PRODUCT DATASHEET

Filter Water Separator for Aviation Refuellers

Monitor-to-separator kits for aviation refuellers





DETAIL – VESSEL FITTINGS

OVERVIEW

The Tech Inc. Filter Water Separator for Aviation Refuellers removes dirt and free water from jet fuel on refueller trucks and hydrant dispensers before the fuel reaches the aircraft. It replaces the older filter monitor, which is being phased out and blocks fuel flow when it senses water. The vessels are for use with EI 1581 qualified elements: the TI-FWSM300 retrofits 16 and 27 kilolitre (KL) refuellers, and the TI-FWSM1000 serves 40 KL refuellers and dispensers.

MODELS AND CONFIGURATIONS

- **TI-FWSM300** – monitor-to-separator retrofit kit for 16/27 KL refuellers.
- **TI-FWSM1000** – filter water separator for 40 KL refuellers and hydrant dispensers.

TYPICAL DESIGN DATA

Vehicle size	16/27 KL refuellers (TI-FWSM300), or 40 KL refuellers and dispensers (TI-FWSM1000)
Elements	For use with EI 1581 qualified coalescer and separator elements
Flow rate	Matched to the vehicle's fuelling rate, or to client specification
Pressure design	To the applicable pressure vessel code or client specification
Materials	Compatible with aviation turbine fuel, to client specification
Instruments	Differential-pressure gauge, sump drain and sampling point, with further instruments to client specification
Retrofit scope	Mounting, piping changes and connections to the existing refueller, to client specification

APPLICATIONS

Aviation refueller trucks, hydrant dispensers, monitor-to-separator retrofits on existing refuellers, and into-plane fuelling fleets.

KEY ADVANTAGES

- **Monitor-to-separator conversion** – retrofits the existing refueller and keeps the vehicle in service
- **Continuous water removal** – coalescer and separator stages remove free water and dirt instead of shutting off flow
- **Qualified element compatibility** – vessels for use with EI 1581 qualified elements
- **Matched to the vehicle** – mounting, piping and connections engineered to each refueller type
- **Simple maintenance** – element change, sump drain and differential-pressure check from the vehicle side

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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