



Easy to install

Easy to maintain

Easy to upgrade with overfill sensor

Innovative design



# AirTop®

Field flexibility



"Air Top" brass tank head. 2" threaded mount for flange or sleeve.

Tools for mounting: 70mm open end spanner or socket wrench.



Bushings for cable glands with M16x1.5 threads. Prepared for overfill prevention sensor mounting.



Tubular guide mounted from bottom of tank head. Gives added support for sensor resting at tank bottom.

We make it even easier.

### Product ID:

**AirTop**

### Specifications in brief

Solid brass tank head with 2" mount for flange or sleeve.

"AIR Top" simplifies mounting of FuelBar® sensor.

No need for prefabrication of sensors.

Cable glands on top of tank head or side mounted.

Side mounted ambient pressure reference bushing.

Separate mount /bushing for 10mm stainless steel pipe with PTC element for overfill prevention. Mounting of the PTC can be done without interfering with the sensor.

PTC servicing without tank head removal.

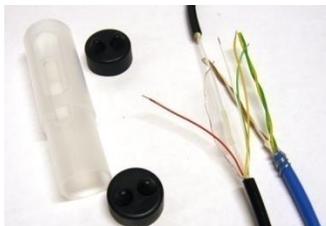
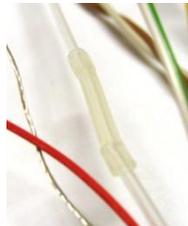
Sensor demounting and servicing using adjustable spanner or 70 mm socket spanner.

Fixed tubular guide supporting stainless steel sensor pipe. This construction increases stability and results in longer life time.

Sensor pipe in stainless steel field mounted from standard elements.

High quality materials only, acid proof steel or solid brass throughout the total assembly.





The AirTop represents innovative design and functionality, developed by 4tech AS. The design of the AirTop simplifies the mounting of the sensor by leaving out the need for prefabrication, as well as allowing for easy service and upgrades.

### Overfill sensor

A separate sensor for overfill prevention can easily be mounted through the tank head. Remove the blinding cable gland and insert the special cable gland delivered with the PTC sensor.

The PTC sensor consists of a PTC resistor mounted and sealed in a 10 mm acid proof steel tube. The tube fits accurately into the cable gland.

The length of the sensor must be adjusted to the correct height to sense the overfill situation, by removing the tube from the tank head and using a pipe cutter for adjusting the length. This operation must take place outside the Ex-Zone. Easy replacement of the PTC sensor by opening the cable gland and removing the PTC assembly.

### Mounting

The tubular guide is mounted at the bottom of the tank head. The sensor is mounted by assembling the stainless steel pipe sections, the total length being similar to the tank height. The top end of the last section ends up within the tubular guide. When correctly mounted, the sensor rests at the tank bottom after assembly.

Low profile mounting can be achieved by utilizing the side mounting option for the sensor cable. The overhead room can be as low as 30 mm, with the tank head building 25 mm atop the flange, the blinding cable gland and the gasket building an additional 5 mm. An additional 30 mm headroom will allow for the overfill sensor mount as well.

The sensor cable exits through the top- or side- mounted cable gland, and then connects to the blue installation cable by using an epoxy encapsulation or a vented connection box. The air tube (from within the sensor cable) is returned via the side mounted cable gland so as to ensure that the reference/ambient pressure is based upon the in-tank pressure. It is sufficient that the cable with the air tube is inside the cable gland, due to the opening from the inside of the cable gland to the lower side of the tank head.

