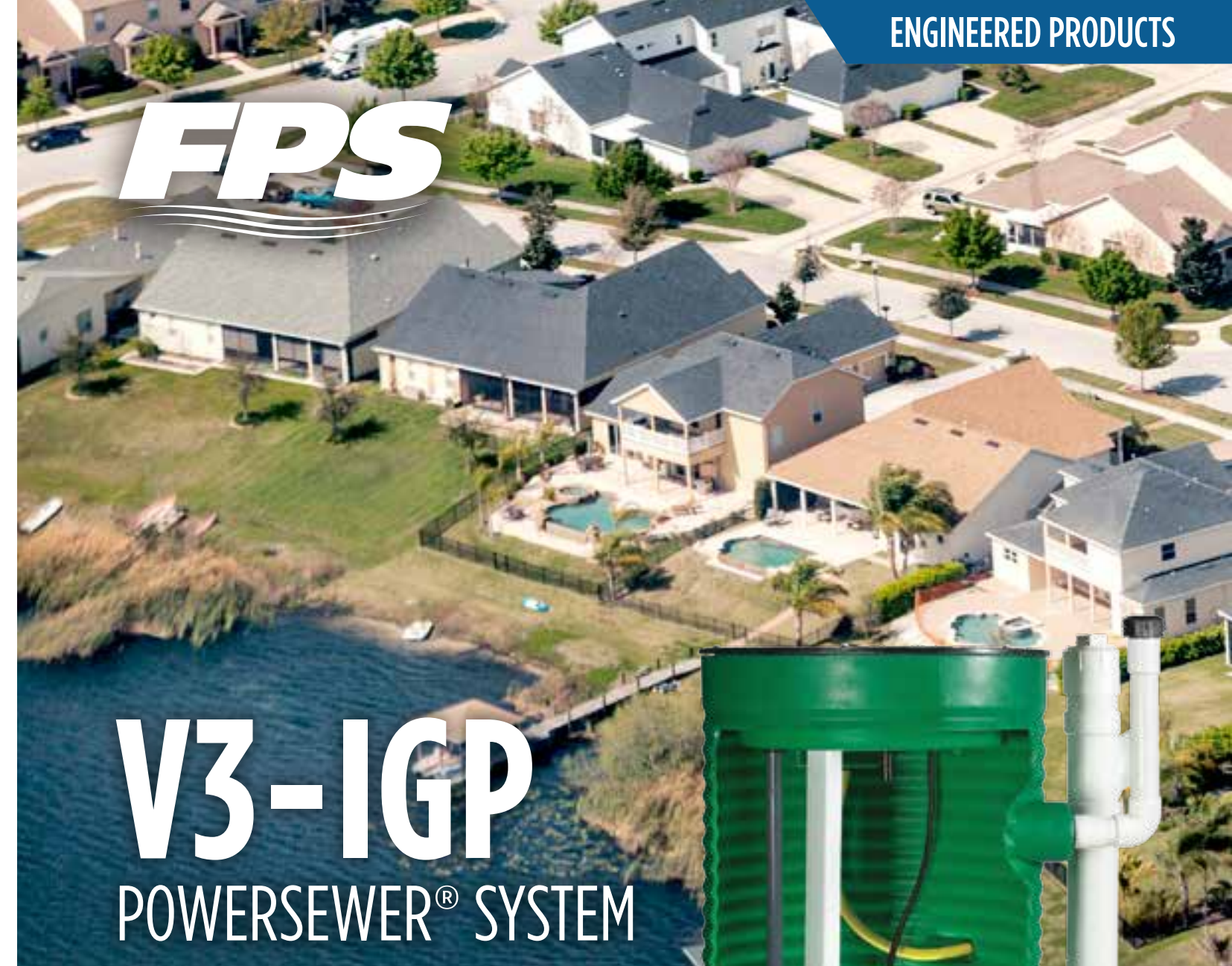




LPS SYSTEM DESIGN

Send us the topo and plat map for your next project and let our Engineered Products design specialists do the work. We'll custom design a reliable, cost-saving system for your individual needs.

Phone: 866-271-2859 or fax: 866-271-2709



FPS

V3-IGP POWERSEWER® SYSTEM

The PowerSewer centrifugal pump represents a new direction in grinder pump technology, combining unmatched grinding capability with terrific pumping power. It offers a shut-off head of 132 feet with a maximum flow of 35 gpm. With this kind of pumping performance, the PowerSewer minimizes or eliminates the need for costly lift stations.



franklinwater.com

996758 04-15

franklinengineered.com



EXPERIENCE FRANKLIN ENGINEERED PRODUCTS

BACKED BY OUR REPUTATION FOR UNMATCHED QUALITY – FRANKLIN ELECTRIC'S KNOWLEDGABLE ENGINEERED PRODUCTS TEAM WILL PROVIDE YOU WITH THE BEST PRODUCTS AND SERVICE IN THE INDUSTRY.

Since its inception in 1944, Franklin Electric has grown into a global leader in the production of systems and components for the movement of water and automotive fuels. Recognized as a technical leader in its products and services, Franklin serves customers around the world in residential, commercial, agricultural, industrial, municipal, and fueling applications.

LOW PRESSURE. LOWER COST.

The FPS Engineered Products V3-IGP PowerSewer is a low-pressure sewer system that pumps residential wastewater through small-diameter piping to a collection, or treatment area. A proven alternative to gravity sewer systems and septic tanks, low-pressure systems have been successfully used in the hundreds of thousands all over the U.S. since the mid-1960s.

Unlike traditional treatment systems, the PowerSewer system may be installed almost anywhere a home can be built, regardless of topography or soil. Low-pressure systems can eliminate expensive lift stations and the deep trenching of gravity systems; nor do they utilize costly on-site drainage fields. Consequently, the FPS PowerSewer is far more affordable for low-density housing and homes sited on difficult terrain.

SAFER AND CLEANER.

With its sealed, small-diameter piping, the PowerSewer provides a watertight collection system that effectively eliminates leaks and water intrusion. This makes it a safer, cleaner, and healthier choice for individuals and their community.

Gravity collection systems use large-diameter pipes that are difficult to seal and often leak during rainstorms. These leaks, commonly referred to as I and I (inflow and infiltration), can cause sanitary sewer overflows which release raw sewage into the environment. In addition, thousands of failed septic system drain fields are currently contaminating local water supplies, posing similar quality-of-life issues.

POWERSEWER ADVANTAGES

UNMATCHED GRINDING CAPABILITY.

The PowerSewer centrifugal pump represents a new direction in grinder pump technology, combining unmatched grinding capability with terrific pumping power. It offers a shut-off head of 132 feet with a maximum flow of 35 gpm. With this kind of pumping performance, the PowerSewer minimizes or eliminates the need for costly lift stations.

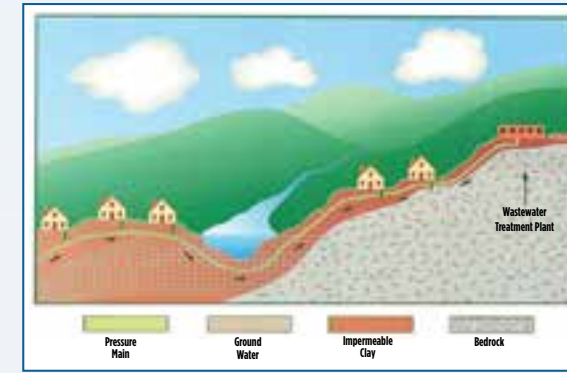
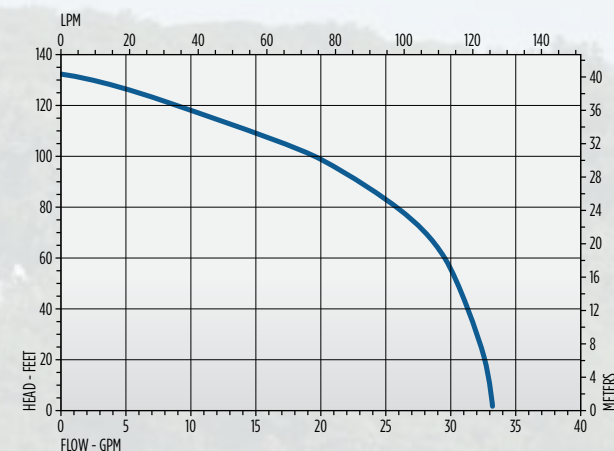
A redesigned grinder pump assembly includes a grinder pump connected to a plumbing tree consisting of a hydraulic sealing flange, a self-cleaning check valve, and an anti-siphon valve.

The compact pump weighs only 75 pounds for easier installation. Built-in thermal overload protection prevents motor damage, while self-regulating performance absorbs peak flow conditions.

The 2 hp submersible grinder pump has a heavy-duty, capacitor-start, capacitor-run motor with upper and lower single row ball bearings, and a short shaft design to minimize shaft deflection, improve grinding, and help maintain the sharpness of the cutters.

SITE ADJUSTABLE

Six different basin heights give contractors the ability to adjust the PowerSewer to the site where it will be installed by choosing among the following depths: 54", 72", 84", 96", 108", 120"



Above: The PowerSewer's unique design allows pumping both uphill and down, reducing or eliminating the need for costly lift stations. It can work beautifully as the sole means of sewage collection in rocky soil and dense clay, as well as high groundwater conditions.

HOMEOWNER FRIENDLY

Designed specifically for residential use, the PowerSewer offers a unique blend of performance, aesthetics, safety, and ease of use. A low-profile fiberglass cover protects access to the collection tank. The PowerSewer can be installed directly in the lawn, and the system's control panel is a small, attractive wall-mounted or pedestal-mounted enclosure. Best of all, when combined with modular treatment, a system of PowerSewer pumps can provide a community with an inexpensive central sewer system that increases property values.

EASY TO INSTALL

FPS PowerSewer is shipped from the factory complete, eliminating costly guesswork during installation. The product is very easy to install and has been designed to significantly reduce installation time.

THE POWERSEWER BENEFITS EVERYONE

THE ENGINEER

- Provides an affordable sewer solution
- Predictable performance in all types of terrain
- Eliminates problems caused by infiltration and inflow

THE DEVELOPER

- Lower infrastructure costs
- Property values increased by centralized sewers
- Ability to develop previously unsellable lots
- Increase housing density per acre

THE CONTRACTOR

- Less installation guesswork
- Safer site conditions with shallow, narrow trenches
- Complete system

THE COMMUNITY

- Provides central sewer to residents
- An excellent wastewater solution for small- to medium-sized communities everywhere
- Environmentally safe for rivers and lakes

THE HOMEOWNER

- Low maintenance costs
- Minimal annual electrical costs
- No modifications to household plumbing required
- Less disruptive to existing landscaping and roads
- No on-site drainage field

WHAT SETS THE POWERSEWER APART



Shallow Dry Well.

Integrally-molded dry well houses the electrical junction box and isolation valve handle. Sealed vacuum-formed lid prevents exposure to sewage and odors.



RTM Fiberglass Cover.

Fully gasketed cover creates a dual seal against inflow and infiltration. An optional, lockable internal tether prevents unauthorized access.



Drop Inlet.

Allows for easy up-and-down and side-to-side pipe adjustments. The drop inlet feeds solids right to the grinding plane.



Anti-Shear Discharge.

Integrally-molded reverse boss protects the discharge service line from the shear forces generated by backfill and tank settlement.



Flex Connector.

Four-foot flexible polyethylene pipe compensates for misalignment between tank and service line while it protects the connection against frost heave and tank settlement. Fitted with swaged-on PVC couplings to provide a solvent-welded transition to PVC pipe, valves, or fittings.



Roto-Molded Tank.

The large capacity HPDE polyethylene tank provides reserve capacity during power outages. Plus the one-piece tank does not require the contractor to cut holes in it.



Anti-Siphon Check Valve.

Provides both check- and anti-siphon capabilities. Eliminates clogged pumps resulting from pumping downhill.



Pressure Bell/Control Box (V3P-IGP).

NEMA 4X polycarbonate box provides pump and alarm power circuit breakers, manual pump run, and audible/visual alarms. Also now holds capacitors, facilitating change-out in minutes that saves on maintenance costs.



Float Switch/Control Box (V3F-IGP).

Suitable for wall and pedestal mounting, the control box provides pump and alarm power circuit breakers, manual pump run, and audible/visual alarms. Three control floats (pump on, pump off, and high alarm) mount on a float pole that allows for adjustable settings. Box is a NEMA 4X-rated enclosure of polycarbonate.



Patented Grinder Pump.

Heavy-duty, 2 hp centrifugal grinder pump is non-overloading and fully functional from zero to 118 feet of head pressure.