



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

Compliance

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

Options

- Aluminum & SS Enclosures
- Self-Serve Card Readers
- Water Defense, Grounding & Overflow Protection Systems
- "Hot Refuel" Pantograph Systems

Millenium Systems International
 P.O. Box 229
 Westminster, MD 21158 USA
 Tel 443.838.9550
 Fax 443.836.0222
 e-mail: msintl@rcn.com
 www.millenniumsystemsintl.com

PFT (Pump & Filtration) 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 1/2" Liquid-filled Compound Gauge, 30"-0-30 psi
3. Pump:
 - 3" Blackmer GX3 Pump w/integral bypass relief valve & gear reducer, flexibly coupled to 10 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
5. Discharge Piping:
 - 3" Check Valve, Ductile Iron w/SS trim
 - 3" Butterfly Valve, Ductile Iron w/SS trim (return-to-storage connection)
 - 2 1/2" 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