



SURFACE PUMPS

PERFORMANCE & SOLUTIONS

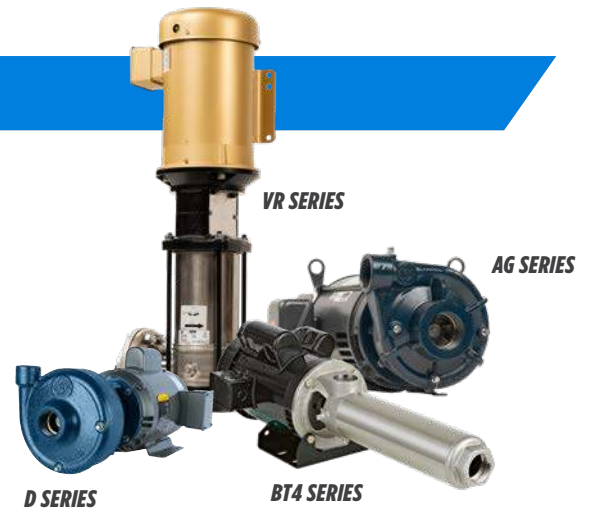


franklinwater.com



SURFACE PUMPS

Franklin Electric offers a range of surface pumps and systems designed to meet application needs across a variety of industries. Our extensive range of centrifugal, jet, self-priming and transfer pumps are engineered for performance, with streamlined options for availability, sizing and customized configuration support. Elevate your jobs with our pressure boosting systems designed to meet a wide range of operating conditions while maximizing footprint through versatile configurations.



DEDICATED MANUFACTURING CAPABILITIES

Our in-house manufacturing capabilities ensure top-notch quality control and engineering excellence from design to production, lasting as long as you own or service our products. We oversee the entire manufacturing process, giving us complete control over our international supply chain, equipment, and the talented people who engineer and build every component we ship.



RANGE OF SURFACE PUMPS

PUMP TYPE	SELF-PRIMING PUMPS	TRANSFER PUMPS	SINGLE-STAGE CENTRIFUGAL PUMPS	MULTI-STAGE CENTRIFUGAL PUMPS	PRESSURE BOOSTING
Ideal Applications	Residential water transfer, commercial dewatering, rainwater drainage, light agricultural irrigation, sump drainage, and industrial liquid transfer	Engine Driven: Irrigation, construction, mining, commercial, municipal and light industrial	Water circulation, booster service, irrigation, liquid transfer, spraying systems, jockey pump service, general purpose pumping, commercial, municipal, mining, light industrial	Water supply and pressure boosting; water treatment; light industry; irrigation and agriculture; heating, ventilation and air conditioning (HVAC)	General water pressure boosting, constant pressure, municipal water or private well systems, irrigation system boosting, and water reclamation systems
Pump Size	1-1/4" – 3"	1-1/2" – 4"	1-1/4" – 8"	1" – 4"	1-1/4" – 4"
Flow Range	30 gpm – 275 gpm	20 gpm – 350 gpm	20 gpm – 2,000 gpm	3 gpm – 500 gpm	2 gpm – 2,400 gpm
Shut-off Ranges	65 ft – 170 ft	47 ft – 210 ft	18 ft – 484 ft	16 ft – 840 ft	62 ft – 820 ft

STANDARD CONSTRUCTION

Impeller Material	Cast Iron, Optional 304 Stainless Steel, 1-2 hp Turf Boss	Thermoplastic, Cast Iron	Thermoplastic, Cast Iron, Ductile Iron, Stainless Steel, Bronze	Noryl®, Stainless Steel (Noryl® is a Registered Trademark of G.E.)	Stainless Steel
Volute Material	Cast Iron	Thermoplastic, Cast Iron	Cast Iron, Ductile Iron, Stainless Steel	Cast Iron, Stainless Steel	Stainless Steel

DRIVER

Driver Type	Electric Motor	Electric Motor, Gas Engine	Electric Motor, Hydraulic, PTO (Water-Truck)	Electric Motor	Electric Motor
Horsepower Range	1/2 hp – 7.5 hp	1 hp – 27 hp	1/2 hp – 125 hp	1/3 hp – 60 hp	1.5 – 60 hp
Enclosure	ODP & TEFC	ODP	ODP, TEFC	ODP, TEFC	ODP, TEFC
Phase	1 & 3	1	1 & 3	1 & 3	1 & 3
Voltage	115/230, 208-230/460	115	115/230, 208-230/460	115/230, 208-230/460	230, 208-230/460, 575
Speed (@ 60 Hz)	1800 & 3600	3600	1800 & 3600	1800 & 3600	Variable

FEATURED SERIES

■ TurfBoss ■ FBSE Series ■ FBSEF Series 	■ FBSGF Series ■ FNSGF Series ■ FMIG Series ■ FACGF Series ■ FNG-23V Series 	■ DR Series ■ FAC Series ■ D Series ■ AG Series ■ XS Series ■ HC Series ■ Water Truck Pump 	■ MH Series ■ BT4 Series ■ VR Series 	■ Inline SpecPAK™ ■ VR SpecPAK™ 
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SELF-PRIMING PUMPS



Franklin Electric's self-priming offering of both clear water and solids handling units is among the widest available in the industry. Residential water transfer, commercial dewatering, agricultural irrigation and drainage are all ideal uses for these pumps.

KEY BENEFITS

- Cast iron pump cases for optimum durability and longevity
- Carbon/ceramic faced seals with other stainless-steel components
- Reliable industry standard motors range from 1/2 to 7.5 hp

TURF BOSS™ (1-2 HP)

Turf Boss 1 to 2 hp pump excels when used to supply large volumes of water for turf irrigation.

Features:

- Self-priming design, with the ability to lift water from a depth of 25 feet
- Shut-off pressures up to 130 feet, and flow rates to 70 gpm



FBSE SERIES

With its semi-open cast iron impeller, the FBSE Series is ideal for handling fertilizer, salt water, dirty water or other liquids.

Features:

- Motors range from 1/2 to 3 hp and use higher than NEMA service factor
- Cast iron rugged construction with tapped openings provided for priming, venting and draining



FBSEF SERIES

Able to pump tough liquids at a maximum capacity of 295 gpm, the FBSEF Series is reliable and rapid at the same time.

Features:

- Motors come in 1.5 to 7.5 hp and are fan cooled while being totally enclosed
- Cast iron construction with large chamber for rapid self priming
- Suction/discharge sizes are a minimum of 1-1/4"



TRANSFER PUMPS



Move tough water substances quickly and efficiently with a Franklin Electric transfer pump. A wide range of horsepower options delivers the performance you need for a variety of challenging applications: from saltwater removal to mining sites in industrial settings. Designed for daily use, the portfolio also offers a full line of gas engine driven pumps including standard centrifugal and self-priming units.

KEY BENEFITS

- Versatile range of pumps with flows up to 350 gpm
- Electric motor and gas engine driven power options

TURFBOSS (3-5 HP)

Turf Boss 3 to 5 hp pump excels when used to supply large volumes of water for turf irrigation.

Features:

- Self-priming design, with the ability to lift water from a depth of 25 feet
- Shut-off pressures up to 130 feet, and flow rates to 70 gpm
- Impeller 304 Stainless Steel



FMIG SERIES

This series is ideal for where flows of up to 300 gpm and 50–60 psi are required.

Features:

- Supplied with a Honda or Kohler engine
- Includes a built-in check valve to facilitate priming



FACGF & FNG-23V SERIES

Our centrifugal gas engine pumps can be used in mining, irrigation, construction and other heavy-duty applications.

Features:

- Briggs & Stratton or Honda engine integrated engine
- Cast iron impeller for maximum efficiency
- Up to 23 hp



FBSGF & FNSGF SERIES

These heavy-duty, gas engine, self-priming pumps are an ideal choice for water transfer applications and temporary irrigation.

Features:

- Equipped with Kohler, Briggs & Stratton or Honda engine
- Max working pressure of 120 psi while heading up to 185 feet



SINGLE-STAGE CENTRIFUGAL PUMPS



Franklin Electric's offering of Department of Energy compliant centrifugal pumps are available as electric motor-driven close-coupled pumps ranging from 1/2 hp through 125 hp, with flows up to 2,000 gpm.

KEY BENEFITS

- Available options in bearing frame and S.A.E. engine mount pump configurations
- Pumps are offered with flanged or threaded connections, with mechanical seal or packing gland options
- Offered in 1800 and 3600 rpm; ODP and TEFC enclosures

D SERIES

Robust D Series centrifugal pumps come standard with heavy-duty cast iron bodies for durability. The dynamically balanced impellers reduce bearing loads and enhance pump longevity.

Features:

- With models ranging from 0.5 to 50 hp, single- and three-phase motor options, and TEFC and ODP enclosure options, these pumps are sure to meet the demands of various applications
- Heavy-duty cast iron body for increased durability
- Impellers are offered in a variety of materials such as stainless steel, bronze and cast iron across models



AG SERIES

The AG Series features close-coupled, electric motor driven pumps producing flows ranging from 65 through 900 gpm. From well-irrigated pastures to watering acres of farmland, the AG Series from Franklin can keep your business growing.

Features:

- With nine of the industry's most popular rating options, standard JM and JP motor frames, and a back pull-out assembly for ease of seal replacement, the AG Series offers improved efficiency and overall performance
- NEMA standard JM and JP shaft motors; 1800 and 3600 rpm; ODP and TEFC enclosures available
- Back pull-out design



SINGLE-STAGE CENTRIFUGAL PUMPS



HC SERIES

The HC Series features heavy duty ductile iron volutes combined with low NPSH characteristics. This rugged pump was designed to handle tough applications, but also with serviceability in mind.

Features:

- Jack-out holes for ease of service as well as a replaceable shaft sleeve and bronze wear-rings
- Nominal impeller diameter: 7.5" & 10"



XS SERIES

The XS Series was designed with performance, serviceability and reliability in mind.

Features:

- Max-life bearings, standard JP motors, additional mounting options, mechanical and packing seals, casing jack-out holes, and enclosed hydraulically balanced impellers for exceptional performance and low NPSH qualities
- Nominal impeller diameter: 9" & 13"



DR SERIES

The robust DR1-DR2 Series pumps are available in a variety of pump construction materials to handle a wide array of applications.

Features:

- Square flange units are available, as well as pump end kits for those customers who choose to provide their own 56J or 56C motors



FAC SERIES

The versatile, general purpose FAC centrifugal pump is constructed from durable cast iron and includes a carbon/ceramic mechanical seal with FKM elastomer.

Features:

- Maximum temperature of 212°F
- Impeller 304 Stainless Steel
- Standard 3600 rpm JM, open drip-proof motor designed for continuous operation



WATER TRUCK PUMP

Franklin Electric has the pump you need for a variety of water truck applications: over-the-road, large off-road or self-filling.

Features:

- Heavy-duty cast iron construction volute with a back-pullout design that can be rotated for ease of installation
- Cast iron enclosed impeller for high efficiency; double keyed for improved reliability



MULTI-STAGE CENTRIFUGAL PUMPS



Franklin Electric's multi-stage centrifugal pump offering includes horizontal and vertical configurations. These units are available in various metallurgies (cast iron, 304 stainless steel or 316 stainless steel) to satisfy your specific application requirements.

KEY BENEFITS

- Ideal for applications such as water supply and pressure boosting; water treatment; light industry; irrigation and agriculture; and heating, ventilation and air conditioning (HVAC)
- Horizontal configurations are available for flow rates up to 90 gpm; vertical configurations are available for flow ranges up to 500 gpm

VR SERIES

VR Series vertical multi-stage pumps are available from 10 to 500 gpm (1-95 m³/h) with all 316 stainless steel hydraulics for superior durability, efficiency and performance.

Features:

- A small footprint, premium motor and rugged components provide a water pumping solution in nearly any tough application
- Rugged NEMA motor mounting with oversized thrust bearing ensures long operating life and enables the use of stock motors available in a wide variety of ratings and enclosures
- NSF/ANSI/CAN 61 & 372 Certified



MH SERIES

The MH Series horizontal multi-stage booster pump is designed to meet your pressure boosting needs. The stainless steel construction offers high performance in a wide variety of applications.

Features:

- Available in five flow rates: 15, 30, 45, 70 and 90 gpm
- Offered in different horsepower sizes in 1-phase or 3-phase options to assure you have the right pump for the job
- All 300 series stainless steel wetted components for maximum durability
- NSF/ANSI/CAN 372



BT4 SERIES

The BT4 horizontal booster pump is a low to medium capacity, high pressure, multi-stage unit. The BT4 can function as a multi-purpose high pressure pump, boosting water pressure from either city mains or private systems.

Features:

- Ideal for applications that require more pressure than flow
- Available in four flow rates: 5, 25, 35 and 45 gpm
- Back pull-out design enables motor removal for servicing without disturbing either the pump or plumbing



PRESSURE BOOSTING SYSTEMS

Whether you're looking for pressure boosting, constant pressure or pressure regulation, our product portfolio provides the right solution to bring any challenge under control. Ideal for new or existing applications, they help overcome a variety of water demands.

KEY BENEFITS

- Solutions for a variety of markets including commercial, industrial, municipal, residential and general pressure boosting
- Flexible output systems designed with electronic controllers that allow operation across an entire performance area

INLINE SPECPAK™

Offering a simplified solution for a pressure boosting system, the Inline SpecPAK™ is a quiet, zero-footprint system that can be easily mounted to the floor, wall or ceiling to reduce footprint and maximize floorspace.

Features:

- Zero-footprint 2-4 pump system configurations
- Quick connections within the individual pump circuit piping allow service/installations to be performed with minimal labor and tools
- Up to 300 gpm and 100 PSI of boost pressure
- Toggle between single-unit or multi-unit pump operation as system demand necessitates
- NSF/ANSI/CAN 372, CSA & UL Certified



VR SPECPAK™

The VR SpecPAK™ pressure boosting system is a versatile, configurable system that meets a wide range of operational, environmental conditions and integration needs—while using high-performance motors, pumps and controls.

Features:

- 316 stainless steel wetted components for superior durability, efficiency and performance over a wide variety of applications
- Up to 2,400 gpm & 400 PSI of boost pressure
- ASHRAE 90.1-2010 compliant with components that offer added protection
- NSF/ANSI/CAN 372 Certified



APPLICATION SPOTLIGHT



BIG HIGH PRESSURE NEEDS WITH LIMITED SPACE FOR BIG EQUIPMENT

WORLD TRADE CENTER BUILDING IN NEW YORK CITY

Franklin Electric partnered with distributor AIM Solutions, Inc. to provide a unique water pressure boosting solution for a tenant moving into 10 stories of the World Trade Center building in New York City.

THE CHALLENGE

The new tenant, a growing technology firm, had big plans for their new space - and those plans required more customized water delivery solutions than the building's existing infrastructure could provide. With the need for more employee-centric amenities, including multiple drinking stations and on-site showers, AIM Solutions worked with a local engineering firm to prepare the space. Real estate in New York City is not only limited, but costly. The engineering firm knew that every inch of available space would need to be outfitted with critical business tools, like office equipment, furniture and working stations, in addition to amenities designed to boost employee engagement and recruitment. Utilizing any floor space for a mechanical room was simply out of the question. In addition, many traditional pumping stations are notoriously loud, creating noise issues that are problematic in an office environment.

THE SOLUTION

Working with AIM Solutions., the engineers found the perfect solution - the Franklin Electric with Inline SpecPAK™ Pressure Boosting System. The scalable Inline SpecPAK Pressure Boosting System can be easily sized to connect to nearly any existing commercial, industrial or multi-residential infrastructure. The system's Inline constant pressure pumps are quiet, compact and self-contained. As water demand increases, the system instantly accelerates the motor to the proper speed ensuring the water pressure stays constant from fixture to fixture. Even low-flow fixtures benefit from a boost in water pressure.

The small footprint and quiet operation also made the Inline SpecPAK the ideal solution for the tenant. The system comes packaged and ready for installation virtually anywhere: in this case, the system was installed in an otherwise unused open ceiling area. This offered a unique advantage to the tenant of not having to use any office floor space for the pressure boosting system.

THE RESULTS

The tenant's employees have already been benefiting from the amenities provided - all without having to compromise water pressure or endure a noisy system. Looking towards the future, the system's built-in scalability means the business can easily add amenities with little to no downtime.



INLINE SPECPAK PRESSURE BOOSTING SYSTEM



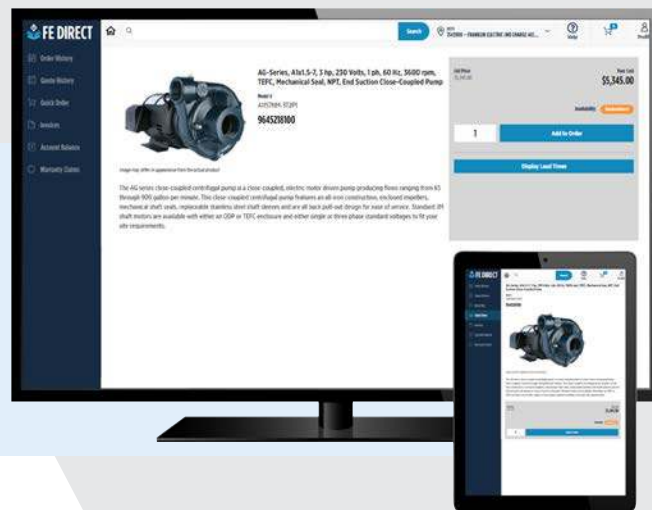
BEYOND THE PUMP



FE DIRECT

GET WHAT YOU NEED, WHEN YOU NEED IT

With FE Direct™, you can easily do business with Franklin Electric 24/7 from your computer, tablet or smartphone. With smart tools and anytime access, you can get things done on your schedule – to help you grow your business. If you haven't tried FE Direct yet, here's how the tool enhances your experience:



PLACE & TRACK ORDERS ANYTIME

Purchase products, track orders and access your account details with new tools that streamline your workload:

- **View Pricing & Availability:** Get immediate information on net pricing details and in-stock status to help streamline your quote process.
- **Get Warranty Info Quickly:** Submit a warranty claim, view your warranty history, check on warranty status, and access your Return Material Authorization (RMA) documents.



FE SELECT

FIND THE RIGHT PUMP FOR THE JOB

With so many pumping system options, it can take time to pinpoint the solution that will work best for your project. FE Select® can help you optimize a system for its unique needs. If you are new to this tool, learn more about how its key features can work for you in simplifying the selection and quotation process:



SIZE. CONFIGURE. QUOTE.

Requiring only the primary application data the software recommends the best product solutions for the job.

- **Simplify Proposal & Pricing Tasks:** Facilitate pricing details to set up quotations rapidly and enhance your proposal documents with relevant drawings, product information, and technical specifications.
- **Manage Quotes & Projects:** Streamline sales efforts on your dashboard, create and save quotations or projects, and keep track of your opportunities.

TRAINING & EDUCATION

STRENGTHEN YOUR TEAM — AND THEIR KNOWLEDGE

Get your team up and running or enhance their skills. Online, in-person—on-site or off. Our educational tools are designed for a variety of learning needs.

- **On-Demand Learning:** Visit FranklinTECHOnline.com and sign up to learn about products and industry best practices. Webinars are also available for both live and on-demand viewing.
- **On-Site Training:** We come to you! Our Franklin Electric experts are equipped to provide information and hands-on demonstrations on our products.



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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