

CP Package System

Constant “City-Like” Water Pressure



4" Constant Pressure Submersible Pump System with Yaskawa Controller

The Webtrol CP Package System is an innovative drive system that solves what has plagued rural homeowners for years, getting city-like (constant) water pressure from their wells.

People moving from municipal to private water well systems tend to be unaware of two things, the need for a large pressure tank and the inherent pressure cycling present in a conventional water well system. In conventional well systems, pressure tank cycling (generally between 30 and 50 psi) causes major variations in water pressure.

The Webtrol CP Package System is a submersible pump/motor designed to maintain constant water pressure using a standard 1.5 - 5 HP electric 3-phase motor, operating between 1800 RPM and 4800 RPM.

The system uses only three components:

- 1) Submersible pump/motor assembly
- 2) Yaskawa VFD controller
- 3) Pressure transducer

The system concept is really pretty simple. Standard water system motors are single speed. The CP Package System system is designed to vary the speed (RPM) of the motor to give you variable HP from one motor. When you need more water, it runs faster. When you need less water, it runs at a slower speed while maintaining a constant water pressure.

CP Package System

System Features and Benefits

- Everything you need in one box
- Easy Installation
- Provides constant "City-Like" water pressure under varying demands
- Controller replaces pressure switch and has no moving parts
- Adjustable pressure 25-80 lbs
- Controller minimizes pressure cycling during long-running applications
- Soft start/stop prevents water hammering and no in-rush of electric current at start-up
- Controller converts single-phase 230V to three phase power, providing smooth and efficient motor operation
- Ideal for geothermal systems or lawn irrigation

Yaskawa VFD Controller Software Features

- Deadhead protection
- Auto system restart
- Sleep boost
- Constant pressure with well draw down control
- Pump run dry protection
- Motor thrust bearing protection

Webtrol WT Series Submersible Pump Features

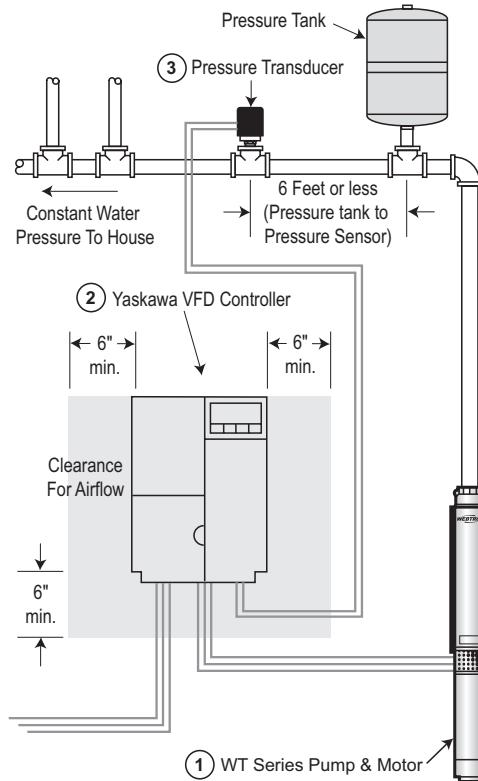
- 304 stainless steel components
- Enclosed urethane bearing mounted in polycarbonate top diffuser
- Glass reinforced Noryl impellers
- Capacities to 80 GPM
- Heads to 1,360'

A Typical Webtrol Yaskawa CP Package System consists of only three components

① Standard WT Series pump/3PH motor assembly
 ② Yaskawa VFD Controller ③ Pressure Transducer

Minimum Pressure Tank Size (Total Capacity)		
Pump Flow Rating	CP Pack	Minimum Tank Size
Less than 12 GPM	CPY06	2 gallons
	CPY10	4 gallons
	CPY12	4 gallons
	CPY18	8 gallons
12 GPM or higher	CPY06	4 gallons
	CPY10	8 gallons
	CPY12	8 gallons
	CPY18	20 gallons

Note: The Yaskawa controller is intended for indoor use and for operation in ambient temperature up to 104° F. The electronics inside the controller are air cooled. As a result, there should be at least 6 inches of clearance on each side and below the unit to allow room for air flow.





CP Package System

Model #	Pump End		Motor HP
	Flow Rate	HP	
CPY06/WT0510-FE	5	1	1
CPY06/WT0710-FE	7	1	1
CPY06/WT1010-FE	10	1	1
CPY06/WT1310-FE	13	1	1
CPY06/WT1810-FE	18	1	1
CPY06/WT2510-FE	25	1	1
CPY06/WT3510-FE	35	1	1
CPY06/WT4010-FE	40	1	1
CPY06/WT0515-FE	5	1.5	1.5
CPY06/WT0715-FE	7	1.5	1.5
CPY06/WT1015-FE	10	1.5	1.5
CPY06/WT1315-FE	13	1.5	1.5
CPY06/WT1815-FE	18	1.5	1.5
CPY06/WT2515-FE	25	1.5	1.5
CPY06/WT3515-FE	35	1.5	1.5
CPY06/WT4015-FE	40	1.5	1.5
CPY06/WT5515-FE	55	1.5	1.5
CPY06/WT6015-FE	60	1.5	1.5
CPY10/WT0520-FE	5	2	2
CPY10/WT0720-FE	7	2	2
CPY10/WT1020-FE	10	2	2
CPY10/WT1320-FE	13	2	2
CPY10/WT1820-FE	18	2	2

Model #	Pump End		Motor HP
	Flow Rate	HP	
CPY10/WT2520-FE	25	2	2
CPY10/WT3520-FE	35	2	2
CPY10/WT4020-FE	40	2	2
CPY10/WT5520-FE	55	2	2
CPY10/WT6020-FE	60	2	2
CPY12/WT0730-FE	7	3	3
CPY12/WT1030-FE	10	3	3
CPY12/WT1330-FE	13	3	3
CPY12/WT1830-FE	18	1.5	3
CPY12/WT2530-FE	25	3	3
CPY12/WT3530-FE	35	3	3
CPY12/WT4030-FE	40	3	3
CPY12/WT5530-FE	55	3	3
CPY12/WT6030-FE	60	3	3
CPY12/WT8030-FE	80	3	3
CPY18/WT1050-FE	10	5	5
CPY18/WT1850-FE	18	5	5
CPY18/WT2550-FE	25	5	5
CPY10/WT3550-FE	35	5	5
CPY10/WT4050-FE	40	5	5
CPY10/WT5550-FE	55	5	5
CPY10/WT6050-FE	60	5	5
CPY10/WT8050-FE	80	5	5

Consult factory for reduced pump ends at higher speeds.



There when you need us most

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