

## 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

## Truck Loading (TLO) Module Specifications

### 1. System Functions:

-Bottom Load Truck Refuelers at 200 USGPM

### 2. Inlet Piping:

-3" Butterfly Valve, Ductile Iron w/SS trim  
-3" Welded, Sch. carbon steel piping throughout

### 3. Relaxation Tank:

-100 USG capacity Vertical Relaxation Tank, epoxy coated carbon steel construction with 3" flanged connections, air eliminator w/check valve, pressure relief valve and manual water drain valve. NOTE: Relaxation Tank required by NFPA 407 for Bottom Loading of Refueler Trucks

### 4. Meter:

-3" Liquid Controls Model M-15-A-2 Meter with large numeral counter. Meter rated at 200 USGPM flowrate. Aluminum & stainless steel construction

### 5. Deadman Valve:

-3" Emco Wheaton Deadman Loading Valve, aluminum construction, lever-operated w/slow-closing, shock-free operation

### 6. Loading Hose:

-2 ½" x 12 ft. Titan SS-244 Aircraft Refueling Hose, coupled male x male. Tested, serialized & certified per NFPA 407 & API 1529. Hose furnished with 3" aluminum, dual plane swivel joint for ease of deployment

### 8. Loading Nozzle:

-2 ½" Whittaker F116 Underwing Nozzle with inlet swivel, 60 mesh strainer & dust cover

## Truck Loading (TLO) Module Specifications

### 9. Static Reel:

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

### 10. Skid System:

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

### 11. Options:

- Welded, steel containment pan w/drain
- Hydraulic or Electric Deadman Valve
- Electronic Deadman System