



## FEATURES

- Eliminates the need for annual recertification
- Reduces downtime with planned, flexible maintenance options
- Delivers high quality, accuracy, precision, and fuel safety
- Operates for 12 months from initial power-up

## BENEFITS

- Improves GSE downtime
- Saves costs by reducing capital expenditure and minimizing downtime
- Reduces unexpected failures and enables proactive scheduling
- Ensures reliability and safety with high-quality performance metrics

## COMPARISON

| Feature         | AFGUARD®                                                | AFGUARD® XII                                      |
|-----------------|---------------------------------------------------------|---------------------------------------------------|
| Lifespan        | 10 years                                                | 12 months                                         |
| Activation      | N/A                                                     | Internal clock starts upon first use/installation |
| Initial cost    | Higher (CapEx purchase)                                 | Lower (OpEx Annual purchase)                      |
| Recertification | Required annually<br>(device removed and sent off-site) | Not required                                      |
| Usage           | Sensor re-used post-recertification                     | Sensor may be returned for recycling              |

## APPLICATION AREAS

It is mandatory to use an EI 1598 qualified Electronic Water Sensor in conjunction with EI 1599 Dirt Defence filter elements, while for all other filtration technologies throughout the fuel journey, its use is optional but highly recommended to verify filter performance.



Refinery



Terminal Storage



Airport Fuel Depot



Airport Hydrant System



General / Business Aviation /  
Helicopter Aviation



Commercial / Military  
Aviation



Refueller



Hydrant Dispenser



Hydrant Cart



Filter Water  
Separator



Single Stage  
Element Filter

## TECHNICAL DETAILS

- Measurement range: 0 – 50 ppm
- Accuracy: +/- 3 ppm
- 4 to 20 mA
- 16 – 30 V DC
- Protection class: IP 67
- Operating temperature range: -30 to + 60 °C (-22 °F to 140 °F)
- Storage temperature range: -30 °C to + 70 °C (-22 °F to 158 °F)
- Energy consumption: Max. 750 mW
- Maximum operating pressure: 16 bar
- Hazardous area approved, e.g. ATEX, IECEx

## WORLDWIDE

It is mandatory to use the AFGUARD® Electronic Water Sensor in conjunction with EI 1599 Dirt Defence filter elements, while for all other filtration technologies throughout the fuel journey, its use is optional but highly recommended to verify filter performance.