



Franklin Electric

# SUBDRIVE CONNECT

CONSTANT PRESSURE VARIABLE FREQUENCY DRIVE



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



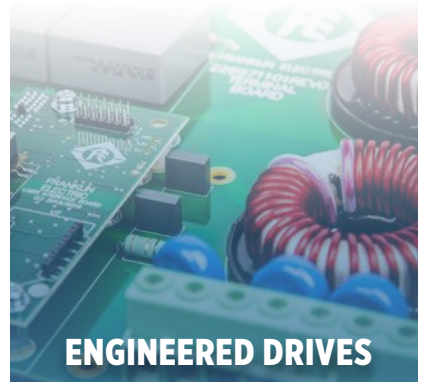
## **HIGH-PERFORMANCE PUMPS**

Our proven portfolio of submersible and surface pumps are designed for superior durability, efficiency and performance.



## **LEGENDARY MOTORS**

Unrivalled performance powered by our legendary submersible motors, including the MagForce™ High Efficiency Motor.



## **ENGINEERED DRIVES**

An innovative line of starter and drive panels designed specifically for ease-of-use in water pumping applications.



## **SubDrive CONNECT**

Franklin Electric's SubDrive Connect Variable Frequency Drives provide an easy-to-install constant pressure solution and built-in protection for single-phase 3-wire and three-phase motors. Enhanced with advanced connectivity, they enable real-time local monitoring, quick setup and streamlined troubleshooting through the FE Connect mobile app.

SubDrive Connect offers an array of compact NEMA 3R-rated drives to solve submersible and above ground pumping challenges with single-phase 3-wire or three-phase performance up to 5 horsepower using single-phase input.







## FEATURES & BENEFITS

### DESIGNED FOR WATER SYSTEMS, OPTIMIZED FOR CONSTANT PRESSURE

Designed specifically for water pumping applications, SubDrive Connect delivers unique features:

- Provides consistent water pressure across a system, eliminating fluctuations
- Soft start maximizes system life
- Advanced filtering to remove radio frequency interference
- Power Factor Correction that optimizes the system for a wider performance range

#### Additional built-in protections include:

- Underload (Dry-run) with customizable sensitivity and off time
- Overload / Locked pump
- Broken pipe detection
- Output short circuit and open circuit
- Undervoltage
- Electrical surge
- Overheated controller
- Moisture sensor input
- Run and fault relays

### SMALLER FOOTPRINT, SMARTER USE OF SPACE

- Compact design, that is ideal for wall-mounting, works with small pressure tanks or existing larger tanks
- Can be used indoors or outside since the self-contained NEMA 3R-rated drive provides a degree of protection against falling rain or sleet



“Our reputation for 25 years has been built upon dependability and service. We feel Franklin is a great partner because of our shared values.

With the SubDrive family, we have a solution for any size, commercial or residential job, whether for constant pressure or booster system upgrades. The compatibility and dependability are there to get the job done right.”

**RYAN GRIFFEN**

Administrator | Griffen Pump Service

## GET THE BEST PERFORMANCE OUT OF YOUR SYSTEM

Maximize performance when pairing Franklin Electric's proven portfolio of submersible or surface pumps with our legendary motors and engineered drives.

VFD	ENCLOSURE TYPE	MODEL NO.
SubDrive20 Connect	NEMA 3R, Variable Frequency	5870205313C
SubDrive30 Connect	NEMA 3R, Variable Frequency	5870205403C
SubDrive50 Connect	NEMA 3R, Variable Frequency	5870205503C

### VERSATILITY FOR MULTIPLE APPLICATIONS

- Ideal for new construction or retrofitting and optimizing submersible and surface systems from 1/2 – 5 hp
- Built-in lead/lag and alternation capability for duplex systems
- Comes standard with various input/output (I/O) ports for streamlined compatibility with adjacent systems



## FIND A SYSTEM-SOLUTION FOR EVERY CHALLENGE

Franklin Electric's SubDrive QuickPAK is a popular system-solution designed to simplify the selection and installation of a constant pressure system based on performance requirements of the application.

### Find an all-in-one solution for every challenge:

- Motor, pump and drive all in one package
- Flow rate options from up to 5 up to 90 gpm
- Horsepower ranges up to 5 horsepower
- Solutions for 3-phase or 1-phase, 3-wire motors, including groundbreaking performance powered by 4" MagForce High Efficiency Motors
- NEMA 3R & NEMA 4 enclosure options available



High Efficiency solutions available

## SIMPLE INSTALLATION, MADE EASIER THROUGH CONNECTIVITY



The easy-to-install platform uses an array of setup, local monitoring, and assisted troubleshooting solutions to help you save time during installation and servicing:

**1. LCD display** provides immediate feedback and read-outs on pressure and system status

**2. No programming is required** with easy DIP switches for basic drive configuration

**3. Integrated connectivity and compatibility** with our FE Connect mobile app for real-time data and monitoring; access to advanced features such as motor frequency range, lead/lag/alternation, broken pipe detection, and fault log retrieval



# TOOLS & SERVICES

Franklin Electric's dedicated support teams are known throughout the industry for their commitment to getting you the answers you need—in the field, over the phone or online.

### ON-SITE FIELD SERVICE

When you work with Franklin Electric, you have access to the industry's leading Technical Support professionals and Field Service Engineers located throughout the nation to assist you with on-site troubleshooting and other service needs.

### TECHNICAL SUPPORT TEAM

Help is a phone call away. With decades of collective industry experience, our team is made up of real people, offering real answers, in real time. For answers to your water systems questions, contact our technical support team by phone at 1-800-348-2420 or email at [techsupport@fele.com](mailto:techsupport@fele.com)



### TRAINING & EDUCATION

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.



---

*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.*

---

Connect with Us!

