

Portalogic Fill Stations

PRODUCT MODEL OVERVIEW



INTEGRATED
SOFTWARE

Product Overview



Portalogic products provide facility administrators the means to dispense and sell bulk water responsibly. Since 2000, facilities have trusted us to build stations that meet their unique needs.

Portalogic Fill Station Models and integrated software offer a simple, streamlined solution for bulk water filling and operations management. FS Models are customizable and can be designed to interface with your existing infrastructure. They combine the security of a steel panel enclosure with the technology of integrated equipment and software to increase accountability between haulers and stations.

Portalogic fill stations prevent the threat of water contamination, misuse of fire hydrants, and allow the convenience of 24/7 accessibility. Built-in features allow user access, simplified payment, and accurate metering. EleMech's goal is to assist you in identifying the FS best suited to your needs, enabling you to improve operations, reduce costs, and increase benefits to customers.



Product Features



Secure Hauler Access

A facility assigned access code and PIN permits haulers in good standing to use the station.



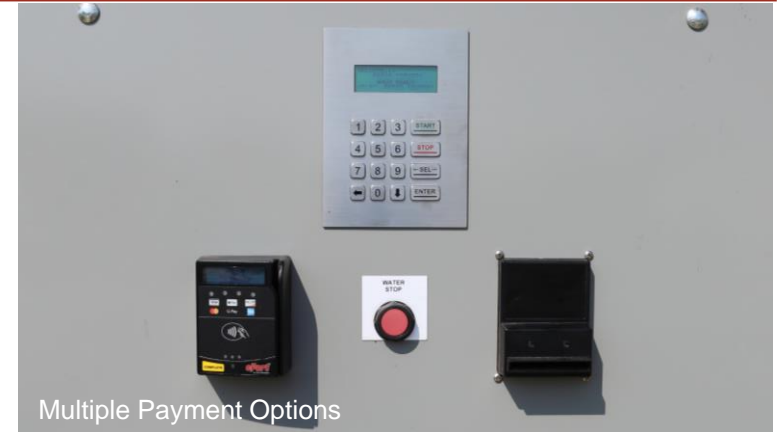
Durable & Tamper-Proof

HD metal plate enclosure with lockable doors secure the equipment.



Simple to Use

Guided step-by-step instruction allow users to a dispense water without supervision.



Automated Records

Date/time, customer, volume, cost and more are instantly recorded to server and sent to user email after each transaction.



Temperature Controlled

Climate controlled options available. Portalogic stations function reliably in extreme conditions.



Integration

Stations can be customizable to integrate with existing equipment such as flow meters and valves.



Fill Point Options

Multiple fill point options are available and can be selected to direct water flow to the connected outlet.



Payment & Access Options

Use Portapay portal to add funds automatically. Many options available to make selling water effortless and profitable.



Portalogic Management Software

View graphs of station revenue and totals in real-time from smart phone or office. Features make user and station management a breeze.



Station Operation: 3 Simple Steps To Get Water



[Click to play instructional video](#)

STEP 1

Use Keypad to Enter access code and PIN

STEP 2

Select AUTO or MANUAL fill mode

STEP 3

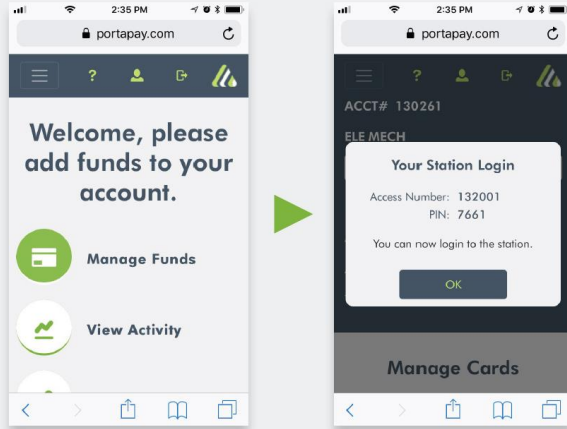
Press STOP to manually end transaction. If AUTO mode, flow will stop and transaction ends automatically.

Notes:

- All registered users are assigned Access Codes and PINs
- Receipt of transaction is automatically recorded and emailed to user.
- Payment is completed automatically using online account.

Additional payment methods are available.

Portapay: 3 Simple Steps for Online Payments



STEP 1

Log-in using existing access code and PIN

STEP 2

Upload funds to account via credit/debit card

STEP 3

Funds will be automatically applied to next transaction

- ✓ **Simple, web-based platform**
- ✓ **Customers can self-manage funds via their personal device**
- ✓ **Instant fund transfer allows for 24/7 unattended station access**
- ✓ **Transactions are encrypted and secure**

* Portapay service is included with Portalogic! Simply activate Portapay from your Portalogic software and send invites to your haulers.

** Additional payment methods (credit/debit cards, bills, and coins) can be added upon request



Portalogic Fill Stations

FS-10



Our smallest model, the FS-10 is a basic controller for retrofitting a station with a pre-existing enclosure. The station is constructed with painted steel, is outdoor rated, and resembles a surface mounted plate which can be installed to any external wall.

FS-20



The FS-20 is ideal for locations that want a smart controller equipped with a stainless steel enclosure to retrofit their preexisting system of backflow preventer(s) and valves. The external enclosure includes a lockable door for added security and weather resistance.

FS-22



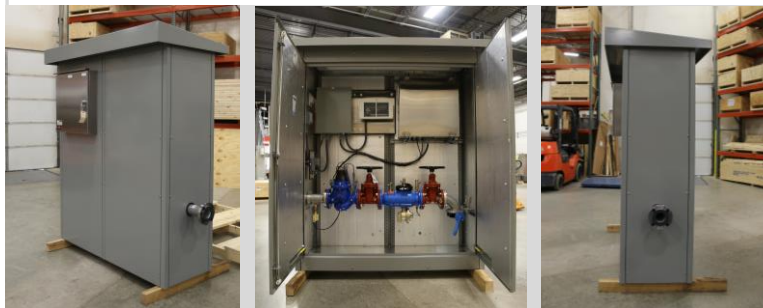
The FS-22 is ideal for reuse water and for locations that require a metered valve but not necessarily a backflow preventer. The FS-22 is freestanding and consists of the FS-20 model and a stainless steel enclosure to house additional valves.

FS-43



The FS-43 is a secure, over-hydrant enclosure and contains a backflow preventer, metered valve, and automatic drainage. This model is compatible with 2"-3" water supply pipes and a solar panel can be attached directly to the roof of the painted steel enclosure.

FS-63



The FS-63 has all the features of the FS-43, including the ability to include multiple fill outlets and an attached solar panel, but is built with a larger painted steel enclosure to house additional piping such as strainers and pressure reducing valves.

FS-72



The FS-72 has all the features of the FS-43 and 63 models and additionally allows for greater customization for fill outlets (ie a bottom and overhead fill) for hauler trucks. It is compatible with up to 4" water supply pipes.

Water Fill Station Models






STATION REQUIREMENTS	FS-10	FS-20	FS-22	FS-43	FS-63	FS-72
Base Price	RFQ	RFQ	RFQ	RFQ	RFQ	RFQ
Enclosure Size	15.75" L, 19.5" H	24" L, 14" W, 24" H	24" L, 24" W, 68" H	48" L, 36" W, 75" H	66" L, 36" W, 75" H	82" L, 51.5" W, 67.5" H
Enclosure Style	Wall Mounted	Wall Mounted	Freestanding	Freestanding, Walk-in	Freestanding, Walk-in	Freestanding, Walk-in
Steel Type	Painted Steel	Stainless 304SS included (316SS optional)	Stainless 304SS included (316SS optional)	Painted Galvanized Steel (316SS optional)	Painted Galvanized Steel (316SS optional)	Painted Galvanized Steel (Stainless 304SS or 316SS optional)
Retrofitting Existing System	✓	✓				
Over-hydrant Connection				✓	✓	✓
Water Outlet Size			2" – 4"	2"	2" – 3"	2 – 4"
Backflow Prevention				✓	✓	✓
Automatic Drainage				✓	✓	✓
Portalogic Management Software		✓	✓	✓	✓	✓
Portapay Online Payments		✓	✓	✓	✓	✓
OPTIONS*	✓	✓	✓	✓	✓	✓
Solar Powered	Stations can be powered by solar energy for remote installations					
Cold Climate Package	Heaters, insulation, and heat tracing can be added to protect the station in cold climates					
Hot Climate Package	Air conditioners and sunshields can be added to protect the station in hot climates					
Cellular Modem	Configurable with cellular connection					
Cloud Hosting	Cloud hosting options also available					
Receipt Printer	Durable non-jamming paper receipt dispenser for haulers					
Alternative Payment Options	Configurable to accept credit/debit cards, bills, and coins					
Multiple Fill Points	All models configurable with multiple fill points					
Additional Piping	Addition of strainers and/or pressure reducing valves (available for the FS-63 and 72 models only)					

*All optionality can be included for an additional cost

Why Incorporate a Management Software?

Portalogic Software Streamlines Your Current Processes



	CURRENT PROCESS	PROCESS USING SOFTWARE
 <p>WATER METERING</p>	<p>Manually recorded transaction details 'honor system' and frequent gallon cheating. A difference in what is recorded versus actual distribution can mean tens of thousands of dollars per month in lost revenue.</p>	<p>Accurate metering of volume output and capture of customer data for every transaction. Automatic storage of data that can be accessed remotely in real time via your smartphone, tablet, or computer.</p>
 <p>RECORD KEEPING & INVOICING</p>	<p>Transactions manually transcribed, tracked, and invoiced; Invoices processed manually with no detailed history of records.</p>	<p>Completely automated process from hauler station access to receipt of funds with the ability to efficiently invoice customers and reference past records.</p>
 <p>MAINTENANCE & OPERATIONAL OVERSIGHT</p>	<p>Manual maintenance of multiple stations, providing in-person support and troubleshooting for users.</p>	<p>Remote control and monitoring of stations in real time:</p> <ul style="list-style-type: none"> • 24/7 remote user access • Allow authorized haulers into your facility or deny access as needed • Receive notifications and respond remotely

*Portalogic software is included with every Fill Station. There are no software licensing costs or hidden fees– software can support an unlimited number of transactions and user accounts. Any future updates made to software are complimentary, and software support is included for 2yrs after FS purchase.



Proven Return on Investment as Told By Our Customers:

Customer Feedback



Accurate **WATER METERING** can mean thousands of dollars in reclaimed revenue. Portalogic helped one client reclaim thousands of \$ in revenue per month:

“40,000 gallons were manually recorded by haulers on a station clipboard; Actual total usage for that month was 1.8 million gallons.”



Automated **RECORD KEEPING & INVOICING** means less time spent managing customer transactions.

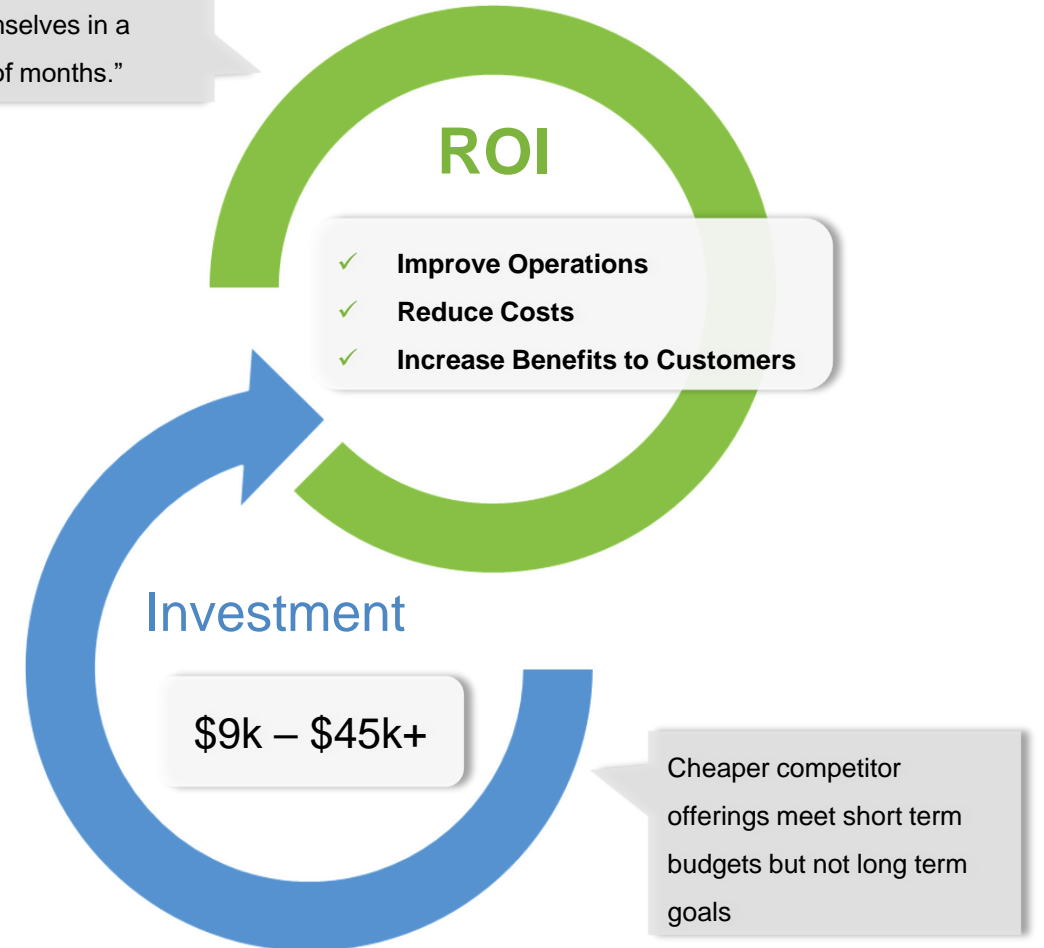
“By using Portapay, 20-40% of customers will switch to online payments, reducing our staff’s effort to manually collect and exchange \$18,750 in quarters (937lbs!) every month.”



MAINTENANCE & OPERATIONAL OVERSIGHT is enabled via remote monitoring and real-time response;

“Billing and collections went uninterrupted during COVID due to our self managing system, even with buildings and offices closed.”

“Portalogic stations pay for themselves in a matter of months.”



⚡ Are there any additional licensing costs or fees?

- We try to keep things simple – by purchasing any FS you receive: the station, software, one year parts warranty, and two years support (for both the station and software). There are no additional licensing costs or fees for Portalogic software.

⚡ How does the software work and what do we need to set it up?

- If you are interested in previewing our software, we can host a demo for you and your team free of charge.
- Software installation and a remote training session is included with every purchase. Trainings which require travelling to the customer site will be billed at cost.
- An internet connection (hard wired or via a cellular modem) is highly recommended at the physical FS site. Additional operating system and network requirements can be provided upon request. See page 11 for more details.

⚡ How do I set up user accounts?

- Our support team will assist you with migrating your existing customers to the new system. Training will also be provided so that software admin can easily create new user accounts.

⚡ How do I use the software to charge clients and complete sales?

- When using a payment terminal directly at the FS site (credit/debit/coin) - payment will be processed automatically
- When only entering access code and PIN into station - transaction details are captured via software in real time. Station admin can then utilize the 'customer statements' functionality to generate a complete invoice to assist in billing customers.
- When using 'Portapay' functionality - customers preload funds to their account. Funds are automatically applied at the time of the transaction.

⚡ What is the difference between 'Cloud Hosting' and local software installation?






- We recommend the Cloud Hosting option for software installation as it streamlines future support efforts and enables our team to more quickly address IT issues. Cloud Hosting is an additional cost of \$1600/year. Software must be cloud hosted if adding the cellular modem option for internet connectivity. Local software installation is included, but will require us to work with your site's IT team in order to gain access to the system.

⚡ My site has specific requirements not included in your standard models, can FS models be customized?

- All FS models are customizable and can be built to facilitate multiple payment options, function under extreme temperatures, and be configured to fit infrastructure needs (fill point location, size, type, etc).



Setting up your Internet Connection – Recommended Options

Cloud Hosted Software		Cost
	Hard-wired internet connection to FS	\$1600/yr + Install by Owner
	Cellular Modem in FS	\$750 to supply Cellular Modem; Sim Card & monthly data cost covered by Owner; \$1600/yr for Cloud.
Locally Hosted Software		Cost
	Hard-wired connection from Local PC to FS	Install by Owner
	Wifi antennas from Local PC to FS	Antennas + Install by Owner
	Hard wired internet at FS site w/ VPN tunnel to Local PC	Install by Owner

FS-20 Installation Examples



FS-20 - Faribault, MN

- Keypad and RFID user access
- RFID cards provided
- Credit/Debit Card Reader
- Receipt Printer
- 2" Bottom/Side Fill Point



FS-20 - Austin, MN

- Account Number & PIN user access
- 2" Overhead Fill Arm



FS-20 - Valparaiso, IN

- Account Number & PIN user access
- Credit/Debit Card Reader
- Bill Acceptor
- Portapay Online Payments
- 2" Bottom/Side Fill Point

FS-22 Installation Examples



FS-22 - Dripping Springs, TX

- Account Number & PIN user access
- Receipt Printer
- 3" Flanged Connection



FS-22 - Gail, TX

- Account Number & PIN user access
- 2" Overhead Fill Arm
- Automatic Drain



FS-22 - Port Orchard, WA

- Account Number & PIN user access
- 3" Side Outlet
- 304 Stainless Steel Sunshield



FS-43 – Midland County, MI

- Painted Galvanized Steel
- Account Number & PIN user access
- 2" Bottom/Side Fill Point
- Portapay Online Payments
- Cold Climate Package



FS-43 – Marshfield, WI

- Painted Galvanized Steel
- Account Number & PIN user access
- Credit/Debit Card Reader
- 2" Bottom/Side Fill Point
- Cold Climate Package

FS-63 Installation Examples



FS-63 - Little Rock Creek, CA

- Account Number & PIN user access
- 304 Stainless Steel
- Drain Solenoid
- 3" Side Fill Line
- Wifi Communication Antennas



FS-63 - Wauwatosa, WI

- Account Number & PIN user access
- 316 Stainless Steel
- Cold Climate Package – Enclosed Heater, Thermostat
- Low temperature alarm and email indication
- Interior and exterior LED lights
- 3" Side Fill Line



FS-63 in Newtown, PA

- Account Number & PIN user access
- Credit Card Reader
- Cold Climate Package – Enclosed Heater, Thermostat, Fan
- 3" Side Fill Line
- Cellular Modem

FS-72 Installation Examples



FS-72Thin - Liberty Hill, TX

- Account Number & PIN user access
- Credit/Debit Card Reader
- 3" Piping with Side and Top Filling with 2.5" Reducers
- Warm Climate Package – Ventilation



FS-72 in Napa, CA

- Account Number & PIN user access
- (2) Solenoid actuated valves for dual outlets
- 3" and 4" Side Fill Line
- Cellular Modem, Cloud Hosted
- Enclosure Mounted Solar Panels



FS-72 - North Liberty, IN

- Account Number & PIN user access
- Credit/Debit Card Reader
- Cold Climate Package – Enclosed Heater, Insulation, Drain Solenoid
- 3" Side Fill Line
- Wifi Communication Antennas

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