

# SubCon<sup>®</sup> VFD DRIVE

The **SubCon<sup>®</sup> controller** provides a state-of-the-art solution for **water well** applications. The water pressure is monitored continuously and the **SubCon<sup>®</sup> variable frequency drive** will automatically adjust the pump speed to **maintain a constant discharge pressure**.

- **Uses a 0-145 PSI pressure transducer for continuous pressure monitoring and control.**
- **The set pressure is easily adjusted via the keypad, no tools required.**
- **Alpha-numerical display:**
  - Displays current pressure in PSI
  - Target pressure setting
  - Pump speed in Hz
  - Pump Amps
  - Pump run time
- **Advanced protection features:**
  - Adjustable electronic motor overload protection
  - Under voltage
  - Over temperature
  - Low discharge pressure alarm
  - High discharge pressure alarm
  - Pressure transducer fault (open/short)

- **Dry Well Protection**

The drive can be set up to stop on low pressure and fault, or automatically re-start after a programmable set time without generating a fault.

- **Programmable Start Pressure Differential**

The pressure differential between the **set pressure** and the **start pressure** features can significantly reduce pump cycling resulting in **energy savings** and **longer pump life**.

- **Digital Input**

A digital input is available in the **SubCon<sup>®</sup>** for monitoring a potential free contact. A pressure switch or float switch could be used to stop the drive's operation.

- **Relay Output**

1 relay output is available for pump run status or alarm status.

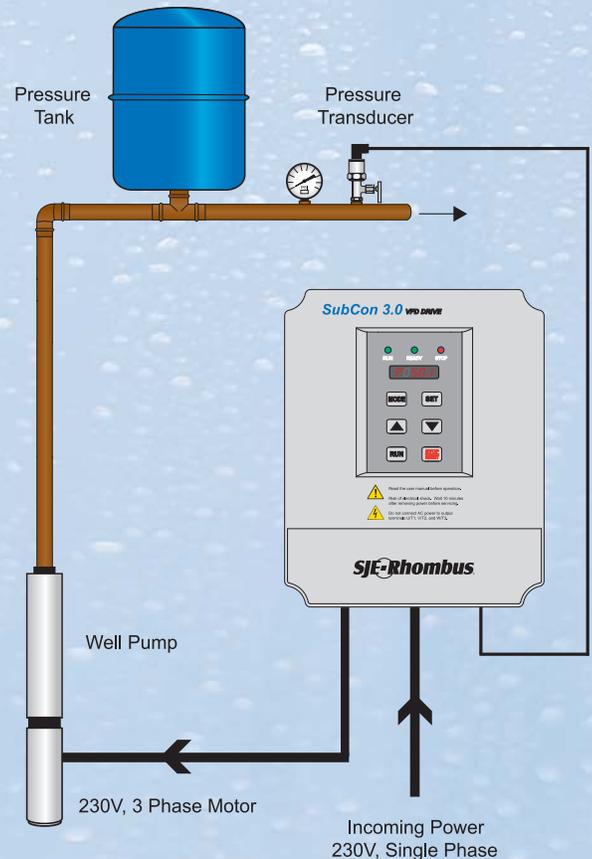
- **Error Log**

The **SubCon<sup>®</sup>** will record the last 20 error codes into memory.

- **Three-Year Limited Warranty**

- **UL/cUL Listed** 

## Simplex Operation



SubCon<sup>®</sup> Display