SubCon® Variable Frequency Drive

• State-of-the-art solution for residential water well applications.
• The drive monitors water pressure and 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.
• Available in 1.5 HP and 3.0 HP models.
• UL/cUL Listed.

H2O Drive® Variable Frequency Drive

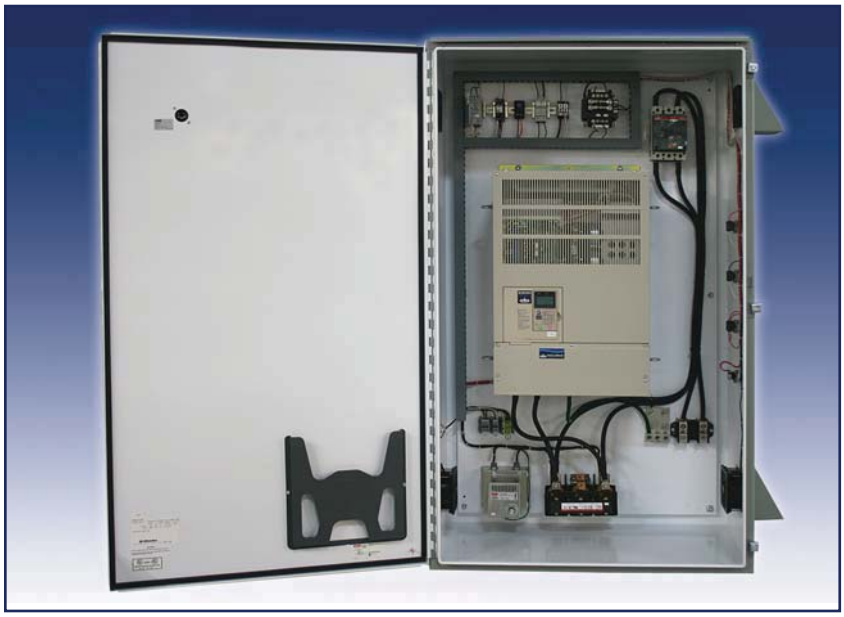
• Next generation solution for constant pressure control in variable speed pumping applications.
• Integrated advanced pumping software reads the discharge pressure and automatically adjusts the pump speed to maintain a constant pressure.
• Applications include submersible deep well pumps, booster pumps and irrigation pumps.
• Available for 5 - 500 HP applications.
• UL/cUL Listed.

VFDC-4000 Controller

• Microprocessor-based controller specifically designed for constant pressure applications using 1 - 4 variable frequency drives.
• Features P.I.D. control, automatic alternation, data logging, and communication capabilities.
• Backlit graphic display allows user to monitor pressure, pump speeds, and alarm status.
• The menu driven setup makes navigation and configuration fast and simple.

VFDC-1300 Controller

• Microprocessor-based controller specifically designed for irrigation applications using one variable frequency drive, up to three pumps (1 VFD + 2 mag starters).
• NEMA 3R enclosure.
• Alternating pump control.
• Graphic display with communication options.
• VFD + IEC motor contactor control.
• UL/cUL Listed.



Constant Pressure Controls (VFDs)

In constant control pressure applications, a pressure transducer is mounted at the pump discharge and is wired to the Variable Frequency Drive (VFD). In Automatic Mode, the drive will run the pump and continuously make speed adjustments until the Pressure Feedback = Set Pressure (Target Pressure). The VFD uses P.I. (Proportional + Integral) control to calculate the required speed corrections as the feedback pressure drops or rises above the set pressure.

In no-flow conditions, the Drive will reduce the pump speed to the "minimum speed setting" and it will eventually go into a "sleep mode" (pump stop). Upon a pressure drop below the "start pressure" the Drive will "wake up" and run the pump again.

Constant Pressure Controls Include:

- SubCon® VFD, 1.5 - 3.0 HP
- H2O Drive®, 5 - 500 HP
- VFDC-4000 Controller, multiple VFDs
- VFDC-1300 Controller, single VFD