



Franklin Electric

# SUBDRIVE CONNECT PLUS

CONSTANT PRESSURE VARIABLE FREQUENCY DRIVE



# 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.

## VERSATILITY FOR MULTIPLE APPLICATIONS

- Ideal for new construction or retrofitting and optimizing submersible and surface systems up to 30 horsepower, including projects powered by MagForce High Efficiency Motors
- Built-in lead/lag and alternation capability for up to 8 drives
- Phase conversion allows for single-phase or 3-phase input in 230 V models
- Comes standard with various input/output (I/O) connections or terminals for streamlined compatibility with adjacent systems

VARIABLE FREQUENCY DRIVES (VFD)	GENERAL PURPOSE DRIVES	HIGH-HORSEPOWER PUMP CONTROLLERS	SubDrive CONNECTPLUS	HOW SUBDRIVE CONNECT PLUS ENHANCES YOUR WATER SYSTEM
OPTIMIZED FOR CONSTANT PRESSURE	✗	★★	★★★	Designed specifically for water pumping applications to deliver unique features for constant pressure.
SIMPLE INSTALLATION	★★	★	★★★	Get started easily with single-level menu and DIP Switch setup for basic parameters.
ASSISTED ADVANCED CUSTOMIZATION	★★	★	★★★	FE Connect mobile app allows fine-tuning of advanced settings and provides enhanced troubleshooting by listing possible causes and solutions.
MULTI-DRIVE CAPACITY	★★	✗	★★★	Solve boosting package challenges with lead/lag/alternate capacity for up to eight drives.
COMPATIBILITY WITH HIGH EFFICIENCY SYSTEMS	★	✗	★★★	Quick, easy startups and reliable protection for projects powered by MagForce High Efficiency Motors.
SMALLER FOOTPRINT	★	★★★★	★★★	Self-contained NEMA 3R rated device does not require additional panels for indoor or outdoor installations.

GOOD: ★ BETTER: ★★ BEST: ★★★

RATED VOLTAGE	1-PHASE INPUT		3-PHASE INPUT		MODEL NO. SUBMERSIBLE & CENTRIFUGAL APPLICATIONS (INCLUDE DV/DT FILTER)
	RATED OUTPUT		RATED OUTPUT		
	HP	AMPS	HP	AMPS	
230	3	11	7.5	28	SDCP-SUB0723
	5	18	10	37	SDCP-SUB1023
	7.5	27	15	48	SDCP-SUB1523
460	-	-	10	18	SDCP-SUB1043
	-	-	15	26	SDCP-SUB1543
	-	-	20	31	SDCP-SUB2043
	-	-	25	39	SDCP-SUB2543
	-	-	30	46	SDCP-SUB3043

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



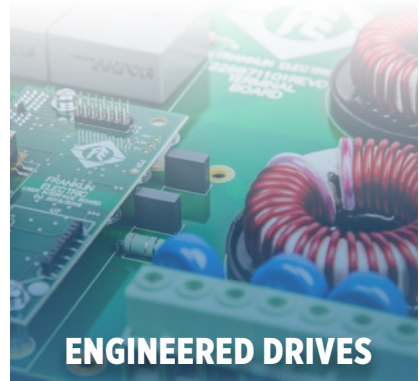
## **HIGH-PERFORMANCE PUMPS**

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** **CONNECTPLUS**

Franklin Electric's SubDrive Connect Plus™ Variable Frequency Drives are engineered to provide a simple, powerful constant pressure solution for water pumping systems in an array of submersible and above ground applications that utilize three-phase motors up to 30 horsepower (hp).

Enhanced with advanced connectivity, they enable real-time local monitoring, quick setup and streamlined troubleshooting through the FE Connect mobile app.

**IRRIGATION | AGRICULTURE & LIVESTOCK  
COMMUNITY WELLS | DEEP RESIDENTIAL  
DEWATERING | PRESSURE BOOSTING**

It's simple to install with the power to handle jobs up to 30 hp. Designed specifically for water systems, so you don't have to waste your time with over-complicated VFDs.

## FEATURES & BENEFITS

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

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

- Provides consistent water pressure across a system, eliminating fluctuations
- Dual set point and adjustable drawdown for exact pressure control
- Soft start maximizes system life
- Run/stop and hand/auto control
- Additional built-in protections include:
  - Pipe fill mode to reduce water hammer
  - 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

### 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 of pressure and system status
- 2 No advanced programming is required with single-level menu and 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

### SMALLER FOOTPRINT, SMARTER USE OF SPACE

- Compact design, that is ideal for wall-mounting, provides a cost-effective solution when compared to high-horsepower systems that use starters or VFD panel packages
- Can be used indoors or outside since the self-contained NEMA 3R-rated drive provides a degree of protection against falling rain or sleet





## STACK SAVINGS & MAXIMIZE PROFIT

By recommending the SubDrive Connect Plus for your installation, you provide a cost-effective solution when compared to high-horsepower systems that use starters or VFD panel packages.

THE COST SAVINGS ADD UP...



MAXIMIZE ENERGY SAVINGS OVER TIME WITH MAGFORCE HIGH EFFICIENCY SYSTEMS



REDUCED INSTALLATION AND SERVICING TIME



SELF-CONTAINED NEMA 3R ENCLOSURE



COMPETITIVE DRIVE SOLUTION

*NOTE: Savings vary per model considering specifications and system duty cycle (run-time).*



Comes fully supported by the industry's leading Technical Support professionals and Field Service Engineers.



Drives are eligible for an Extended Warranty with Franklin Electric-supplied motor and pump.



Input your performance requirements or specs, and our industry-leading online tool will help you find the right Franklin Electric solution for the job.

### YOUR FRANKLIN EXPERIENCE

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.

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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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**Connect with Us!**

