EASY TANK

COMPLETE FUELING SYSTEM FOR STANDARD FUELS

TANK CATALOG 2014

HALL TANK

THE QUALITY TANK COMPANY

PHONE: 800-322-4255 • P.O. BOX 5787 • NORTH LITTLE ROCK, AR 72119

EASY TANK

COMPLETE FUELING SYSTEM FOR STANDARD FUELS

A SMART WAY TO GO

The EasyTank system is a pre-engineered fully assembled code compliant package delivered to your site for easy installation. Simply provide a concrete pad with electrical service and you are ready to go. We'll even provide pad and drawings suited to your application. An environmentally friendly economical alternative.

STANDARD EQUIPMENT

- Dual Wall Fire Rated Tank
- Low Mount Fill With Containment
- Mechanical Gauge
- Leak Monitor
- Overfill Prevention Valve
- Emergency Venting
- Decals
- Single commercial series dispensers
- Fire Extinguisher

FEATURES & BENEFITS

- Pre-Engineered Package
- Code Compliant
- Easy Installation
- 30 Year Warranty on tank only
- Economical
- Consistent Quality

OPTIONS & ACCESSORIES

- FlameShield™ & FireGuard™ Tank Options
- Multi Product Compartment Tanks
- Fuel Management Solutions
- Retail Options

EASY TANK

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MODEL SELECTION

FLAMESHIELD® VS. FIREGUARD® VS. F921®

The decision to choose between a Flameshield and a Fireguard depends greatly on the acceptable standard of local Fire Marshals and the standard they will accept. In addition, it is important to factor in a) whether the tank will be used for Retail/ Public use or will it be used Commercially and b) the setback distance from the property line.

It should be noted The F921 and Flameshield tanks are physically the same tank. The F921 is labeled under the UL Standard and the Flameshield is labeled under the SwRI standard. Some Fire Marshals may prefer the Flameshield over the F921.

The Fireguard is the top-of-the-line tank because it is not only double-walled, but it also has internal insulation that helps keep the tank's contents cooler for a longer period of time in the event of a pool fire. That 3" space is filled with Perlite, a lightweight concrete type material, which also helps provide the projectile resistance rating.

STI defines double-wall tanks as those with "steel secondary containment vessels with built-in monitoring capability for the purpose of giving advance notice of leakage to avoid environmental contamination.

It's imperative to obtain approval from the local fire marshal on the system you propose to install. The STI books for F921, Flameshield and Fireguard state "Fire & Building Codes, such as NFP!30, NFPA30A, IFC and UFC should be followed for proper pipe and valve design and placement."

TANK CAPACITY

Consider the following when selecting tank capacity:

- Am I able to receive discounts on full loads of full?
- What is a "full load" (7-10,000 gallons)
- What is your throughput (usage)?
- How long does it take to get fuel delivered?
- 5% of the physical tank capacity is lost in the top of the tank on overfill protection and 5% from the bottom as the pump is set above the water and debris zone.
- Is the fuel going to sit for more than 6 months?
- Codes limit single tank capacity to 12,000 gallons. Variances must be sought for larger tanks.

***Note: A majority of the systems we sell are 12,000 gallons.*

OPTIONS

Single Compartment vs Dual Compartment: You can split the tank into separate compartments for multiple products.

Dispensing Packages: A second dispensing platform can provide multiple fueling positions. Two products can be dispensed on one end with a dual product dispenser as well.

Internal Tank Lining: A standard tank is bare steel. A corrosion inhibiting internal lining cab be installed. A good liner is expensive, as the tank is welded on the inside and the finish blasted to prepare for application of the coating. Internal corrosion is a problem if water bottoms are removed. A water sumping system is also available.

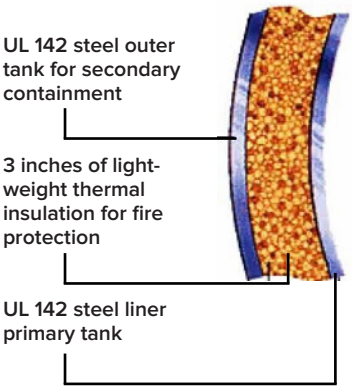
Pump Systems: We often do custom pump systems for bottom loading trucks that are transferring fuel to multiple remote dispensers, etc.. Our sales team can assist with any special requests here.

Fuel Management: We offer several fuel management system solutions from unattended retail credit card fleet keys, pin numbers, buying clubs, etc.. We will also pre-install a customer supplied proprietary system.

FIREGUARD® TANK

FireGuard offers the safety of UL 2085 steel secondary containment plus lightweight convenience.

FireGuard features a super lightweight insulation within the interstice, reducing total tank weight by more than half so it can be easily relocated! The porous insulation material allows migration of any liquid through the interstice to the monitoring point. The steel double wall design provides 110% UL-listed secondary containment. And FireGuard comes delivered as a complete unit with steel tank Institute Quality Assurance built in.



Now UL 2085 Listed using 3" of lightweight insulation between 2 walls of steel.

- Monitoring tube for interstitial leak detection, 2-hour fire rating
- Meets 1994 Uniform Fire Code for "Protected Tank" Appendix IIF
- UL 2085 listed for "Insulated Secondary Containment"— Protected Type AST's
- Meets NFPA 30/30A codes (reduced separated distance)
- Inner and outer steel tanks built to UL 142
- UL Listed Secondary Containment
- STI Licensed and made to STI quality Standards
- No exposed concrete no spalling or cracking
- 30-year limited warranty
- UFC Appendix IIF ballistics Protection
- UFC Appendix IIF impact protection

FIREGUARD
LIGHTWEIGHT DOUBLE WALL STEEL TANK INSTITUTE

FLAMESHIELD® TANK

The Flameshield fire-resistant aboveground storage tank is manufactured with a tight-wrap double-wall design. Standard features include tested 2-hour fire resistance, built-in secondary containment and interstitial monitoring capabilities. Double wall design offers integral secondary containment, which can be tested for tightness onsite throughout tank life. Interstitial space can be monitored for leak detection. Primary stage tank and secondary containment are compatible with a wide range of fuels and chemicals. Built to nationally recognized STI standards with strict third party quality control inspection program. Customized compartments can be provided for cost effective multi-product storage. Capacities up to 50,000 gallons.

CAPACITY	NO. OF	DIMENSIONS		INNER TANK		OUTER TANK		WEIGHT
IN GALLONS	SADDLES	DIAMETER	LENGTH	HEAD	SHELL	HEAD	SHELL	IN POUNDS
300	2	3’ 2”	5’	12 GA	12 GA	10 GA	12 GA	595
500	0	4’	5’ 4”	12 GA	12 GA	10 GA	12 GA	1,036
500	3	4’	5’ 4”	10 GA	10 GA	10 GA	12 GA	1,203
500	2	4’	5’ 4”	7 GA	7 GA	10 GA	12 GA	1,321
1,000	2	4’	10’ 8”	10 GA	10 GA	10 GA	10 GA	1,830
1,000	2	4’	10’ 8”	7 GA	7 GA	10 GA	10 GA	2,473
1,500	2	5’ 4”	9’	7 GA	7 GA	10 GA	10 GA	2,665
2,000	2	5’ 4”	12’	7 GA	7 GA	10 GA	10 GA	3,260
3,000	3	5’ 4”	18’	7 GA	7 GA	10 GA	10 GA	4,461
4,000	3	5’ 4”	24’	7 GA	7 GA	10 GA	10 GA	5,788
4,000	2	8’	10’ 6”	5/16”	1/4”	7 GA	10 GA	6,608
5,000	2	8’	13’ 4”	5/16”	1/4”	7 GA	10 GA	7,666
5,000	3	6’	23’ 10”	5/16”	1/4”	7 GA	10 GA	8,358
6,000	2	8’	16’	5/16”	1/4”	7 GA	10 GA	8,761
6,000	3	6’	28’ 8”	5/16”	1/4”	7 GA	10 GA	9,824
8,000	3	8’	21’ 4”	5/16”	1/4”	7 GA	10 GA	10,913
10,000	4	8’	26’ 8”	5/16”	1/4”	7 GA	10 GA	12,831
10,000	2	10’	17’	5/16”	1/4”	1/4”	7 GA	13,583
12,000	4	8’	32’	5/16”	1/4”	7 GA	10 GA	14,887
12,000	3	10’	20’ 6”	5/16”	1/4”	1/4”	7 GA	15,527
15,000	4	8’	40’	5/16”	1/4”	7 GA	10 GA	18,256
15,000	3	10’	25’ 6”	5/16”	1/4”	1/4”	7 GA	17,710
20,000	4	10	34’	5/16”	1/4”	1/4”	7 GA	22,980
25,000	4	10’ 6”	38’ 9”	5/16”	1/4”	1/4”	7 GA	27,391
30,000	5	10’ 6”	46’ 6”	5/16”	1/4”	1/4”	7 GA	31,975

FLAMESHIELD® TANK

SYSTEM OVERVIEW

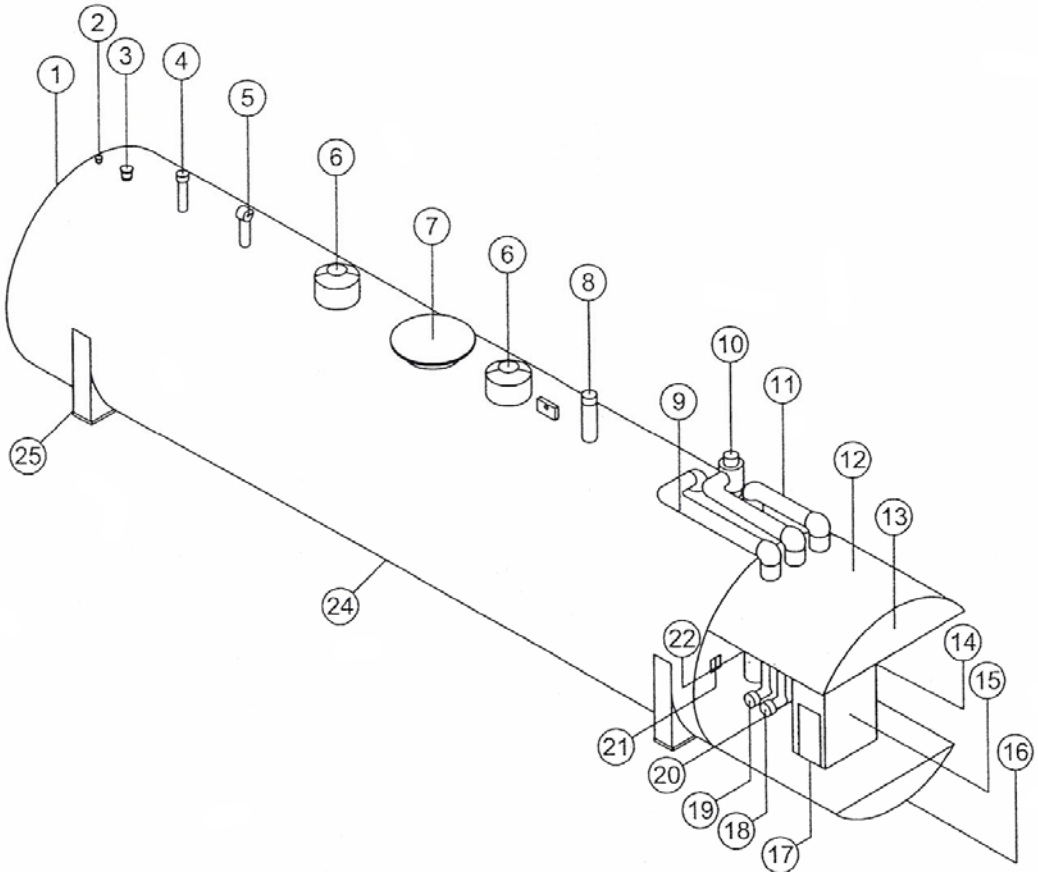


TABLE COMPONENTS

1 LADDER PLATFORM
2 LEAK DETECTION
3 STICK PORT
4 ATMOSPHERIC VENT
5 CLOCK GAUGE
6 EMERGENCY VENTS
7 MANWAY
8 ELECTRONIC LEVEL GAUGE
9 STAGE 1 VAPOR RECOVERY
10 SUBMERSIBLE PUMP
11 OVERFILL PREVENTION
12 CANOPY
13 LIGHT (OPTIONAL
14 FUEL MANAGEMENT
15 DISPENSER
16 PUMP PLATFORM
17 FIRE SHEER VALVE
18 FILL
19 STAGE 1 VAPOR (GAS ONLY)
20 J-BOX
21 OVERFILL ALARM
22 FIRE EXTINGUISHER
23 DECALS
24 DUAL WALL CONTAINMENT TANKS
25 WELDED SADDLES

DISPENSERS

Advanced electronics and meter technology, combined with rugged heavy-duty construction, place the Select 3/G7200 Series in a class of its own for fleet fuel dispensing. The iGEM electronics platform provides user operating messages, transaction limit controls, error monitoring, enhanced diagnostics, and allows software uploads/downloads via a PC. An infrared remote control allows configuring settings, reading totalizers, and accessing diagnostic tools – all without opening the dispenser. Field-proven components ensure high performance and long life in the demanding fleet environment.

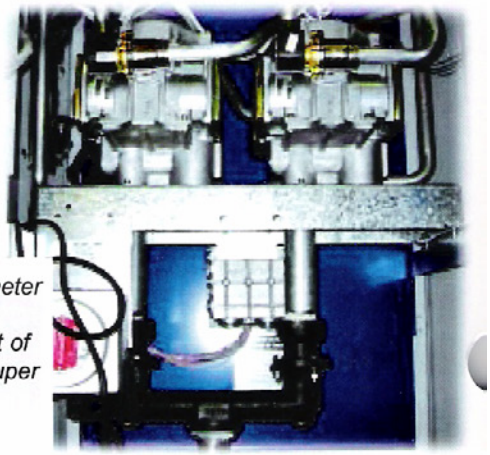
DRESSER Wayne

KEY FEATURES & BENEFITS

- "Status" display keeps user informed of dispenser operating status – authorized by control system, satellite-in-use, etc.
- Dependable, field-proven gear-type pumping units (suction models) withstand years of hard use
- Standard 1-HP motors (suction models) deliver maximum flow performance
- Micro-accurate, intelligent iMeter allows quick, accurate electronic calibration
- Heavy gauge galvannealed steeled external panels with powder-coated finish provide superior weather and corrosion resistance
- Patented "double-bump" piping provides secure connections while simplifying component replacement during servicing
- Internal filters (remote dispensers) help ensure product purity
- Convenient hinged doors provide easy service access
- All user controls meet American Disabilities Act (ADA) requirements

OPTIONAL BENEFITS

- Pulse output interface offers two outputs per hose for connection to both fuel control systems and tank monitors
- Internal hose retractor and hose mast options help keep hoses out of the fueling lane
- External filters for suction models to help ensure product purity



Unique duplex meter design allows combining output of two meters for super high capacity models.

DISPENSERS

CENTURY SERIES DISPENSERS

STANDARD FEATURES

- 33” frame
- Backlit 1” sales display for enhanced viewing
- iGEM electronics
- iMeter hydraulics
- Spin on filter (remote dispensers only)
- Lift-to-start operation
- Two wire (Current Loop) dispenser interface
- Electromechanical totalizer per product
- Power paint, galvanneal cabinet panels
- Hose hanger
- Excludes hoses & nozzles

OPTIONAL FEATURES

(AVAILABILITY DEPENDENT ON MODEL)

- Enhanced capacity (1” hose outlet)
- Master / Satellite configuration
- High capacity configuration
- Satellite in Use indicator
- 12 button money / volume preset
- Stop button
- Auto on
- Hose retractor
- Hose mast
- 230 VAC computer & lighting circuit power
- E-85 compatibility (March 2006)

DRESSER
Wayne

STANDARD WARRANTY

- 12 months from the date of installation or 18 months from the date of invoice, whichever occurs first
- Optional extended warranty available

DISPENSERS

RELIANCE SERIES FLEET DISPENSER

STANDARD FEATURES

- Non-computer mechanical register with power reset interlock
- Non-resettable accumulative totalizer
- 2-piston positive displacement meter
- Gear type pumping unit with 1-hp continuous duty motor (suction models)
- 115 VAC, 60 Hz operation (motors: 115/230 VAC, 50/60 Hz)
- Internal filter with standard 10-micron filter element
- 1 ½" inlet connection
- 1" high flow internal piping
- 1" discharge with ¾" reducer bushing
- Internal port for satellite piping connection (remote models)
- Heavy-duty galvanneal steel construction
- Powder coat finish (silver sides & top; blue doors)
- AC junction box
- Hose hanger
- Hinged doors
- User control meet ADA requirements
- C-UL-US listed; Weights & Measures sealable for contracted billing
- Excluded hose & nozzle

DRESSER
Wayne

OPTIONAL FEATURES

(AVAILABILITY DEPENDENT ON MODEL)

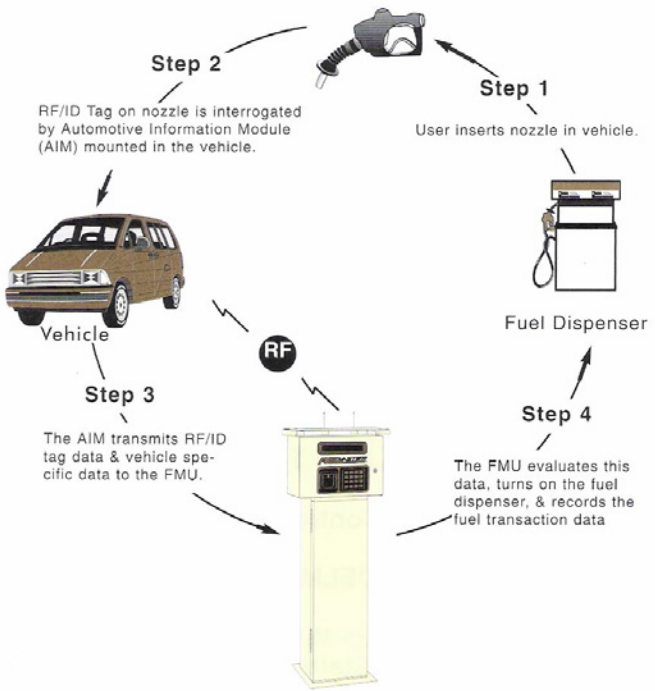
- Healy VAC vapor recovery (remote models)
- 10:1 or 100:1 pulser
- Light
- Internal hose retractor
- Hose mast kit
- External filter kit
- Stainless steel panels
- Black, green, red, silver, yellow, white, or stainless steel doors
- Two-stage solenoid valve (suction models)
- Inlet check valve kit
- Reversed accumulative totalizer
- Liter measurement
- 230VAC operation (valves & reset)
- 50 Hz operation
- Hand crank kit

STANDARD WARRANTY

- 12 months from the date of installation or 18 months from the date of invoice, whichever occurs first.
- Optional extended warranty available

FUELMASTER®

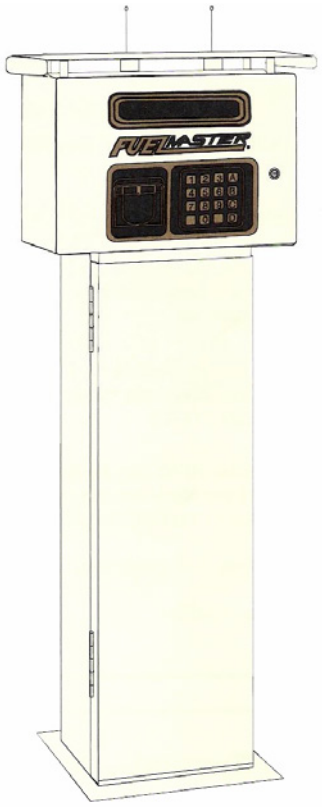
FUELMASTER® FUEL MANAGEMENT UNIT (FMU)



FUELMASTER® 3000
FUEL MANAGEMENT SYSTEM

- Modern state-of-the-art RF communications
- Intrinsically safe
- Easily installed
- Stores Vehicle ID, Fuel Type, and Quantity limits.
- Counts current vehicle mileage
- Interrogates Nozzle Mounted RF/ID Tag only when the nozzle is inserted in the vehicle's Fuel Filler Neck
- Transmits RF/ID Tag ID, Vehicle ID, Fuel Type, Quantity Limitations, and Current Mileage to FUELMASTER
- Continues to monitor RF/ID Tag for its presence in the Fuel Filler Neck and continues to transmit this status to the FUELMASTER
- Positive control over fuel dispensers
- Vapor recovery compatible

- Autonomous Security Control & Accounting
- No User Interactive Input Requirements
- Modern State-of-the-Art RF Communications
- Proven FUELMASTER Fuel Management Unit (FMU)
- Autonomous Collection of Vehicle ID, Current Mileage, Date, Time, Fuel Quantity, Fuel Type
- Positive Control Over Fuel Dispensers
- Proven FUELMASTERS Software
- Continuous Monitoring of Nozzle Insertion Status
- Syn-Tech Customer Support
- The Nozzle Mounted RF/ID Tag requires no power
- No requirement for wires running down the fuel hose. Wires are very damage prone used in an inductive coupling system due to 360* swivels and quick disconnects
- No safety barriers need to be mounted dispenser. Both the AIM and the RF/ID Tag and intrinsically safe



SUBMERSIBLE PUMP

Submersible Pumps are known for providing years of trouble-free performance. FSI prefers submersible pumps over suction pumps as pumps push liquid better than they pull it. Submersible pumps also benefit from being liquid cooled and electrically efficient. The dependability of a submersible pump is unequaled.

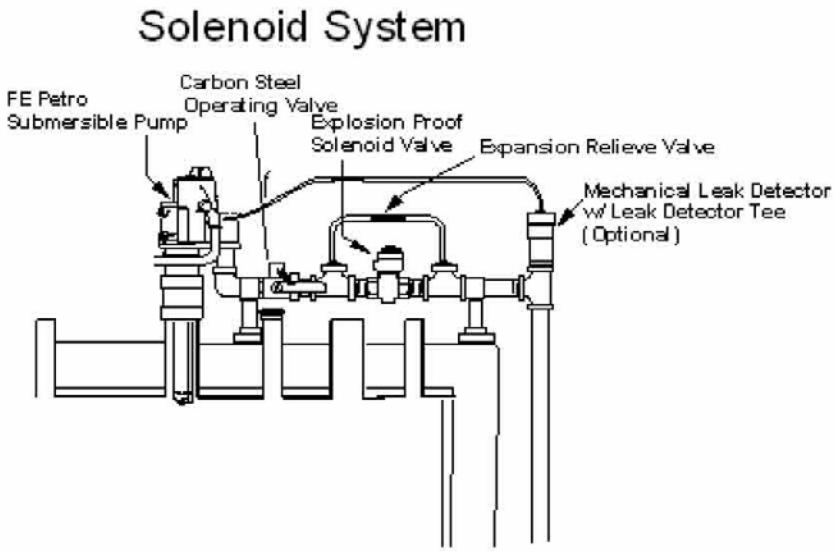
SPECIFICATIONS

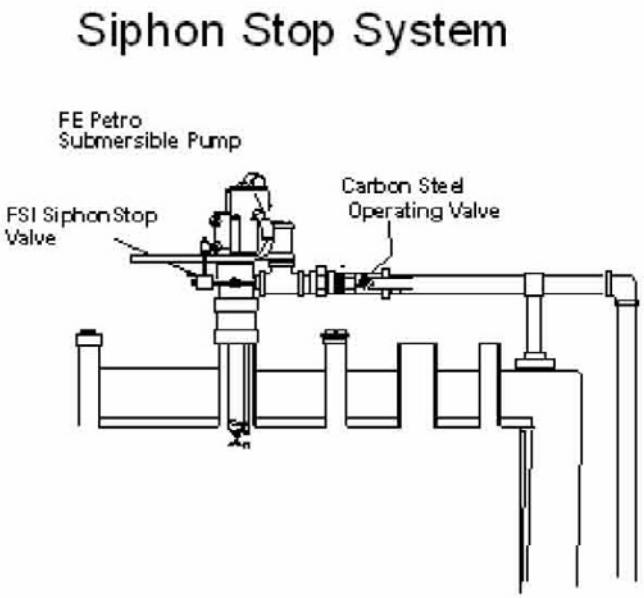
- Pump Motor: ¾ HP Centrifugal type
- Thermally protected: Automatic thermal overload turns motor off at approximately 205* F (95* C) and resets on at approximately 115* F (45* C)
- Liquid Compatibility: Standard units compatible with fuel mixtures containing up to 15% ethanol or methanol with gasoline and 20% MTBE, 20% ETBE, or 17% TAME with gasoline, and diesel fuels
- Check Valve: 2 ¾” (70 mm) diameter constructed of aluminum and steel with fluorocarbon seal
- Pressure Relief Valve: Standard valve is set to relieve static line pressure at 35-50 PSI (2.38 to 3.4 bar) reseals above 20 PSI (1.36 bar)
- Air Eliminator: Returns air to tank with one way check valve to prevent back flow
- Seal Elastomers: All wetted seals on standard units use Viton*
- Approvals and/or Listings: UL, CSA, BASEEFA, TUV, SAA, BKI, INMETRO, TIIS, FHK, FTZU, others pending
- Quality Certification: FE Petro is an ISO 9001 Certified Manufacturer

ANTI-SIPHON SYSTEM

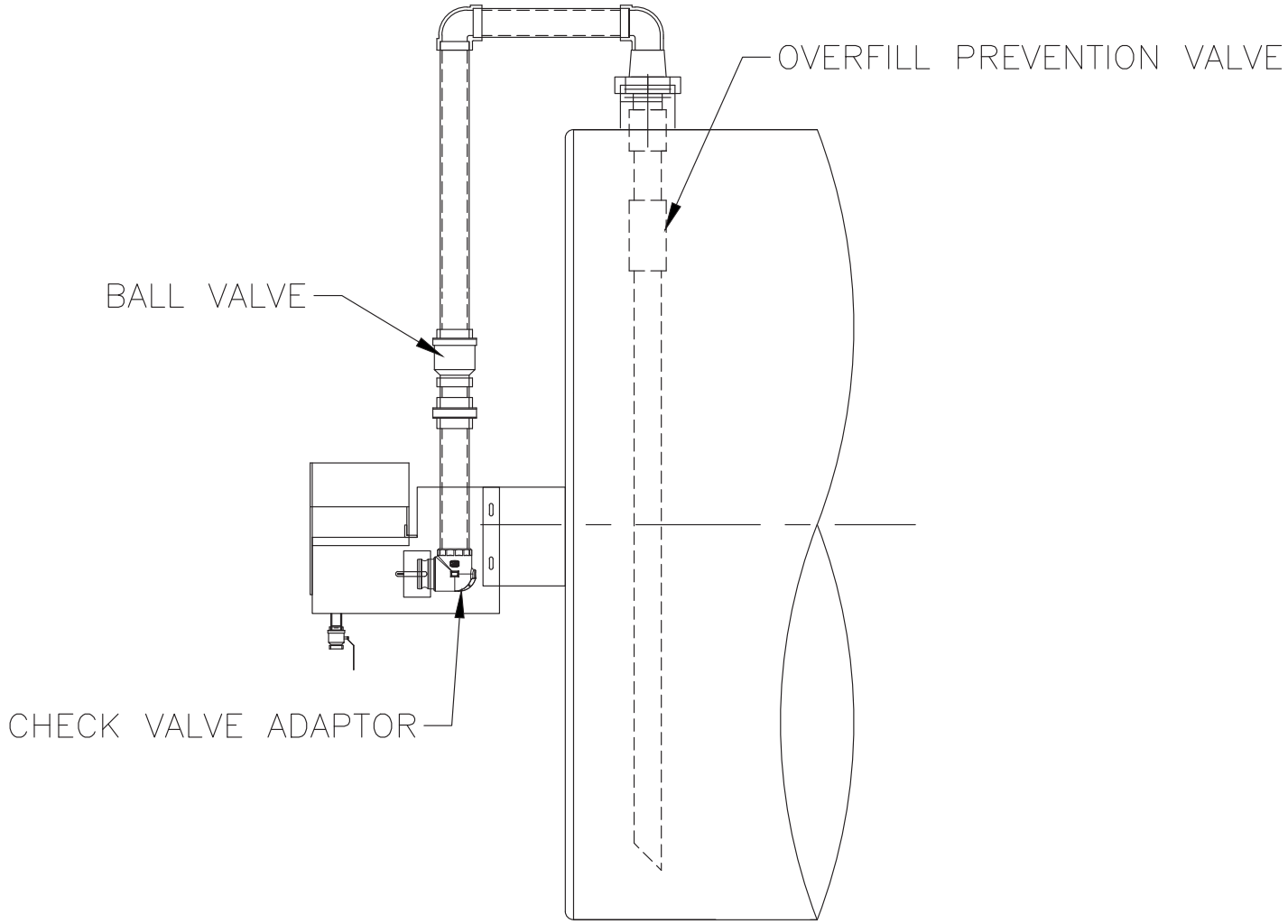
DESCRIPTION

The Siphon stop is a siphon prevention device used on submersible pumps for aboveground storage tank installation. It replaces the traditional solenoid valve system currently used by the industry. The system is designed to break a vacuum. It works in conjunction with the submersible pump “tank test port” to allow air to enter the line in a negative pressure situation. It will prevent the tanks contents from siphoning through the submersible pump. Thermal expansion is relieved via the standard STP pressure relieving system. The fail-safe design will prevent siphoning even with failed seals. (The failed seals will cause a leak detector to “trip” giving indication that service needs to be performed.





HIGH CAPACITY REMOTE FILL



PACKAGE SPECIFICATIONS

Remote Fill Container: 4 Gallon capacity, 12 ga. steel construction, drain with locking ball valve, UL Listed.

Truck Adaptor: 3” check valve adapter with male quick connect adaptor and dust cap. Conveniently able to connect and disconnect tank filling components quickly and cleanly.

Ball Valve: 3” forged brass, Hard chrome plated ball, Teflon seals, Locking, UL Listed.

Overfill Prevention Valve: 3” Aluminum, 566 GPM Rated Capacity at 10 PSI pressure drop, Activates at 95% Tank Capacity with anti-splash aluminum drop tube.

Piping: 3” Schedule 40 Black Carbon Steel.

TANK VENTING

Each tank needs an atmospheric vent and an emergency vent. Dual wall tanks require two emergency vents; one for the primary tank and one for the secondary tank. The secondary emergency vent is sized to match the primary emergency vent. Loose bolt manways can also be substituted as the primary tank emergency vent.

Atmospheric Tank: A storage tank that has been designed to operate at pressures from atmospheric through 1.0 PSIG (760 mm Hg through 812 mm Hg) measured at the top of the tank (NFPA 30 pg 30-8). Pressure not to exceed 1.0 PSIG under normal operation, and 2.5 PSIG under emergency conditions (PEI RP-200).

Emergency Venting: Emergency Vent (pressure relief only) used on Aboveground Storage Tanks, as a code requirement, to help prevent the tank from becoming over-pressurized and rupturing if exposed to fire. UL Listed.

Pressure Relieving Devices: Defined in NFPA 30 2-3 6.4, where entire dependence for emergency relief is placed upon pressure relieving devices, the total venting capacity of both normal and emergency vents shall be enough to prevent rupture of the shell or bottom of the tank if vertical, or of the shell or heads if horizontal.

Atmospheric Vents: Two types of atmospheric vents are used. Diesel fuel and oils use an open atmospheric vent. Gasoline uses a pressure/vacuum vent. Pressure/vacuum vents serve multiple purposes including reducing vapor loss and enabling vapor recovery systems.

CAPACITY (GALLONS)	DIAMETER	LENGTH	WETTED AREA	REQUIRED VENT CAPACITY (CFH)	EMERGENCY VENT SIZE (INCHES)	ATMOSPHERIC VENT SIZE (INCHES)
280	36”	5’ 2”	47	49,520	3	2
300	38”	5’ 0”	49	51,640	3	2
500	48”	5’ 5”	69	72,650	4	2
530	46”	6’ 0”	71	74,750	4	2
550	48”	6’ 0”	75	78,950	4	2
1,000	48”	10’ 8”	119	124,950	6	2
1,000	64”	6’ 0”	109	114,450	4	2
1,500	64”	9’ 0”	147	154,350	6	2
2,000	64”	12’ 0”	184	193,200	6	2
2,500	64”	15’ 0”	222	223,320	6	2
3,000	64”	18’ 0”	259	243,680	6	2
3,000	6’ 0”	14’ 0”	240	233,400	6	2
4,000	64”	24’ 0”	335	281,100	6	2
4,000	6’ 0”	19’ 0”	311	270,060	6	2
5,000	8’ 0”	13’ 4”	326	276,960	6	2
6,000	8’ 0”	16’ 0”	376	300,480	8	2
8,000	8’ 0”	21’ 4”	477	344,340	8	2
10,000	8’ 0”	27’ 0”	584	385,920	8	2
10,000	9’ 0”	21’ 0”	540	369,200	8	2
10,000	10’ 0”	17’ 0”	518	360,840	8	2
10,000	10’ 6”	15’ 7”	515	359,700	8	2
12,000	8’ 0”	32’ 0”	678	420,080	8	3
12,000	9’ 0”	25’ 0”	625	401,000	8	3
12,000	10’ 0”	20’ 6”	600	392,000	8	3
12,000	11’ 0”	17’ 0”	583	385,540	8	3
15,000	8’ 0”	40’ 0”	829	470,990	8	3

MECHANICAL GAUGE

The Morrison Fig 818 Clock Gauge is used for measuring liquid level in aboveground storage tanks. Readout format is on a standard 12-hour clock face. Small hand represents feet and the large hand represents inches. Gauge can be read up to 20-30 ft. away to within 1/8 inch. Maximum measurement capability is 12 feet. The gauge can be rotated 3600 after mounting. The standard float will pass through a 2-inch opening.

SPECIFICATIONS

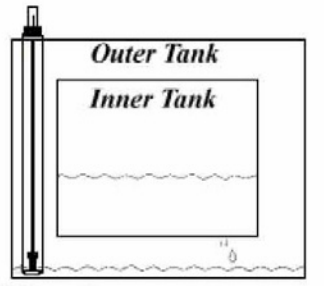
Body: Aluminum with 2 inch NPT Connection

Float: Stainless Steel

Cable: Stainless Steel

Optional High Level Alarm

LEAK GAUGE



When Gauge on a system with an interstitial tube

Direct mechanical action to detect leakage of the inner tank.

PETRO VEND K 800®

FUEL CONTROL SYSTEM

Whether you're operating a small fleet with a single fuel site or a large fleet with many sites, the Petro Vend K800™Fuel Control System by OPW Fuel Management systems can provide you with the tools you need to manage one of your biggest operating expenses– Fuel. The K800 only allows authorized card, code or ChipKey holders to access fuel, tracking every fueling transaction and restricting vehicles to the type of fuel and quantities they need. The K800 provides you with the security, accountability and control your unattended fueling operation needs.

At the heart of every K800 system is the Fuel Site Controller. It stores transaction data and driver and vehicle records, including fueling restriction data critical to proper fleet management. For added security, the Fuel Site Controller is kept indoors, away from the hazards of a 24-hour fueling island. Unlike self-contained systems, if the Fuel Island Terminal is damaged, your valuable data is safe. All Fuel Site Controller programming is done right from your PC, either locally or over phone lines using a modem.

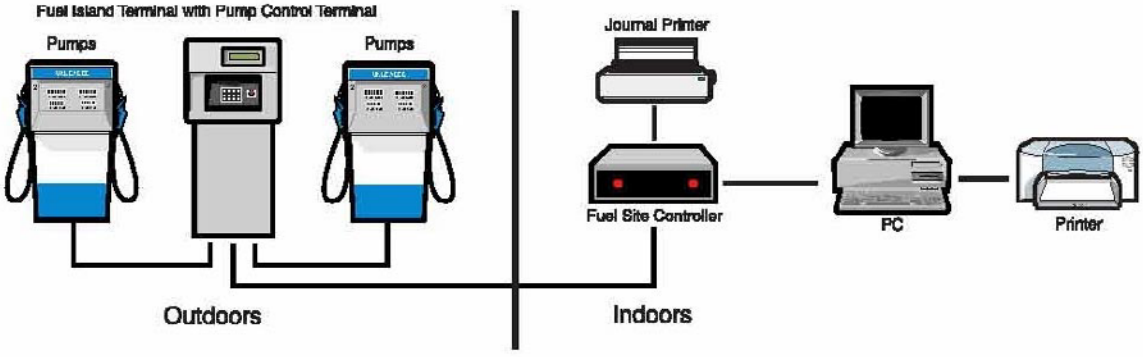
K800 FUEL ISLAND TERMINAL BENEFITS

- Backlit LCD for visibility in bright sunlight or at night
- Programmable prompts to guide drivers through the fueling process
- Durable alloy keypad, 16 gauge steel enclosure and thermostatically controlled heater for reliable operation in the harshest environments
- High-impact plastic door overlay and powder coated enclosure and matching pedestal maintain their appearance for years to come
- Built-in pulser power supply, pump control and pre-punched conduit access for easy installation
- Built-in diagnostics for simplified troubleshooting

K800 FUEL SITE CONTROLLER BENEFITS

- Controls up to 4 Fuel Island Terminals and 16 hoses simultaneously to meet your needs today and tomorrow
- Up to 10,000 cards and 1,800 transactions can be stored in memory
- Menu-driven programming with on-screen help for ease of use
- Serial communications ports for printer, PC and modem
- Desktop controller can also be conveniently wall-mounted
- Easily interfaces to existing personal computers

Typical Installation



VEEDER ROOT TLS-300 C

TANK MONITORING SYSTEM

Designed to provide the highest quality and most cost effective tank monitoring system for non-retail, commercial, industrial, and municipal tank owners, the new TLS-300C 2 tank configurable console offers the ultimate flexibility in one to two tank inventory control and in tank leak detection system.

VEEDER-ROOT

STANDARD MODELS:

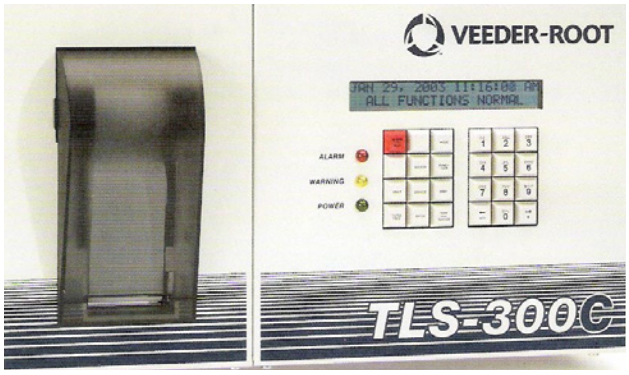
Console Form Number:	848590-521
Description:	TLS – 300C 0-2 Tank Console with Integral Printer
Console Form Number:	848590-511
Description:	TLS-300C 0-2 Tank Configurable Console without Integral Printer
Software Enhancement Modules*:	330161-001 | 330161-003
Description:	Static In-Tank Testing | CSLD
Optional Site Fax Modem:	331398-001
Description:	Site Fax Modem Kit for TLS-300 Series Consoles
Optional Ethernet/IP Card:	330020-424
Description:	Ethernet/IP Kit for TLS-300 Series Consoles

FEATURES

- System monitors up to two tanks
- RS-232 Communication Interface with Auxiliary Port provides two 25-pin D-connectors for data transmission to computers or point-of-sale terminals
- Automatic continuous leak sending: tank interstitial space, piping sump
- Audible alarm and display indicate leak location
- In-tank warnings and alarms are activated for the following conditions: leak, overfill, low product, sudden loss, high water, delivery needed, test failure, tank test not performed
- Accepts up to eight interstitial/containment float sensors
- Interstitial and piping sump warnings and alarms are activated for the following conditions: fuel presence, low liquid, high liquid
- Alarm relays can trigger alarm/security devices
- Two built-in inputs provide for solid-state or switch input from external devices
- Two built-in output relays provide for outputs to overfill alarms and external audible and visual warning devices
- Either relay can shut down the submersible if power to the monitor is lost or a leak is detected
- Emergency generator applications are selectable via programming
- One system handles a mix of standard and emergency generator tanks
- Records generator activity
- Complete inventory reports before and after generator operation

CONFIGURABLE FEATURES

- Continuous Statistical Leak Detection for in-tank leak detection without tank shutdown
- Integral printer, which documents inventory leak detection, alarms and setup information
- SiteFax modem for remote management of leak detection and inventory alarms and reports
- One or two Veeder-Root Magnetostrictive Probes for 0.1 GPH in-tank leak detection with 4” float kit and 5” cable
- One of two Veeder-Root Inventory Only Probes for Inventory Control with 4” float kit and 5” cable



The following probes and sensors are compatible with the TLS-300C Monitoring System:

FORM NO.	DESCRIPTION
847390-1XX	0.1 GPH Magnetostrictive Probe
847391-XXX	0.1 GPH Magnetostrictive Probe for Alternative Fuels
847390-3XX	Magnetostrictive Probe for Inventory Measurement
794390-40X	Interstitial Sensor for Fiberglass Tanks
794390-420	Interstitial Sensor for Steel Tanks
794390-20X	Piping Sump Sensor
794380-301	Single-Point Hydrostatic Sensor
794380-302	Dual-Point Hydrostatic Sensor
794380-322	Discriminating Dispenser Pan Sensor
794380-352	Discriminating Containment Sump Sensor

Please refer to the Veeder-Root Price List for required probe and sensor lengths and corresponding 3-digit Form Number suffix.

SITE MANAGER

Designed specifically for the EasyTank system in compliance with the National Electric Code, NFPA and UFC. The system includes branch circuit panel board, pump motor starter, disconnect relays, pump running indicator, panel disconnect, with maintained mushroom head push button, optional area light HO-A and photocell (not shown). Shipped lose and installed 20-100 feet away from tank.

SPECIFICATIONS

- Enclosure: NEMA 4X Fiberglass
- Power Requirements: 30 amp 240V Single Phase
- All components are UL listed
- Disconnects all fueling system circuits per NFPA 70-514

FACTORY PRE-WIRED OPTION

Optional factory pre-wired using premium quality mineral insulated, flexible, fire rated, UL Listed cable. A junction box provides connection to user-supplied conduit between the tank and the tank controller. Color-coded connections eliminate guesswork.

MINI TANK

The EasyTank Mini Tank system is a pre-engineered fully assembled code compliant delivered to your site for easy installation. Simply provide a concrete pad with electrical service and your ready to go. We'll even provide pad and electrical drawings suited to your application. An environmentally friendly economical alternative.

FEATURES AND BENEFITS

- Pre-Engineered Package
- Code Compliant
- Easy Installation
- 30 Year Warranty
- Economical
- Consistent Quality

STANDARD EQUIPMENT

- Dual Wall Fire Rated Tank
- Electronic Dispenser
- Top Mount Fill with Containment
- Alarm Clock Mechanical Gauge
- Leak Monitor
- Overfill Prevention Valve
- Emergency Venting
- Decals
- Fire Extinguisher

GASBOY MODEL 72 PUMP

STANDARD FEATURES

Delivery Rate: Up to 18 GPM
Register: 4-wheel push-button reset. Includes 7-digit master totalizer
Meter: Nutating disc phenolic measuring chamber in aluminum die cast housing. Adjustable calibration +/-.5% at full flow
Pumping Unit: Self-priming, direct drive rotary vane. 23 PSI (1.6 bars) stainless steel bypass valve. Check valve with pressure relief valve
Strainer: 100-mesh nylon
Motorand Power Requirements: Explosion-proof, 1/3 HP, 1725 RPM, 115 VAC, 60 Hz motor with thermal overload protection and auxiliary AC line
** Vacuum breaker located in the discharge casting to prevent accidental siphoning when the nozzle is open and lower than the product level*

FOUNDATIONS PLANNING

An EasyTank weighs approximately 1.5 lbs per gallon. Add the weight of the fuel at 7.5 lbs per gallon and you see you have a very heavy piece of equipment to support. If your site has good stable soil (2800 psf +) you may be able to use some of the following design examples. If your site is “soupy” or you’re not sure you should enlist the services of a professional engineer.

Three common foundation systems:
Crushed Stone Only: This option does not anchor the tank. Optional runner skids are added to the tank to spread the load.

Concrete Piers: Two piers are used to support the saddles. These piers are typically 36 inches wide by the tank diameter plus a foot on each side (3’ x 10’ or 3’ x 12’) deep. These typically provide adequate structural support. They do not provide floatation protection.

Concrete Slab / Tank Shadow: A 6” pad is placed on crushed stone. Wire mesh reinforcement is also used. The pad size correlates to the tanks width by length. An apron of 2-3’ all the way around the tank is often done as a walkway. Concrete

Slab with Bollards: A concrete pad is provided that extends beyond the bollard by 12”. Seismic Zone 4 — An 18” pad with reinforcement. Tank saddles are anchored. Our CAD department provides site-specific drawing including conduit stub up locations, bollard placement, etc.

IMPORTANT NOTE:

NFPA requires vehicle impact protection bollards be placed 5 feet from the tank on a maximum 4’centers.

“K Rail” or “Jersey Barrier” precast concrete systems are often substituted. These can often be placed right next to the tank, are maintenance free, economical, and well suited for the application.