



Franklin Electric

SUBDRIVE UTILITY



franklinwater.com

YOUR PARTNER FOR **WATER SYSTEMS**



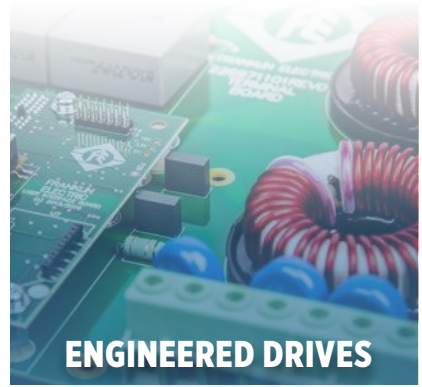
HIGH-PERFORMANCE PUMPS

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



LEGENDARY MOTORS

Unrivaled performance powered by over 75 years of expertise as the world's largest manufacturer of submersible motors.



ENGINEERED DRIVES

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



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

DESIGNED FOR WATER SYSTEMS, OPTIMIZED FOR CONSTANT PRESSURE

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

- Provides consistent water pressure across a system, eliminating fluctuations
- Additional built-in protections include:
 - Underload (Dry-run) with customizable sensitivity
 - Overload / Locked pump
 - Output short circuit and open circuit
 - Undervoltage

SIMPLE INSTALLATION, EASY-TO-INSTALL DRIVE

Most applications require the simple flip of one switch, saving significant time during installation

VERSATILITY FOR MULTIPLE APPLICATIONS

- Ideal for retrofitting or optimizing existing single-phase, two-wire or three-wire, and three-phase submersible or above ground pumping systems up to 2 horsepower

SMALLER FOOTPRINT, SMARTER USE OF SPACE

- Compact design, that is ideal for wall-mounting, works with small pressure tanks or existing units
- Cost-effective solution that replaces the need for multiple control boxes, a pressure switch, and larger tanks; delivers a total system cost at or below standard installations with pump flows of 10 gpm and greater
- Can be used indoors or outside since the self-contained NEMA 3R-rated drive provides a degree of protection against falling rain or sleet

FULLY SUPPORTED

Comes fully supported by the industry-leading technical support professionals and field service engineers



“ Families have higher expectations of their home appliances than ever before, but they also put a premium on space. With a compact solution, such as SubDrive Utility, you can mount the VFD and a tank on the wall and free up valuable floor space for water treatment or other uses. ”

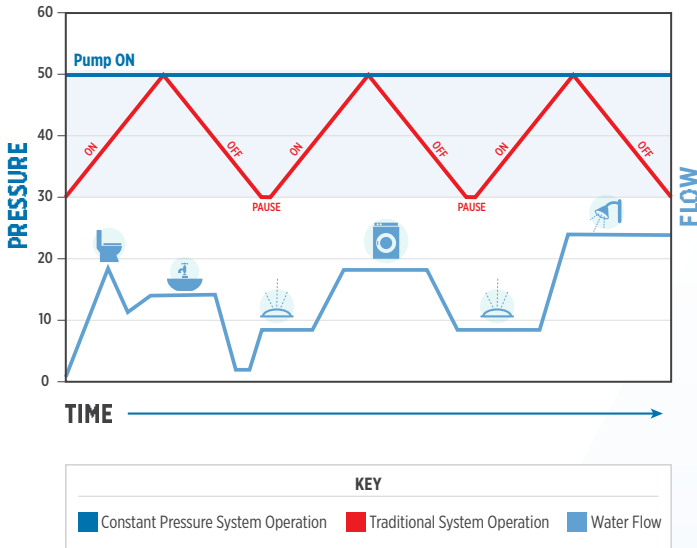
STEPHEN BRANDT
Driller | Brandt Well Drilling

CONSTANT PRESSURE VS TRADITIONAL SYSTEMS

PRESSURE & FLOW COMPARISON

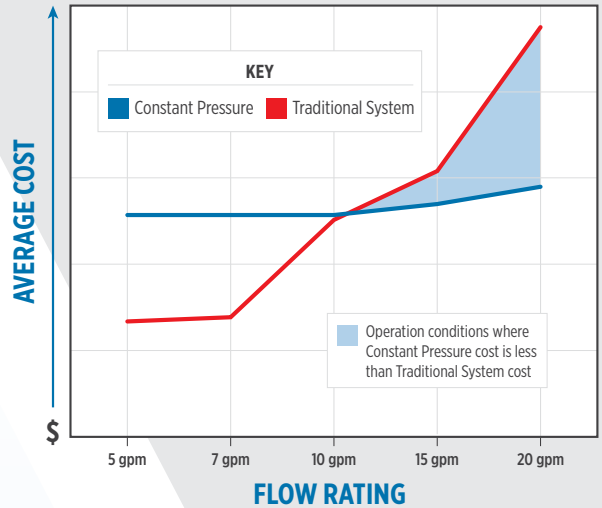
SUBDRIVE UTILITY puts the pump on cruise control by providing water pressure regardless of demand.

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

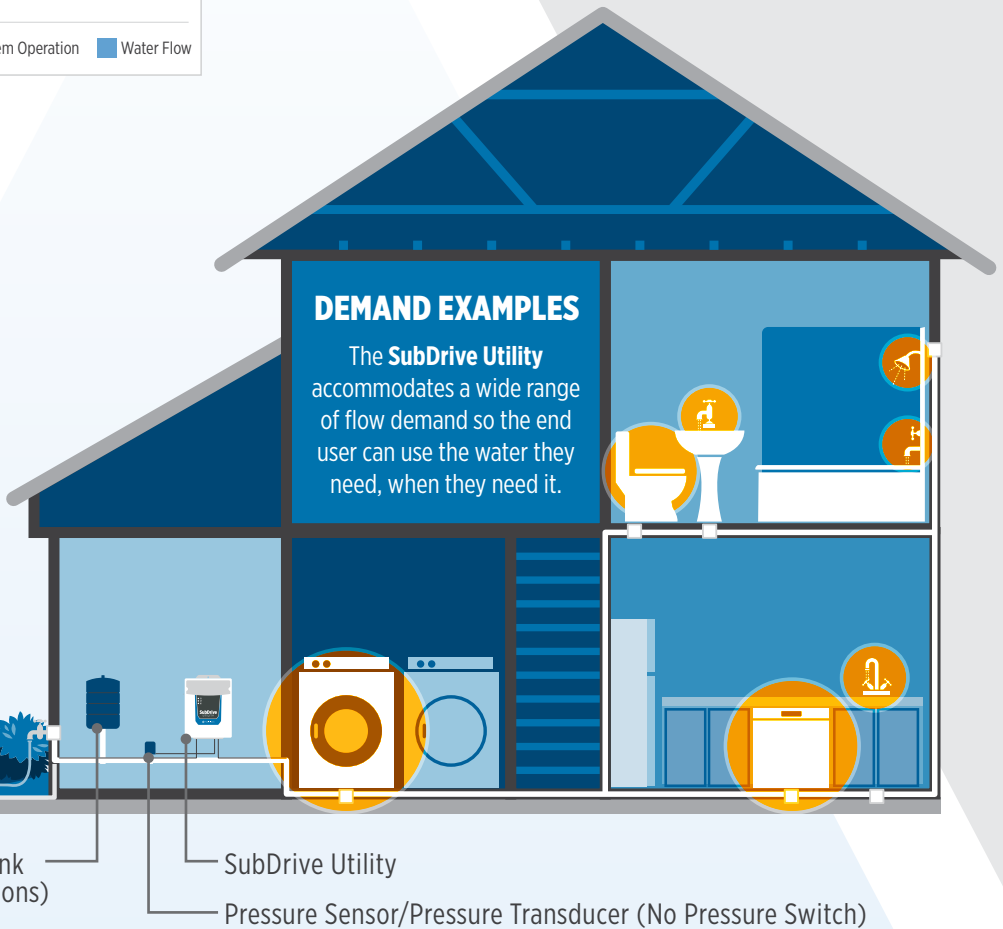
The graph below compares the average costs of components for constant pressure and traditional water systems. For systems with higher flow rates, SubDrive Utility can be a cost effective solution.



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	
		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	230 V	115 V	1/3 hp - 1/2 hp	✓	✓	✓	
			1/3 hp	✓	✓	✓		
			1/2 hp - 1 hp	✓	✓	✓	✓	
			1.5 hp	✓		✓	✓	
			2 hp	✓		✓	✓	
			3 hp	✓		✓	✓	
			5 hp	✓		✓		
	5 hp - 15 hp	✓						
3PH	230 V	1/2 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 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!

