



## Protect stored diesel from airborne contamination

Even with good fuel housekeeping procedures, water and particle contamination can get into storage tanks through the atmosphere. Night-to-day temperature changes cause tanks to slowly inhale and exhale. As biodiesel is hygroscopic it absorbs water from any new air that touches it. The inhale-exhale process also allows dust and other particles access to your fuel.

To help protect your diesel, we recommend installing an IPU Vent TRAP (Thermally Reactive Advanced Protection) filter which removes moisture from air during the inhale phase and purges it from the filter during the exhale.

This simple and inexpensive filter is the ideal support tool in the battle against fuel contamination. Clean, dry fuel gives you the confidence that your backup generators will work reliably if main power fails.

### Protection against water contamination

IPU's Vent TRAP includes a 3 micron air filter with a deliquescent breather that dries itself when air is expelled from the tank.

### Extensive range of applications

IPU's Vent TRAP is suitable for use with all diesel fuels and lubricants. It is suitable for tanks up to 40,000 litres. It can be fitted on both indoor and outdoor tanks, above or below ground.

### Low maintenance

IPU's Vent TRAPs are easy to service, only needing attention every 4 months.

## IPU VENT TRAP

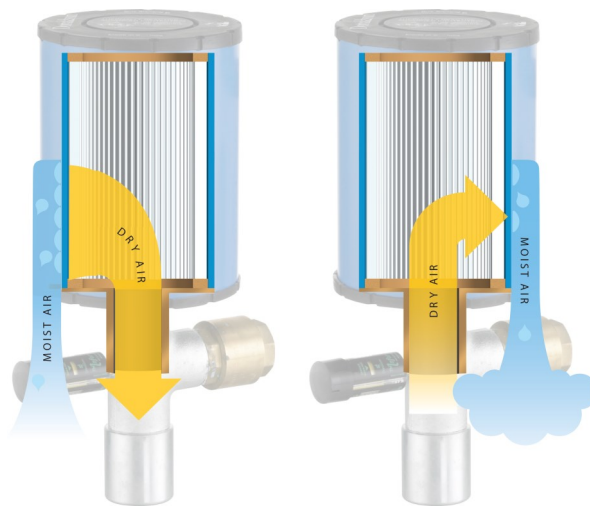
# The dangers of water contamination

- Water corrodes metal components leading to the formation of solid particulates
- Water contributes to the development of corrosive acids
- Water is one of the key ingredients in the formation of the diesel bug
- Water reduces fuel lubricity which could cause close tolerance engine assemblies to seize

By fitting a Vent TRAP you are reducing the risk of water entering your tank. The Vent TRAP will remove up to 97% of water from moist air as it enters the tank. The IPU Vent TRAP provides longer life, lower maintenance and superior moisture-blocking when compared with standard desiccant filters.

## How the Vent TRAP works

The Vent TRAP removes moisture from incoming air. During the exhale cycle it passes dry air through the vent trap, purging moisture from the filter.



## Technical Specifications

### Specifications

- 97% efficient at 3 microns
- Max. Combined Flow Rate 400gpm, 1500lpm
- Overflow Check Valve Opens at 10mbar, 4" H<sub>2</sub>O
- Operating Temp. -40 to 200 °F, -40 to 93 °C
- Safe for use with all diesel fuels and lubricants
- Dimensions (mm): 363 x 177 (height x diameter)
- Construction ABS housing, urethane end caps
- Connection 1½" NPT female
- Replacement Filter P923075 spin-on

### Applications

- For use with all diesel fuels and lubricants
- Above and below ground tanks
- Mobile service trucks
- Indoor or outdoor applications
- Most tanks up to 40,000 litres (large tanks may require multiple units)
- They should only be installed on tanks with emergency vents and should be sized so the clean pressure drop is less than half the tank's working pressure.