

Design

- Modular Solution for FBO Fuel Farms
- Standardized Module Designs
- Fixed or Rotary Wing Aircraft
- Avgas or Jet Fuel

Features

- Fuel Transport Unloading
- Refueler Bottom Loading
- Direct-to-Plane Refueling
- Remote Dispensing

Quality

- Premium, brand-name components
- Precision-engineered, built and tested by Refueling Specialists
- Over 50 years of industry experience
- Stringent Quality Controls

Standards

- NFPA 30 & 407
- ATA 103
- FAA AC-150/5230-4
- API 1581 & 1529

Options

- Aluminum & SS Enclosures
- Self-Serve Card Readers
- Water Defense, Grounding & Overfill Protection Systems
- “Hot Refuel” Pantograph Systems

Pump & Filtration (PFT) Module Specifications



1. System Functions:

- Offload Tankers into storage at 200 USGPM
- Recirculate Product through filter at 200 USGPM
- Provide filtered fuel to other MARS Modules

2. Inlet Piping:

- 3" Aluminum Kamlok w/cap
- 3" Check Valve, Ductile Iron w/SS trim
- 3" Butterfly Valves, Ductile Iron w/SS trim (1-Truck Unload; 1-Storage Tank Supply)
- 3" Basket Strainer, cast steel w/SS basket
- 2 ½" Liquid-filled Compound Gauge, 30"-0-30 psi

3. Pump:

- 3" Blackmer GX3 Pump w/integral bypass relief valve & gear reducer, flexibly coupled to 15 h.p., 1750 rpm, explosion-proof motor, 230-460V/3/60 Base mounted w/coupling guard

4. Filter:

- Velcon 200 USGPM Filter/Monitor w/Aquacon Water-Absorbing elements, air eliminator, check valve, pressure relief valve, differential pressure gauge, dual SS fuel sampling probes & manual water drain valve

Pump & Filtration (PFT) Module Specifications

5. Discharge Piping:

- 3" Check Valve, Ductile Iron w/SS trim
- 3" Butterfly Valve, Ductile Iron w/SS trim (return-to-storage connection)
- 2 ½" Liquid-filled Pressure Gauge, 0-160 psi
- 3" Welded, Sch. 40 carbon steel piping throughout

6. Static Reel:

- Hannay GR-75-20 Spring Rewind Static Reel w/20 ft. of plastic-coated cable & ground clip

7. Controls:

- Explosion-proof Start/Stop Pushbutton Station
- Motor Starter by others

8. Skid System:

- Fabricated Steel, Perimeter Box Frame Skid with structural steel crossmembers to support key equipment items. Primed & painted single color

9. Options:

- Aluminum Cabinet Enclosure w/removable panels
- Welded Steel Containment Pan w/drain