEMENT SYSTEMS

PHASE SEPARATION DETECTION

Today, a large majority of all gasoline sold in the world is blended with Ethanol. The increased use of blended fuels also increases the potential for a costly condition known as phase separation.

What are you doing to protect your investment?



PHASE SEPARATION

The rising application of ethanol-blended fuels is beginning to display the dangers and the effects that may result if proper equipment is not used. With a simple float upgrade, detection of water and phase separation is highly improved, reducing risk for station owners, customers, and the environment.



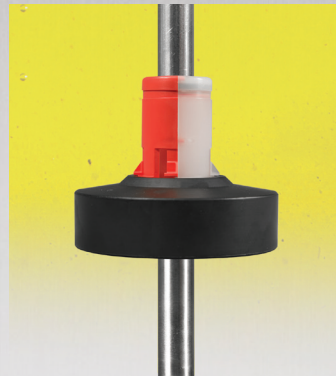
WHY DOES IT OCCUR?

Phase separation occurs when water enters a tank that contains an ethanol/gasoline blended fuel. Ethanol will absorb water. When gasoline becomes saturated, a layer of ethanol and water, known as phase separation, can form in the tank.



WHAT ARE THE DANGERS?

Phase separation that goes undetected can cause multiple problems for a station owner. Phase separated product, instead of fuel, may be pumped into a customer's vehicle. It can also affect the octane rating and cause damage to fuel system components.



WHAT CAN YOU DO ABOUT IT?

Factors like weather conditions, temperature, water, and ethanol content can all affect the speed of separation. It is hard to track these conditions, so having the right tools for early detection can help prevent the costly results of phase separation.



TIME TO MAKE THE UPGRADE

INCON™ brand 2" and 4" phase separation float kits detect both water and phase separation with a single float kit. You can manage product levels and be alerted of water or phase separation levels in your tanks.

DID YOU KNOW?

- Up to 100 percent of the ethanol can be pulled out of the gasoline and settle with the water at the bottom of the tank.
- Since the density of this layer is less than water, typical water floats may not detect its presence.

DID YOU KNOW?

- Phase separated product that is dispensed into a customer's vehicle can cause engine stalling and result in costly repairs.
- If the octane rating or other properties of blended fuel are affected, the station owner may need to dispose of the entire load at great expense.

DID YOU KNOW?

- Fitting probes with special phase separation float kits gives customers a proven and reliable way to accurately detect the presence of phase separation.
- Early detection is crucial, and allows the station owner to address the issue immediately, potentially saving thousands of dollars in repair and fuel replacement costs.

DID YOU KNOW?

- Phase separation float kits are easy to install onto probes in new or retrofit applications.
- They are compatible with TS-550/5000 TS-500/5000 evo fuel management systems as well as Colibri automatic tank gauges. Existing consoles can be updated with a simple software upgrade.



A Franklin Fueling Systems Brand

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PHASE SEPARATION FLOAT KITS

INCON™ brand 2" and 4" phase separation float kits detect both water and phase separation with a single float kit. The water and phase separation detection float kit allows you to effectively manage product levels as well as alert you of water or phase separation levels in your tanks. A single float is used to detect the presence of both water or phase separated fuel to ensure the prevention of either from reaching customer's vehicles.

Highlights

- Optional float kit for gasoline and Ethanol blend users.
- Product float determines fuel level.
- Water float will rise with the presence of water or phase separated fuel.
- Simple single-float solution for both water and phase separation.
- Free software upgrade available for T5 Series fuel management systems and Colibri automatic tank gauges.
- Accurate minimum water level detection capability.
- Allows you to easily shut down a submersible pump before water or phase separation reaches the customer's vehicle.

Ordering Information

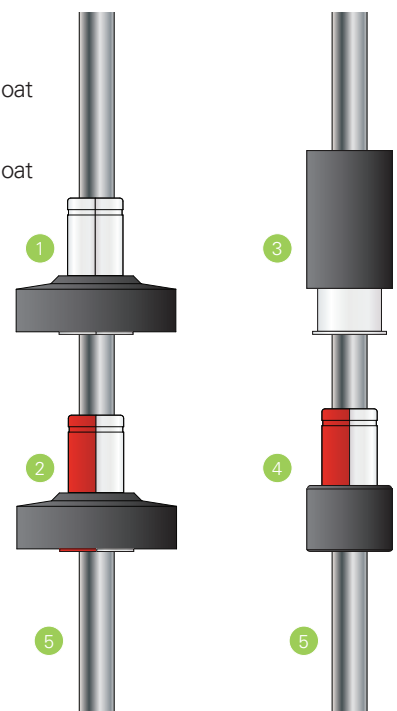
Model	Description
TSP-IGF2P	2" phase separation float kit for gasoline and up to E15
TSP-IGF4P	4" phase separation float kit for gasoline and up to E15

Specifications

- Designed for applications using 2" or 4" risers.
- Each float kit contains both product float and water and phase separation float.
- Appropriate for use with gasoline and Ethanol blends up to E15.
- Compatible with all TSP-LL2 and TSP-LL2-I probes.
- T5 Series and Colibri software version 1.8.0 required.

Installation

- 1 4" product float
- 2 4" water/phase separation float
- 3 2" product float
- 4 2" water/phase separation float
- 5 Probe shaft (sold separately)



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