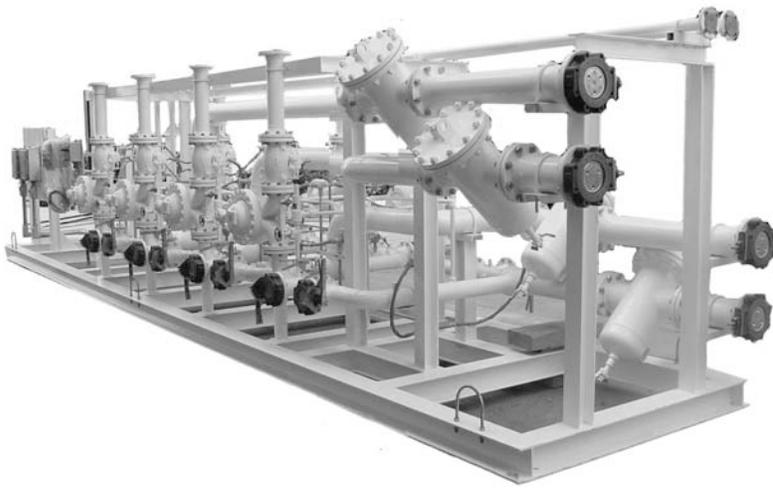


Truck Loading Rack



Product Description

Our skid-mounted designs are configured to meet the client's exact requirements. All units are fabricated to the latest standards – including the latest technology in truck loading equipment. Units are fabricated for ease of shipment and erection. Our typical unit fits in a standard closed shipping container.

We provide design, fabrication, local erection, and start up/commissioning services. Our design philosophy is to provide a fully assembled unit, with minimal mechanical or electrical work required on site.

Unless requested otherwise, we will use Smith Meters for all measurement and control equipment, Lubrizol/Gate City for additive injection, and Civacon for all rack monitors.

All units are pre-wired, with AC and DC junction boxes. Electrical connections are tested prior to shipment. No less than 5% of all pipe and structural welds are X-rayed. Factory Acceptance Test (FAT) is done according to the client's schedule, at our fabrication shop in Miami, FL. The client can witness all tests, including electrical, functional, and hydrostatic pressure tests.

Typical Equipment Listing

- Smith Meter Prime4 PD Meter
- Smith Inline Strainer
- Smith Accuload III Digital Preset
- Smith 210 Digital Control Valve
- RTD Exp Proof Assembly
- Bottom or Top Loading Arm (TTMA throughout)
- Lubrizol MiniPack Additive Injector
- Civacon Ground Monitor
- Civacon Rack Monitor (Bottom Loading)
- OPW API 1005 Coupler (Bottom loading)
- OPW Deadman Loading Valve (Top Loading)
- Vapor Recover Hose Assembly with Coupler
- Flame Arrester
- Jamesbury F815L Firetight Butterfly Valve
- Ashcroft Bimetal Thermometer
- Hoffman Junction Boxes
- Crouse Hind Electric Fittings
- Belden Wiring
- Galvanized or Urethane Coated Structure
- Galvanized Steel Gantry (Top Loading)

Optional Equipment / Services

- Terminal Automation System
- Fire suppression System and Components
- Fire Fighting Foam Skids and Monitors
- PLC
- ANSI / API Product Pumps
- Micronic / Coalescing Filter Vessels
- Accumate IBM Workstation and Printer
- Card Reader
- Prover Connections
- TAS / SAP Integration
- Additive Tank and Pump
- Facilities Design
- Hydraulic Studies
- Start Up / Commissioning
- Master Meter / Volumetric Test Measures

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EnviroFueler



Product Description

The EnviroFueler is a self-contained fuel storage and dispensing unit. The standard unit includes a submersible fuel pump, positive displacement flowmeter with reset counter/totalizer, fuel filter with water removal membrane, spring rewind hose reel, non-marking 1" fuel hose, automatic nozzle and hose swivel. A drip pan with manual pump is also standard. The unit is rated to 60 GPM, with optional ranges from 15 to 100GPM also available.

Instead of the PD meter, the EnviroFueler can be fitted with Gasboy fuel dispenser and suction pumps.

The tank is UL approved, double wall construction, primed and painted, with dual doors and standard tank openings.

Each unit is custom built to meet your requirements. Following is a partial list of available configurations and options. Please contact our office with you installation requirements.

Equipment Selection

Storage Capacity(USG)

- 2,000 3,000 4,000
 5,000 8,000 10,000

Configuration

- Single Hose
 Dual Hose

Rated Flow

- 15 GPM 30 GPM
 60 GPM _____

Hose Capacity

- 15Ft 30Ft 50Ft
 75Ft 100Ft _____

Registration Units

- USG Imp Gal
 Litres _____

Options

- Tank Vent
 Pressure/Vacuum Valve
 Fill Pipe
 Gasboy Suction Pump
 Gasboy Dispenser
 Ticket Printer
 Keylock System
 Level Gauge
 Leak Detection
 Veeder Root Electronic Register

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Bunkering Cart

Product Description

Bunkering carts are typically used dockside to deliver diesel and bunkers. The unit includes a positive displacement flowmeter with reset counter/totalizer, strainer with air release head, valve manifold, and dual hose reels. Units can be designed for flow rates from 25 to 420GPM, depending on flow meter and accessories selection. Registration available in US Gallons, Imperial Gallons, and Litres.

The unit is mounted on a hot-dipped galvanized steel trailer, dual axle, complete with DOT light package, leveling jacks, and heavy duty hitch..

The trailer is single axle, galvanized with retractable tongue, pneumatic tires, fenders, and (4) leveling jacks. DOT lights available as an option.

Our design is highly customizable. We can design and fabricate a unit to meet your exact requirements.

Typical Equipment Listing

- Smith Meter Double Case PD Meter
- Air Release / Strainer
- Veeder Root Reset Register / Totalizer
- Hannay 12V Power Rewind reel
- Hannay 1" Spring Rewind Hose Reel
- Ground Wire Reel with Clip
- 2" or 3" Heavy Duty Discharge Hose
- 1" Ø x 75Ft Green Marina Hose
- 2" or 3" 20Ft Suction Hose with MNPT Ends
- Inlet Butterfly Valve API607 Firetight Design
- Differential Pressure Gauge
- 2" or 3" 20Ft Suction Hose with MNPT Ends
- Kamvalok Dry Break Coupler Set
- Galvanized Trailer with Retractable Tongue
- Integral Drip Pan
- 12V Battery and charger
- Coupling Storage Locker

Optional Equipment

- Ticket Printer
- Register Swivel
- Fire Extinguisher
- Electronic Register
- Temperature Compensation
- Wireless Communication



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Specifications WorkSheet:

1. Single Or Dual Product

Product A

a. Flow Rate (Min/Max)

b. Pressure

c. Temperature

Product B

a. Flow Rate (Min/Max)

b. Pressure

c. Temperature

2. Single Or Dual Hose Reel

a. Hose Size / Length A

b. Hose Size / Length B

3. Unit of Registration

4. Nozzle / Coupling Type

Accessories:

- Temperature Compensation
 - Mechanical
 - Electronic
- EMR Electronic Register
- Mechanical Ticket Printer
 - Zero Start or Accumulative
- Preset
 - Mechanical
 - Digital
- Blending
 - Mechanical
 - Digital
- Fire Extinguisher
- Break-Away Safety Coupler
- Equipment Canvas Cover
- Wireless Data Transmission
- Other (Specify Below)

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Single Loading Arm Skid

Product Description

The SLA system has been designed complying with all major petroleum companies safety & performances requirements and API 1004 recommendations.

For markets changing from Top to Bottom loading standard, both loading techniques can be combined into one system.

The skid is designed for typical petroleum tank truck flows rates from 75 to 750 GPM

The SLA is designed for fueling applications where a compact unit is required. The unit includes a positive displacement flowmeter, digital control valve, basket strainer, bottom or top loading arm, electronic preset, ground verification monitor and butterfly valve.

The system modules are internally wired and require a power supply (115 VAC/60 Hz or 230 VAC/50 Hz).

To provide cost savings, the systems are already pre-assembled, functionally tested and ready for installation.

The skid may also be customized to meet specific customer needs.



Standard Equipment (Gasoline / Diesel)

- Smith Meter 4" PRIME 4 PD Meter 750GPM
- Smith Meter microLoad.net electronic preset
- Smith Meter 4" 210 Set-Stop Control Valve
- Smith Meter 4" E40 Strainer
- OPW 4" A-Frame Bottom Loading Arm
- Civacon 8130 Optic Rack Monitor
- Jamesbury 4" Butterfly Valve
- Pyromation RTD Temperature Probe
- Galvanized Frame with mounting plate

Others Applications

- Bio-Fuels equipment
- Blending Systems
- Aviation Loading & Unloading Systems
- Ethanol Systems
- Multiple Arms Loading Bay

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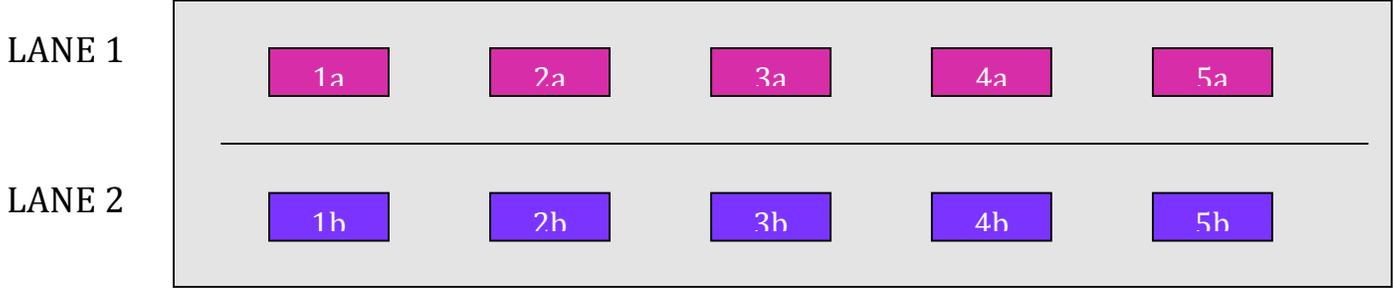
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Loading Rack • Basic Layout Information

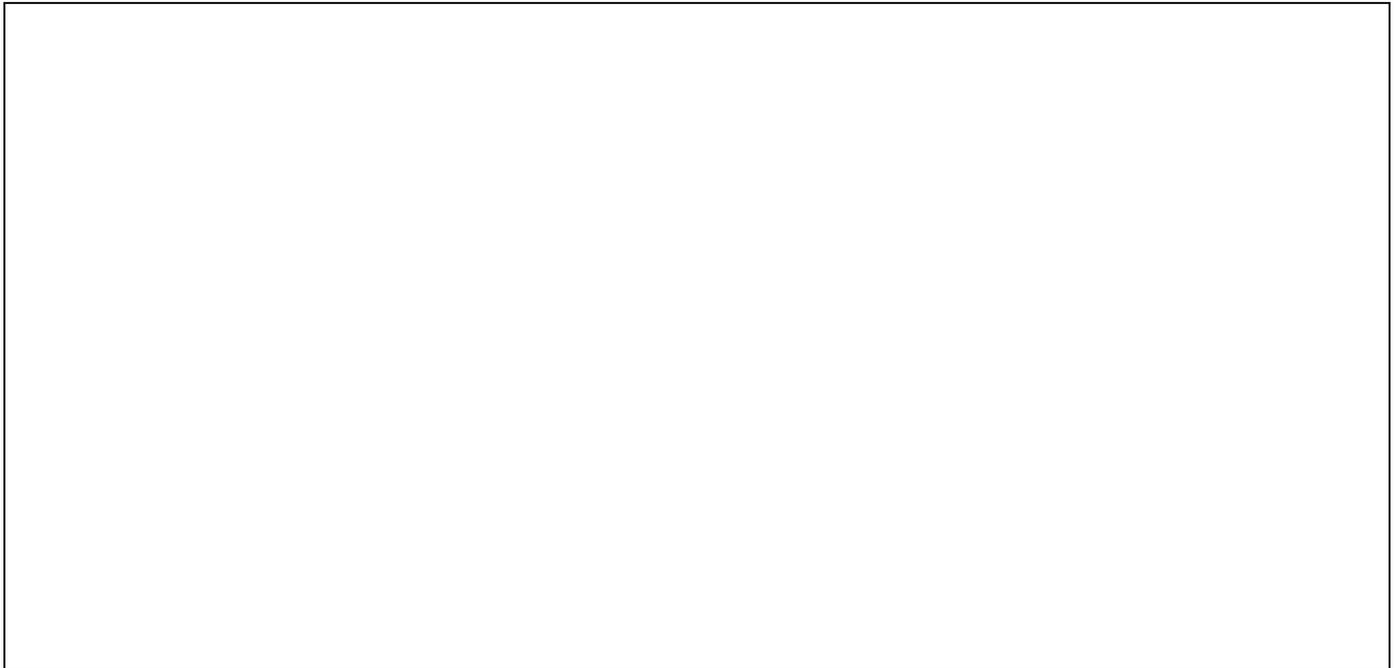
TOP Loading



BOTTOM Loading



Facilities Sketch



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