

Honesty

Saving our Customers Time & Energy



Variable Speed Drive Pump Systems

Water pumping systems are designed to supply the maximum demand of the system in which they are installed. However, quite often the demand for water can vary and be much less than the system is designed for in capacity.

For example, on a conventional pump system, a throttling valve in the system piping normally handles these conditions. The pressure drops across a control valve and other factors cause an energy loss.

A Variable Frequency Drive eliminates the need for a control valve because speed and output of the pump are electrically controlled to match the water demand.

The variable speed drive system operates much like the cruise control in your car as it is traveling down the road with the cruise control set at 60 MPH. When the car approaches a hill the motor speed must increase using more fuel to maintain 60 MPH and correspondingly will slow down using less fuel going down the opposite side of the hill. When the water demand is reduced in a booster pump system the pressure begins to rise and the Variable Frequency Drive slows the speed of the electric pump motor therefore controlling operating pressure at the desired point.

The power savings in most applications is approximately 30% or more.

When the speed of the electric motor is lowered, the required horsepower is reduced translating into power savings in electric consumption.

Being more efficient saves time... and keeps your golf course up to par all of the time!

We explain what we do
& show you why it works.