EXPERIENCE SIMPLIFIED

CONSTANT PRESSURE

AND SYSTEM PROTECTION

ACROSS A MULTITUDE OF WATER

PUMPING CHALLENGES

SubDrive UTILITY

SubDrive Utility Variable Frequency Drives are your quick and easy-to-install multi-tools for 2-wire, 3-wire and 3-phase requirements in both 115V and 230V applications.

franklinwater.com

Franklin Electric

Franklin Electric

SubDrive UTILITY

Franklin Electric's SubDrive Utility™ Variable Frequency Drives provide an easy-to-install constant pressure solution for 115 V and 230 V single-phase, 2-wire systems and 230 V 3-wire and 3-phase systems up to 2 hp. Requiring only a small pressure tank in most applications, they offer a more compact overall footprint compared to traditional water systems while providing the added value of constant water pressure and built-in motor protection.

Designed with a sleek NEMA 3R (Type 3R) enclosure, they are rated for both indoor and outdoor use that provides a degree of protection against falling rain or sleet.

FEATURES & BENEFITS

SIMPLE INSTALLATION

Easy-to-install drive; most applications require the simple flip of one switch, saving significant time during installation.

MOTOR PROTECTION

The features proven by Pumptec, now offered in a basic VFD.

MULTIPLE APPLICATIONS

Ideal for new construction and retrofitting or optimizing an existing 2- or 3-wire and 3-phase pumping system.

SIMPLIFIED INVENTORY

Replaces the need for multiple control boxes, a pressure switch, and a larger pressure tank.

COST EFFECTIVE

Provides total system cost at or below standard installations with pump flows of 10 gpm and greater.

INDUSTRY EXPERTISE

Manufactured specifically for water pumping applications by a pump manufacturer, incorporating Franklin Electric's more than 14 years of drive engineering expertise into its design.

FULLY SUPPORTED

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

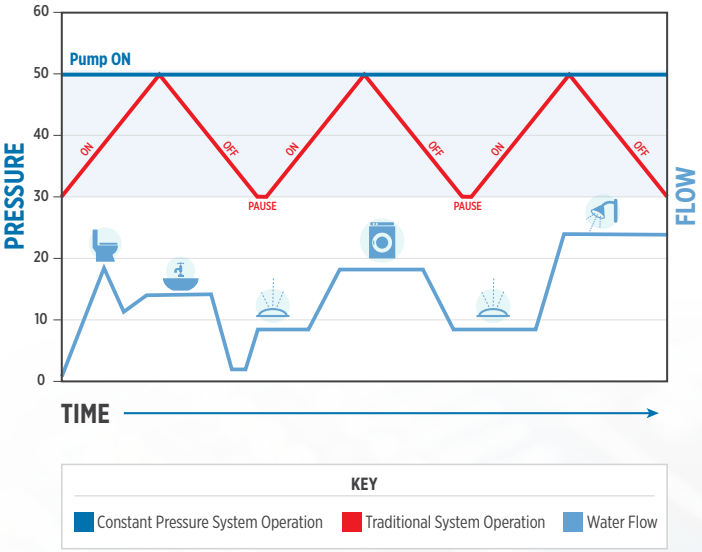
= Unique to the Franklin Electric Experience

CONSTANT PRESSURE vs TRADITIONAL SYSTEMS

PRESSURE & FLOW COMPARISON

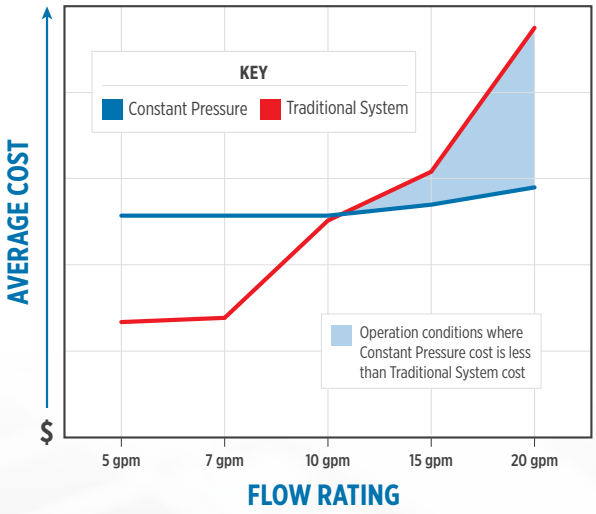
SUBDRIVE UTILITY puts the pump on cruise control by providing water pressure regardless of demand.

TRADITIONAL systems use a single-speed motor and pump to move water. As demand increases, the pump speed stays the same, causing pressure fluctuation and weak flow.



SYSTEM COST COMPARISON

The graph below compares the average costs of components for constant pressure and traditional water systems. For systems with higher flow rates, SubDrive Utility can be a cost effective solution.



APPLICATION OPPORTUNITIES

Maximize your profit on installations and suggest the SubDrive Utility for:

- Homeowners experiencing fluctuations in water pressure
- Maintenance calls for pump and motor work
- Applications where a pressure tank, switch and control box needs to be replaced
- New single-family residences requiring low demand

SubDrive UTILITY

COMPARISON

	DESCRIPTION		CONTROL	PROTECTION			VARIABLE FREQUENCY DRIVES (VFD)	
			Control Box	QD Pumptec	Pumptec	Pumptec Plus	SubDrive Utility UT2W	SubDrive Utility UT3P
	CONSTANT PRESSURE						✓	✓
FEATURES & PROTECTION	Protection	Rating	NEMA 3R	N/A	NEMA 3R	NEMA 3R	NEMA 3R	NEMA 3R
		Underload		✓	✓	✓	✓	✓
		Under/Over Voltage		✓	✓	✓	✓	✓
		Rapid Cycle			✓	✓		Soft Start
		Overload/Locked Pump		✓	✓	✓	✓	✓
		Open/Short Circuit					✓	✓
	Input/Output/Control	Pressure Sensor (Hobbs)					✓	✓
		Pressure Transducer (4-20mA)					✓	✓
		Broken Pipe					✓	✓
		Pressure Sensor Error					✓	✓
		Start/Run Circuits	✓	✓	✓	✓	✓	✓
SUBMERSIBLE MOTORS	1-Phase, 2-Wire	115V	1/3 hp – 1/2 hp			✓		✓	
		230 V	1/2 hp – 1.5 hp			✓	✓	✓	
	1-Phase, 3-Wire	115 V	1/3 hp – 1/2 hp	✓	✓	✓			
		230 V	1/3 hp	✓	✓	✓	✓		
			1/2 hp – 1 hp	✓	✓	✓	✓		✓
			1.5 hp	✓		✓	✓		✓
			2 hp	✓			✓		✓
			3 hp	✓			✓		
			5 hp	✓			✓		
			5 hp – 15 hp	✓					
	3PH	230 V	1 hp – 2 hp						✓
SURFACE PUMPS	1-Phase, 2-Wire	115 V	1/3 hp – 1 hp					✓	
		230 V	1/2 hp – 2 hp					✓	
	3PH	230 V	1/2 hp – 2 hp						✓

VARIABLE FREQUENCY DRIVES		SubDrive Utility UT2W	SubDrive Utility UT3P
Order No.	Drive w/ Pressure Sensor	5870202003	5870202303
	Drive w/Pressure Transducer	5870202003XD	5870202303XD

Franklin Electric