



Franklin Electric

# VORTEX SERIES™

RECESSED IMPELLER PUMPS



[pioneerpump.com](http://pioneerpump.com)



# *YOUR PARTNER FOR* **WATER SYSTEMS**



## **ABOUT FRANKLIN ELECTRIC**

Franklin Electric is a global provider of complete systems for the movement of water.



## **ABOUT PIONEER PUMP**

Pioneer Pump, a brand of Franklin Electric, specializes in the engineering and manufacturing of large centrifugal pumps and packages.



## **HIGH PERFORMANCE PUMPS**

Transport water and wastewater for any sized job with our proven portfolio of centrifugal pumps.



## **VORTEX SERIES**

Pioneer Pump® Vortex Series™ Pumps eliminate costly and disruptive downtime by passing the most challenging solids using a recessed impeller, making them ideal for applications where fluid conditioning, macerating or mix-prevention are unnecessary.

Pioneer Pump's exclusive Vortex technology is engineered to save users time by eliminating internal parts, like wear plates and chopper blades, that would otherwise have to be monitored, adjusted and replaced.







## DESIGNED FOR THE TOUGHEST APPLICATIONS

### 1 VORTEX IMPELLER

- Recessed impeller passes challenging solids by avoiding direct contact
- No wear plates, wear rings or cutting blades

### 2 DISCHARGE CHECK VALVE

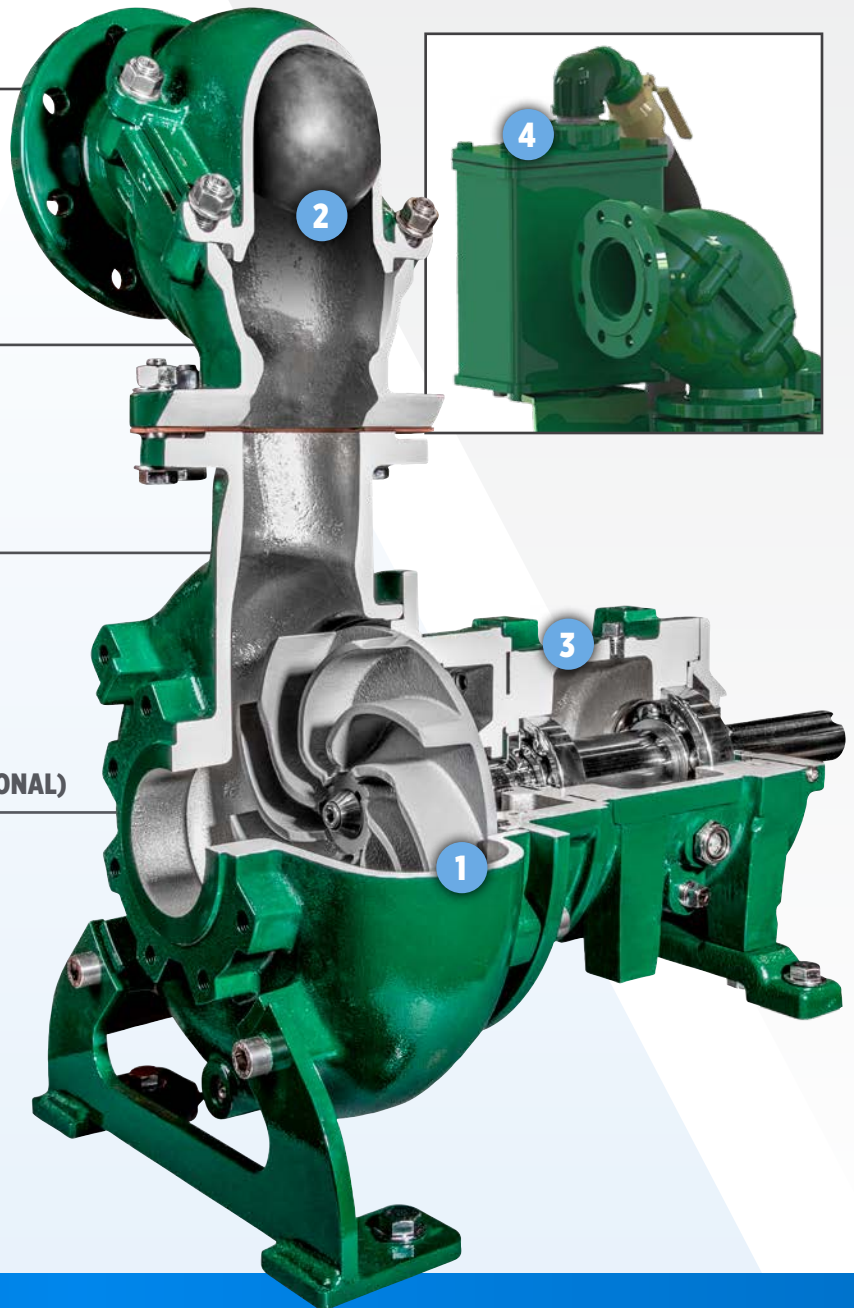
- Elbow-style ball check valve allows any solids that pass through the pump to pass through the pipe

### 3 BEARING FRAME

- Oversized shaft provides longer service life
- SAE and bare-shaft drive-end configurations available

### 4 PIONEER PRIME PRIMING SYSTEM (OPTIONAL)

- Heavy duty, vacuum-assisted capable of 50 CFM
- Unattended re-prime and operation in suction lift applications



# RECESSED IMPELLER SOLIDS HANDLING CAPABILITIES

The Vortex Series offers improved solids handling capabilities over chopper pumps and macerating systems by passing through the most punishing solids up to 5.12 inches, including:



## LARGE & ABRASIVE SOLIDS:

- Rocks
- Chunks of wood
- Animal byproducts



## STRINGY SOLIDS:

- Rope
- Bed sheets
- Other fibrous solids



## CONSUMER WASTE SOLIDS:

- Wipes
- Diapers
- Feminine hygiene products



# IMPROVE YOUR TOTAL COST OF OWNERSHIP

Using a recessed impeller with fewer internal parts to maintain, the Vortex Series passes through punishing solids to diminish clogs and lower the total cost of ownership compared to chopper and macerating systems. That means more uptime, less financial risk and maximized value.

COST DRIVER	TRASH PUMP	CHOPPER PUMP	VORTEX SERIES	HOW VORTEX SERIES ENHANCES YOUR PUMPING SYSTEM
DOWNTIME	★	★★	★★★	Solids pass through without contact
PARTS & MAINTENANCE	★★	★	★★★	Fewer wear parts that rarely need replacement
EFFICIENCY	★★	★★★	★★	<p>GOOD: ★    BETTER: ★★</p> <p>BEST: ★★★</p>

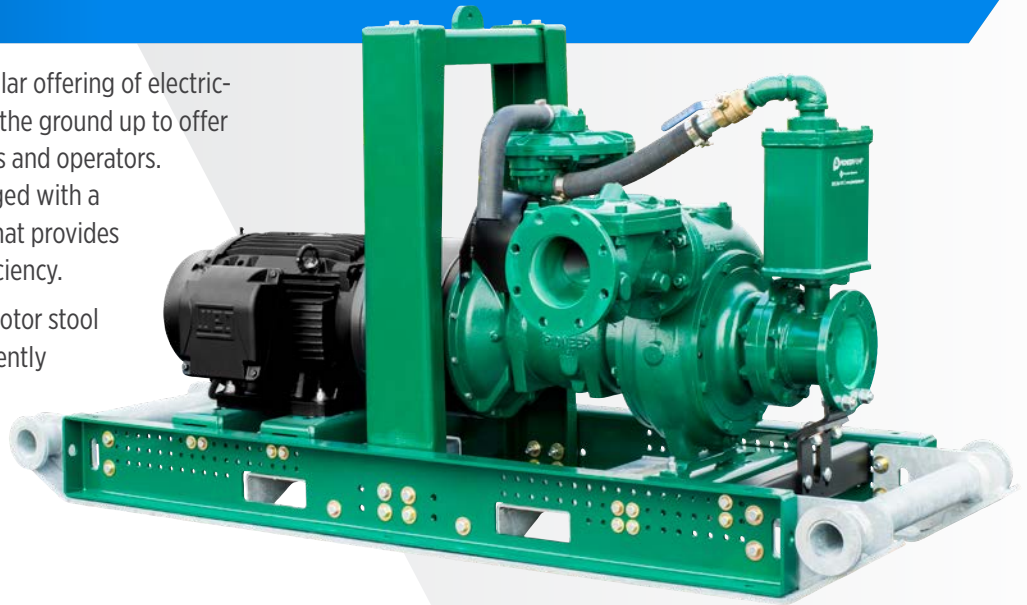


## ELECTRICPAK™

The Pioneer Pump ElectricPAK is a modular offering of electric-driven pump packages engineered from the ground up to offer a fully streamlined experience for owners and operators.

Each configured assembly can be packaged with a Vortex Series pump and electric motor that provides better flow, higher head and greater efficiency.

The robust design also features a rigid motor stool that keeps the pump and motor permanently aligned, saving countless hours of alignment work and service time.



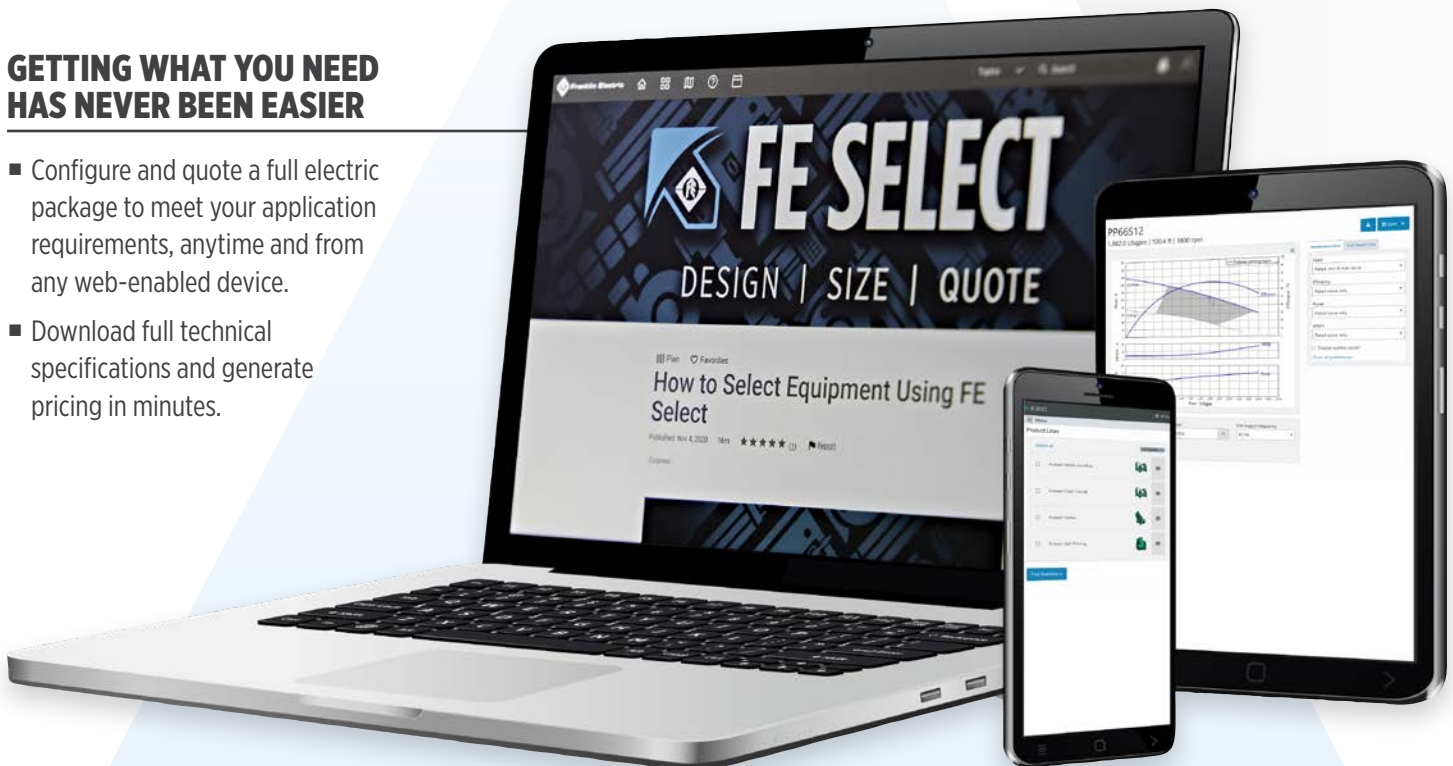
## STREAMLINED EXPERIENCE FROM SELECTION TO STARTUP

**With 24/7 online and mobile-friendly availability, FE Select instantly helps you formalize your deliverables with printable and downloadable quotes: no waiting for a callback.**

Franklin Electric's online specification tool, FE Select, allows users to configure and quote a full ElectricPAK or Vortex Series pump end that meets their needs, anytime and from any web-enabled device. It's secure and free-to-use: input your performance requirements and FE Select will help you find the best product solution to fit your application requirements.

## GETTING WHAT YOU NEED HAS NEVER BEEN EASIER

- Configure and quote a full electric package to meet your application requirements, anytime and from any web-enabled device.
- Download full technical specifications and generate pricing in minutes.



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*Franklin Electric is a global leader in the manufacturing and distribution of products and systems focused on the movement and management of water. We offer pumps, motors, drives, and controls for use in a wide variety of agricultural, commercial, industrial, municipal, and residential applications.*

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