PRODUCT DATASHEET

Aviation Fuel Farm Filtration Skid

Duty/standby jet fuel filtration for fuel farms





DETAIL – PIPEWORK

OVERVIEW

The Tech Inc. Aviation Fuel Farm Filtration Skid cleans jet fuel at airport fuel storage depots, removing dirt and free water on receipt into storage and on issue to the hydrant system or refuellers. The TI-FRS1400 is a duty/standby skid with two filter water separator vessels: one stays on line while the other is drained, inspected or re-elemented. We design and build the vessels for use with EI 1581 qualified elements.

MODELS AND CONFIGURATIONS

- **TI-FRS1400** – duty/standby separator filtration skid for airport fuel farms.
- **Receipt filtration arrangement** – configured for fuel received into storage, to client specification.
- **Issue filtration arrangement** – configured for fuel issued to the hydrant or refuellers, to client specification.

TYPICAL DESIGN DATA

Arrangement	Duty/standby, with two separator vessels on a common skid
Elements	For use with EI 1581 qualified coalescer and separator elements
Flow rate	Sized to the fuel farm receipt or issue 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
Instrumentation	Differential pressure on each vessel, sump drains and sampling points, with PLC signals to client specification
Electrical	Equipment selected to the fuel farm's hazardous-area classification

APPLICATIONS

Airport fuel farms, receipt filtration from pipeline, rail or road tankers, issue filtration to hydrant systems and refuellers, and defence and general aviation fuel depots.

KEY ADVANTAGES

- **No interruption** – duty/standby vessels allow element change and inspection while fuel keeps flowing
- **Qualified element compatibility** – vessels for use with EI 1581 qualified elements
- **Skid-mounted** – piped, instrumented and tested in the factory, then set on the foundation in one lift
- **Clear condition monitoring** – differential pressure on each vessel shows when elements need changing
- **Fits the fuel farm controls** – local gauges or PLC signals to client specification

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

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