

## Developed for aviation refuelling applications

System for automatic calculation of corrected differential pressure measurement in refuelling applications. The DPGUARD® provides an easy to use interface that is constantly monitoring the condition of the filter elements.

There are two versions of the DPGUARD® available, entitled gold or silver version depending on the requirement. The DPGUARD® gold has a configurable colour touch screen which can display the flow rate, the actual DP and the corrected DP. The DPGUARD® silver is often preferred in situation where a third-party system will display the information generated by DPGUARD®.



## Application Area

- Corrected dP-measurement in refuelling applications

## Technical Data

- Power supply: 24 V DC  $\pm 10\%$
- Degree of protection: IP65
- Signal transfer: Ethernet, LAN, WIFI
- Connections: 8 digital input: 24 V DC  $\pm 10\%$   
4 digital output: 24 V DC  
4 analog input: 0...20 mA  
3 relay output
- Communication protocol: Modbus TCP
- Operating temperature range:  $-30^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$ ) to  $+60^{\circ}\text{C}$  ( $140^{\circ}\text{F}$ )

## Features

The DPGUARD® monitors the condition of filter elements and provides an alarm indication when filter elements reach an abnormal dP. It performs a continuous dP check, logs the data and compares the data with previous calculated numbers. THE DPGUARD® offers close range connectivity via Ethernet and optional WiFi connection for longer range connectivity. The logic controller conveniently provides previous data from fueling operations.