

Variable Frequency Drives

For Constant Pressure Control Applications



HIGH RISE



BOOSTER



IRRIGATION



DEEP WELL

SJE
Rhombus

www.sjerhombus.com

SubCon® VFD

1.5 HP (208-240V)

3.0 HP (208-240V)

Applications:

- Residential Deep Well Submersible Pump Control
- Residential & Commercial Booster Pump Control
- Duplex Alternating Booster Pump Control
(2 VFDs + Communication Link)

Alpha-Numerical Display:

- Displays current pressure in PSI or Bar
- Target pressure setting
- Pump speed in Hz
- Pump Amps
- Pump Run Time



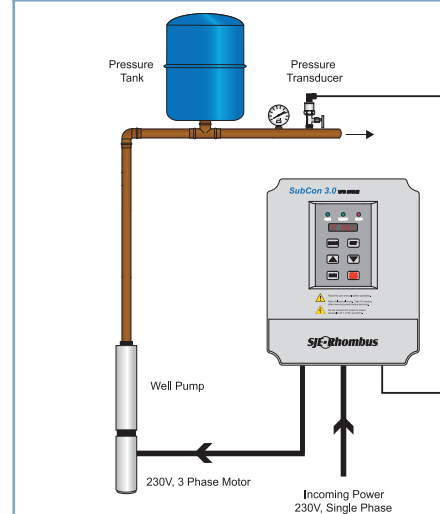
Features:

- P.I.D. control
- Adjustable electronic motor overload
- 0-145 PSI transducer, 4-20 mA signal
- Over Temperature
- Low discharge pressure alarm
- High discharge pressure alarm
- Automatic restart
- Rated output:
 - SubCon® 1.5 - 5.9 Amps @ 230V, Three Phase
 - SubCon® 3.0 - 11.0 Amps @ 230V, Three Phase
- Rated input voltage (A): 208-240 VAC Single Phase
- (1) digital input
- (1) digital output
- NEMA 1 - IP 20 enclosure

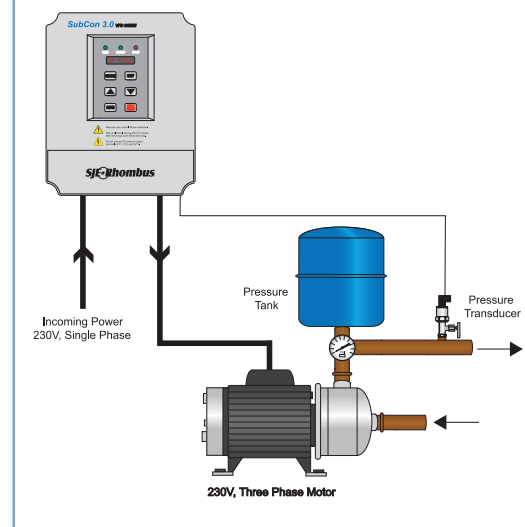


SubCon® VFD

Deep Well Submersible Pump Application



Booster Pump Application



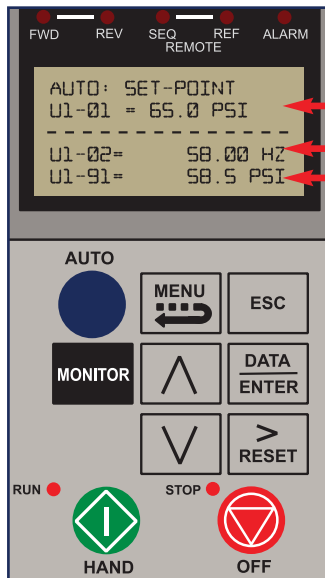
H2O Drive® VFD

5 HP - 150 HP (208-240V)
5 HP - 500 HP (380-480V)

Applications:

- Deep Well Submersible Pump Control
- Booster Pump Control
- Irrigation Pump Control

Four-Line LCD Display:

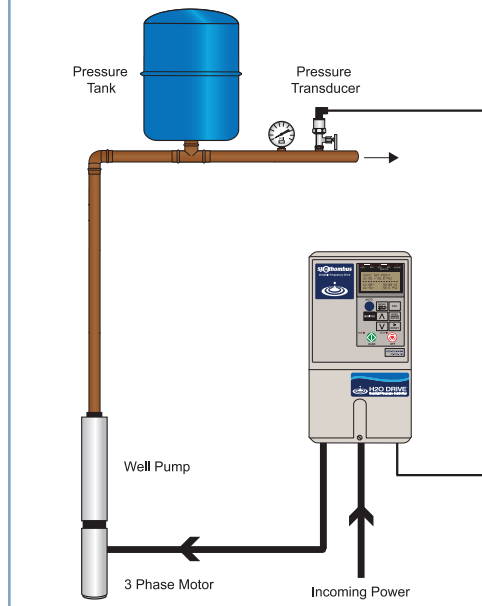


- ← Pressure Set-Point
- ← Motor Frequency
- ← Transducer Feedback



H2O Drive® VFD

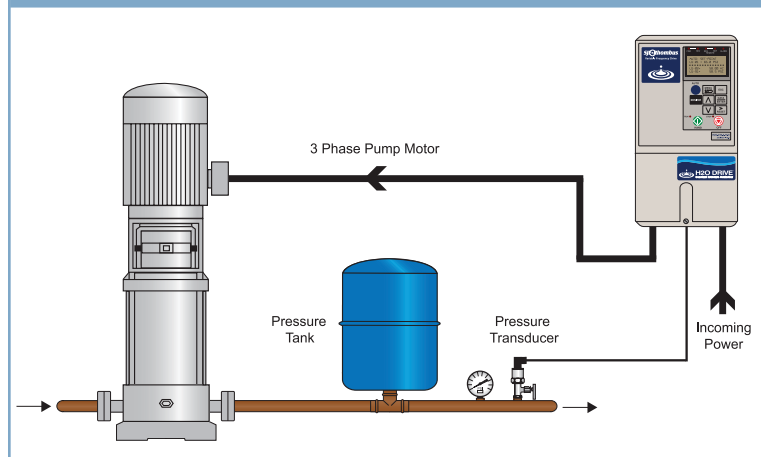
Deep Well Submersible Pump Application



Features:

- P.I.D. control
- Adjustable electronic overload
- 0-200 PSI transducer, 4-20 mA signal
- Pre-charge control
- Thrust bearing control
- Advanced no-flow detection
- Dry run protection
- High pressure alarm
- Low pressure alarm
- Automatic system restart
- Multiple pressure set-points
- Multiple languages
- 7 digital inputs
- 2 analog inputs
- 3 relay outputs
- 2 analog outputs
- Modbus RTU communication
- Customization available
- Factory pre-programmed for your application
- NEMA 1 - IP 20 enclosure

Booster Pump Application



VFDC-4000

VFDC-4000 VFD Control Panels

- 1 to 4 pump control
- 1 VFD per pump
 - 208-240V
 - 380-480V
 - 575-690V
 - Up to 600 HP



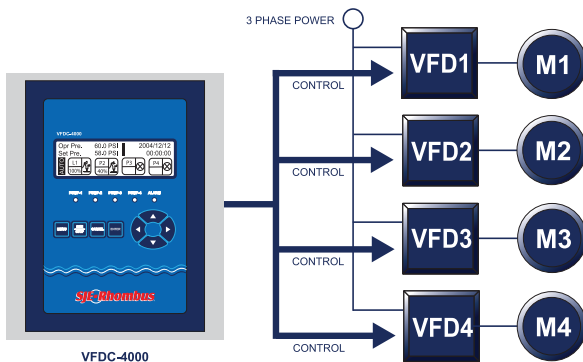
Applications:

- Booster Pump Control for:
 - Municipal
 - Industrial
 - High Rise Buildings



Features:

- P.I.D. control
- 1 to 4 VFD operation
- 0-200 PSI transducer, 4-20 mA signal
- Graphic screen display with back-lighting
- Four arrow buttons for easy navigation and set up
- Automatic alternation
- Alarm log with date and time stamp
- Scheduled pressure set up function
- Night time operation
- Password protection
- Serial communication
- Idle and freeze prevention
- Low pressure alarm
- High pressure alarm
- Low water input alarm
- Factory pre-programmed for your application



VFDC-1300

VFDC-1300 VFD Control Panels

- 1 to 3 pump control
- 1 VFD + motor starters
 - 208-240V
 - 380-480V
 - 575-690V
 - Up to 600 HP



Applications:

- Agricultural Irrigation
- Golf Course Irrigation



Features:

- P.I.D. control
- Single VFD operation
- 0-200 PSI transducer, 4-20 mA signal
- Graphic screen display with LED back-lighting
- Easy set up
- Dry run protection
 - Low VFD amps at full speed
 - Time delay
 - Auto restart timer
- Fill pipe
- Run time
- Cycle counter
- Low pressure alarm
- High pressure alarm
- Low water input alarm:
 - Low suction pressure
 - Low water pressure
- Factory pre-programmed for your application

