

# Turnkey Fuel Dispensing Systems

[www.fueldispensingsystems.com](http://www.fueldispensingsystems.com)



**Highland Tank**<sup>®</sup>

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# Fuel Dispensing Systems

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Fuel dispensing systems can be used for a wide range of operations. Highland Tank can recommend the best fuel dispensing systems based on your needs and available power source.

Highland Tank has 12 standard fuel dispensing systems that can be modified to meet specific site plans and layouts.

Turnkey units are designed for tanks 8' in diameter or less and include onboard electrical, onboard piping, and onboard valves in piping.

Fuel dispensing systems include:

- High-LINK technology
- Meter
- Dispenser
- Submersible turbine pump/rotary vane suction pumps
- 15' or 25' hose and reels
- Swivel, hose breakaway, automatic nozzle
- Tank fill options
  - Venting
  - Fuel filter
  - Drop pipe for fill

Always consult with the Authority Having Jurisdiction for specific installation requirements.



# Available Tank Types - Consult with AHJ

## UL-142 Tanks with Skids



Available in volumes ranging from 185 to 15,000 gallons

## Rectangular Fireguard® Tanks



Available in volumes ranging from 300 to 12,000 gallons

## UL-142 Tanks with Saddles



Available in volumes ranging from 185 to 60,000 gallons

## Cylindrical Fireguard® Tanks



Available in volumes ranging from 300 to 60,000 gallons

# Manage Fuel Inventory and Dispensing with High-LINK

High-LINK is a cloud-based monitoring and management software that provides in-depth views of day-to-day operations. It includes predictive maintenance tools, extensive alerting capabilities, and automated, customizable reporting features that help users keep an eye on daily operations from anywhere, at any time, on any compatible device.

High-LINK and FuelShield work hand-in-hand to monitor your fuel tanks in real time.

- FuelShield - Manage up to 8 dispenser hoses
- FuelShield-MINI - Manage up to 4 dispenser points
- FuelShield-PLUS - Includes LevelShield hardware and software to provide continuous tank level monitoring with all the capability of the FuelShield



FuelShield-Pedestal



FuelShield-MINI



Advantages:

- Save money and increase efficiency
- Analyze data in real time
- Verify physical delivery
- Preprogrammed customizable alerts
- Auto-generated customizable reports
- Monitor fuel transactions by vehicle, driver, fuel type, amount, cost, date, and time
- Manage fuel transport, receipt, dispensing, and consumption
- Multi-user interface is secure and convenient
- Audible and visual alarms for leak and overfill

## Manually Operated Hand Pumps

Highland Tank's hand pump systems are designed for smaller volume applications. Pump and nozzle are tank-mounted for convenient product dispensing on tanks up to 1,000-gallon, 48" diameter.

Can be used with gasoline, diesel, biodiesel up to B20, E-15 and kerosene.

### Standard Features:

- Pump, nozzle spout and 8' hose
- Telescoping pump suction pipe
- Atmospheric vent
- Emergency vent(s)
- Overfill prevention valve

### Options:

- 20' & 25' hoses and reels

- Pop-up Leak gauge
- At-a-Glance level gauge
- Spill bowl
- Padlock capable

- Breakaway and breakaway hoses

SE-17R - Rotary Pump



Delivers up to 1 gallon for every 10 revolutions. Heavy-duty cast aluminum with built-in check valve and strainer.

SE-17P - Piston Pump



Delivers up to 2 gallons for every 10 strokes. Heavy-duty cast aluminum fuel piston with stainless steel liner. May be set up for reverse flow.

For use with drums and barrels in low volume applications

Manual pump packages are engineered for small applications requiring from 185 to 1,000-gallons of fuel storage and for tanks 48" and shorter.

Small manual tank/pump system can easily be delivered completely assembled for integration and use.

Manual pumps are not compatible with the High-LINK® systems.

## Tier 1 - Fuel Dispensing Systems

- Storage under 4,000 gallons
  - 64" maximum height
- 12V or 120V power systems
- Tank-top pump/meter mount
- FuelShield and reel on tank head



# Tier 1 Small Packaged Pumping Systems

T-1 pump systems are designed for tank-top installation on tanks up to 64" in diameter or height and shorter for easy access.

These systems can ship fully assembled for convenient installation.

## Standard Features:

- 1" UHF auto nozzle for diesel or 3/4" for gasoline
- Breakaway and swivel
- 40 GPM spin-on filter
- Pump suction pipe
- Emergency vent(s)
- Leak gauge
- Swing-arm style level gauge
- Spill bowl
- Overfill prevention valve
- Atmospheric vent

## Options:

- 15' or 25' hoses with reels
- Remote fill
- High-LINK® FuelShield MINI Plus



Use the High-LINK FuelShield MINI Plus to measure, monitor, and manage your fuel system from any internet-enabled device.

HL-27



Rated at 20 GPM

- Fill-Rite FR4204G
- 12VDC Operating power
- 4-digit mechanical meter with pulse output

HL-37



Rated at 20 GPM

- Fill-Rite FR710VN
- 120VAC Operating power
- 4-digit mechanical meter with pulse output

HL-57



Rated at 20 GPM

- Fill-Rite FR310VN
- 120VAC or 240VAC Operating power
- 4-digit mechanical meter with pulse output

## Tier 2 Medium Packaged Pumping Systems

T-2 pump systems are designed for larger volume installations with meter and dispensing components mounted on the tank's head for convenience and accessibility. Configured for tanks 64" in diameter or height and taller, these systems allow for increased storage capacity. T-2 systems include these components as part of the complete package:

### Standard Features:

- 1" UHF auto nozzle for diesel or 3/4" for gasoline
- Breakaway and swivel
- 40 GPM filter
- Emergency vent(s)
- Leak gauge
- Clock-style level gauge
- Overfill prevention valve
- Atmospheric vent
- Remote Fill

### Options:

- 15' & 25' hoses and reels
- Canopy
- Canopy light with photocell
- Electronic leak and overfill alarms
- High-LINK FuelShield MINI Plus



Use the High-LINK FuelShield MINI Plus to measure, monitor, and manage your fuel system from any internet-enabled device.

HL-47



Rated up to 20 GPM

- Fill-Rite FR713V
- 120VAC Operating power
- 4-Digit digital meter cabinet with pulse output

HL-67



Rated up to 35 GPM

- Fill-Rite FR313V
- 120VAC or 240VAC Operating power
- 4-Digit digital meter with pulse output

HL-87



Rated up to 40 GPM

- Red Jacket 3/4 HP submersible pump and controls
- 230VAC Operating power
- 4-Digit digital meter cabinet with pulse output



## Tier 3 - Fuel Dispensing Systems

- Storage from 4,000-20,000 gallons  
- 64" diameter/height and larger
- 240V power systems
- Submersible pump & dispenser or pump in dispenser combination
- Skid-mounted systems
- FuelShield Plus



## Tier 3 Large Packaged Pumping & Skid-mounted Systems

T-3 pump systems are designed for large volume installations. These systems feature a tank-mounted submersible pump or a dispenser-mounted suction pump.

These packages have been paired with tanks from 4,000 to 20,000-gallons for maximum storage and delivery capability.

When configured on 8' diameter tanks and smaller, they can be delivered fully assembled for quick and easy integration into your operation.

### Standard Features:

- 1" UHF auto nozzle for diesel or 3/4" for gasoline
- Breakaway and swivel
- 40 GPM filter
- Emergency vent(s)
- Leak gauge
- Clock-style level gauge
- Overfill prevention valve
- Atmospheric vent
- Remote Fill

### Options:

- 15' & 25' hoses and hose reels
- Electronic leak and overfill alarms
- Pump platform and canopy 8' diameter tanks and larger
- Canopy light with photocell
- High-LINK FuelShield Plus



Use the High-LINK FuelShield Plus to measure, monitor, and manage your fuel system from any internet-enabled device.

SK-97



Rated up to 23 GPM

- Red Jacket 3/4 HP submersible pump and controls
- 230VAC Operating power
- Wayne digital dispenser with pulse output and filter
- Single hose, single product dispenser

SK-107



Rated up to 23 GPM - Diesel Only

- Wayne digital dispenser with suction pump, pulse output and filter
- 230VAC Operating power
- Single hose, single product dispenser

SK-117



Rated up to 23 GPM

- Wayne digital dispenser with suction pump, pulse output and filter
- 230VAC Operating power
- Dual hose, single product dispenser

## Tier 3 Large Packaged Pumping & Skid-mounted Systems

T-3 pump systems are designed for large volume installations. These systems feature a tank-mounted submersible pump or a dispenser-mounted suction pump.

These packages have been paired with tanks from 4,000 to 20,000-gallons for maximum storage and delivery capability.

When configured on 8' diameter tanks and smaller, they can be delivered fully assembled for quick and easy integration into your operation.

### Standard Features:

- 1" UHF auto nozzle for diesel or 3/4" for gasoline
- Breakaway and swivel
- 40 GPM filter
- Emergency vent(s)
- Leak gauge
- Clock-style level gauge
- Overfill prevention valve
- Atmospheric vent
- Remote Fill

### Options:

- 15' & 25' hoses and hose reels
- Electronic leak and overfill alarms
- Pump platform and canopy
- 8' diameter tanks and larger
- Canopy light with photocell
- High-LINK FuelShield Plus

SK-127



Includes (1) 1.5" high-flow automatic nozzle and 1.5" hanging hardware to maximize fuel flow rates

Rated up to 50 GPM - Diesel Only

- Red Jacket 3/4 HP submersible pump and controls
- 230VAC Operating power
- Wayne digital dispenser with pulse output and filter
- High flow, single hose, single product dispenser

SK-137



Rated up to 50 GPM - Diesel Only

- Red Jacket 2 HP submersible pump and controls
- Wayne digital dispenser with suction pump, pulse output and filter
- 230VAC Operating power
- High flow, single hose, single product dispenser



Use the High-LINK FuelShield Plus to measure, monitor, and manage your fuel system from any internet-enabled device.

## Fuel dispensing customized for every site



Highland Tank's turnkey fuel dispensing systems are optimized for proper filling, venting, and dispensing of fuel from a variety of tank options. Designed with multiple power options, tank size, and product storage compatibility, our fuel dispensing solutions are easily customized to suit a wide variety of fueling needs.

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814.893.5701

**Manheim, PA**

4535 Elizabethtown Road / Manheim, PA 17545-9410  
717.664.0600

**Watervliet, NY**

958 19th Street / Watervliet, NY 12189-1752  
518.273.0801

**Greensboro, NC**

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336.218.0801

**Friedens, PA**

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**Highland Tank<sup>®</sup>**