SPOC Automation, the largest independent artificial lift controls manufacturer in North America, is proud to introduce the HPS Series Drive. After years of continued development and listening to our customers, we can say, “It's in there.”

The HPS drive is the industry's best tank level, PSI control, feature-rich surface pumping system drive on the market. By reducing the number of starts and stops, the HPS drive protects against mechanical wear and tear while saving energy costs. Also, controlling your drive has never been easier with the WiseGuy interface that comes standard with every HPS drive. With the intuitive interface, everything you need to control the drive is located on one easy-to-use screen.

We asked our customers what their wish list would be for their horizontal pumps, triplex and other injection/disposal applications. The final result is the HPS Series Drive, which has everything you need to produce more and spend less, and it’s all inside the drive for your pumping system:

**TANK LEVEL INPUTS**
- Head pressure switches
- Analog pressure transducers
- Ultrasonic sensors
- Radar sensors

**SUCTION / DISCHARGE INPUTS**
- Pressure switches
- Analog pressure transducers

**PROVIDE HISTORICAL AND PRODUCTION DATA**
- Trending & run history
- Data logging with USB expandable memory
- Midnight custody data transfer
- Single touch USB download to USB memory
- SCADA ready product

**INTUITIVE OPERATOR INTERFACE THAT AIDS TROUBLESHOOTING**
- Fault indication
- Vibration switch
- Oil level / Temperature
- High / Low suction
- High / Low discharge
- High / Low tank
- Date & time stamped

**CONTROL SIGNALS FOR OPTIONAL FEEDS**
- Charge pumps
- Booster pumps

**TWO APPLICATIONS FOR SURFACE PUMPING IN ONE DRIVE**
- Tank level
- Discharge pressure

Pressure, Tank Level, Control... It’s In There!
TECHNICAL DATA SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP Range</td>
<td>2HP – 1800HP</td>
</tr>
<tr>
<td>Input Range</td>
<td>380 – 500 VAC ***</td>
</tr>
<tr>
<td>45-66 Hz Input Frequency</td>
<td>Standard</td>
</tr>
<tr>
<td>Output: AC Volts maximum</td>
<td>Std: Input Voltage Base, AFE: Input Voltage x 1.2 Max</td>
</tr>
<tr>
<td>Output Frequency Range: Hz</td>
<td>0 – 320 Hz</td>
</tr>
<tr>
<td>Initial Output Current (CT)</td>
<td>250% for 2 seconds</td>
</tr>
<tr>
<td>Overload: 1 Minute (CT/VT)</td>
<td>150% CT /110% VT</td>
</tr>
<tr>
<td>NEMA 3R, Harsh Environment Enclosure</td>
<td>Standard with Sun Shield &amp; Heat Exhaust System</td>
</tr>
<tr>
<td>Cold Weather Heater &amp; Thermo Switch</td>
<td>Standard</td>
</tr>
<tr>
<td>Extreme Cold Weather Heat Kit</td>
<td>Optional</td>
</tr>
<tr>
<td>Listings Available</td>
<td>UL, cUL Optional</td>
</tr>
<tr>
<td>WiseGuy HP Touch Screen Operator Interface</td>
<td>Standard</td>
</tr>
<tr>
<td>Communications</td>
<td>Mod Bus RTU Standard, other protocols available</td>
</tr>
<tr>
<td>Altitude (Maximum without De-Rate)</td>
<td>3300 ft. (1000m)</td>
</tr>
<tr>
<td>Line Voltage Variation</td>
<td>+10/-15% Standard, +10/-20% AFE Option</td>
</tr>
<tr>
<td>Efficiency</td>
<td>&gt;97%</td>
</tr>
<tr>
<td>Power Factor (Displacement)</td>
<td>.98</td>
</tr>
</tbody>
</table>

*** Other voltages available, please consult SPOC

INDUSTRY’S WIDEST RANGE OF DRIVES

- 2HP - 1800HP drives
- 240V, 480V, 690V low voltage motors
- Medium voltage motors
- Sine Wave output filters
- Low harmonic input solutions

PACKAGED FOR OIL & GAS INDUSTRY

- Engineered harsh duty drive enclosures
- Heat exhaust systems, solar load reduction shields
- Arctic to desert packaging
- Power voltage surge protection
- Best practices on controls & protection

RELIABLE, DEPENDABLE, LATEST DRIVE TECHNOLOGY

- Two year manufacturer’s warranty
- Fifth generation drive technology
- Advanced drive manufacturing processes

The WiseGuy HP interface allows control of a wide range of features all from one easy-to-use touch screen.

1,000 HP installation shown. The HPS drive can operate with traditional oil field switches and gauge controls, or it can fully automate the pump system.