

# Commercial Fleet System (5,000 Gallon)

## FIREGUARD SPECS:

Capacity (Gallons)	5000
Length (inches)	219"
Width (inches)	100.5"
Height (inches)	126"
Weight Empty (lbs)	19,900

## FLAMESHIELD SPECS:

Capacity (Gallons)	5000
Length (inches)	243"
Width (inches)	96.5
Height (inches)	122"
Weight Empty (lbs)	14,000

## FUEL TANK FEATURES:

- (1) UL-142 Flameshield or UL-2085 Fireguard Tank Mounted on Saddles
- (2) 8" 8 Oz Emergency Vent Male w/O-ring
- (1) Monitoring Well w/ 2" Cap
- (1) 3" Stack Vent w/ 3" Updraft Vent
- (1) High Level Shut-off Valve with test mechanism & 3" Ground Level Fill (Vertical Check Valve, Ball Valve, Fill Pipe w/ Diffuser, Fill Adapter, & Dust Cap)
- (1) 2" 918 Clock Gauge w/ Alarm & Standard Float for Accurate Fuel Level Reading
- (1) Ladder w/Safety Shield
- (1) Total Control 682-15 Piston Meter with 10:1 Pulser



Envirosafe's Commercial Fleet fuel system is our trademark setup. It is great for larger commercial fleets in following industries: trucking, municipalities, buses, large farm equipment, ready-mix trucks, and any other large commercial fleets that need high quality, accuracy & performance.

The Commercial Fleet System comes with a lockable equipment box that's welded to the head of the tank. The lockable equipment box is for both dispensing and filling the tank. The lockable box comes standard with a R.O.M. roll-up door. Inside the box, the piping coming from the pump is connected to 2" ball valve and spin on fuel filter to the total controls piston meter with a 10:1 pulsar that's weights and measures approved. To the left of the meter is the on/off pump switch. It comes standard with a 25' hose, swivel, break-away, and automatic shut-off nozzle on a spring-loaded Hannay hose reel.

The standard pump installed on the Commercial Fleet system is a Franklin Fueling FE Petro ¾ hp Submersible Pump. The pump is piped down to and inside the lockable box using painted 2" schedule 40 pipes, Franklin Fueling 2" 636 anti-siphon valves, and 2" ball valve. This set-up gets approx. 22 gpm out of the nozzle. All piping fitting are Gruvlocks with T gasket for fuel.

The bottom of the lockable box is cross broken with a ball valve to drain the box and epoxy-lined for easy clean-up during filling or dispensing operations. The fill pipe has a 3" camlock with 3" ball valve and checks valve for ground-level filling. The drop tube inside the box has a diffuser to disperse the fuel across the bottom of the tank evenly. Also, the Commercial Fleet system comes standard with a Morrison Bros. overfill prevention valve set to shut-off filling operations at 95% capacity. To the right of the fill connection, you will find the Morrison Bros. 918 high-level alarm set to sound at 90% capacity. The Envirosafe Commercial Fleet comes with emergency vents installed and atmospheric stack vent shipped loose. Also comes with Morrison Bros. Clock Gauge for fuel levels and an interstitial leak gauge to monitor the interstice of the tank. A monitoring port to manually stick the tank. This system is one of our patented trademark systems that arrives turn-key ready to operate. Just hook-up power and fill it with fuel, and you're off and running!

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## FUEL TANK FEATURES:

- (1) UL Listed Lockable Dispensing Box Welded on Tank 3'6"x4'2"x6'6", Cross Broken for Easy Drainage, 2" Vent, 2" Mushroom Cap, & 1/2" Ball Valve
  - (1) 3/4 Hp. Pump Assy w/Anti-Syphon Valve & Ball Valve
  - (1) (Diesel Assembly) 1" Hose Reel with 25' X 1" Hose, Ball Stop, 1" Nozzle, Breakaway and Swivel
  - OR
  - (1) (Unleaded Assembly) 3/4" Hose Reel with 25' X 3/4" Hose, Ball Stop, 3/4" Nozzle, Breakaway and Swivel
  - (1) Electric Packages for Pumps and Switches
  - (1) Envirolastic 940 DTM Polyaspartic Urethane for High Performance Finish
  - (1) Tank Decal Kit
  - (1) Interstitial Leak Gauge
  - (1) ROM Door (Roll Up) 3'x6'
  - (1) 1.5" Filter Adapter and 1" Filter
  - (1) 18" Manway for easy inner tank accessibility
  - (1) UL Labeled & Listed (Per you local Fire Marshall)
- STEEL THICKNESS 1/4"  
SHELL & 5/16" HEADS
- (6) 1" Replacement Fuel Filters
  - (1) Touch-up Paint

# Maintenance

The tank operator should preform periodic walk-around inspections to identify and repair areas of damage to the vessel or the coating itself and check for proper drainage around the tank area. It is imperative that the tank exterior be inspected periodically to ensure that the integrity of the coating is maintained. The frequency of periodic repainting will be based upon environmental factors in the geographic area where the tank is located. Special consideration should be given to the selected of the paint, surface preparation and coating application. The coating selected should be suitable for use with the current coating, or the existing coating should ne removed. The coating selected should be of industrial quality Proper site preparation and maintenance are vital to ensure drainage of surface water. Should ground conditions change or settlement occur, take the appropriate steps to maintain proper drainage and prevent standing water near or under the tank area. For diked tanks, remove any product spills immediately. Be sure to dispose of hazardous material properly. For diked tanks fitted with a drain, drain off water only. Drain openings are required to be maintained liquid tight. The primary tank shall be inspected monthly for the presence of water at the lowest possible points inside the primary tank. Remove any water found. Water and sediment in fuel can cause plugging of filters. Also, bacterial growth, originating form the fuel can cause corrosion of tanks and lines. For procedures on how to check for the presence of water and removal of water, refer to the STI R111, Storage Tank Maintenance/For copies of the RP and more information, please go to [www.steeltank.com](http://www.steeltank.com). Failure to adhere with these maintenance instructions may void your warranty.

Tank relocation requirements - often aboveground storage tanks are relocated. The following instructions are to be followed when this occurs: All steps are to be documented and the documentation is to be kept for the life of the tank. The hazards associated with the cleaning, entry, inspection, testing, maintenance or other aspects of AST's are significant. Safety considerations and controls should be established prior to undertaking physical activities associated with ASTs . Cleaning of tanks must be per state and local jurisdiction requirements. Refer to the STI Standard SP001, "Standard for the Inspection of Aboveground Storage Tanks" for requirements concerning tank inspections. The SP001 Standard details requirements for inspections based on the tank installation and age. A tank must undergo the appropriate insurance prior to relocation. In addition, the tank must be subjected to a pressure (or vacuum) test.

## FIREGUARD FEATURES:

- ◆ UL 2080 Listed "Fire Resistant"
- ◆ UL 2085 Listed "Protected"
- ◆ Both Inner & Outer Steel Tanks built to UL Standards
- ◆ Uniform Fire Code UFC "Protected" Tank
- ◆ National Fire Protection (NFPA) 30 & 30A
- ◆ International Fire Code (IFC)
- ◆ Ballistics Protection
- ◆ Impact protection
- ◆ California Air Resources Board (CARB) for Air Emissions
- ◆ Steel Tank Institute (STI) Standard F941 for Thermally Insulated Aboveground Storage Tanks

## FLAMESHIELD FEATURES:

- ◆ Tested Two-Hour Fire Resistance
- ◆ Built to UL 142 Standards
- ◆ Tested by Southwest Research Institute to SwRI 97-04
- ◆ Double-Wall Tanks Have Fully Monitorable Interstitial Space for Leak detection