

HPS SERIES DRIVE

Pressure, Tank Level, Protection... **It's In There!**

We asked our customers what their wish list would be for their horizontal pump, injection/disposal or hydraulic lift applications. The final result is the HPS series drive.

HPS is the industry's best horizontal surface pumping system drive. It protects your pumping system and allows the flexibility to operate it reliably and on curve. By reducing the number of starts and stops, the HPS drive protects against mechanical wear and tear, while helping you save on your energy costs.

Controlling your drive has never been easier thanks to the WiseGuy interface, which comes standard with every HPS drive. The intuitive interface allows you to control and protect your pumping system from one easy-to-use screen. It offers redundant pump protections to keep you operating reliably.

ANALOG INPUTS FOR PROTECTION AND TRENDING

- Tank Level
- Inlet Pressure
- Discharge Pressure
- Vibration (Two Channels)
- Flow Sensor
- Pressure valve position
- RTD input for thrust chamber bearing
- Optional RTDs for motor bearings and winding

PROTECTION TO KEEP YOU ON CURVE

- Discharge valve control and feedback
- Underload protection

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, time & date stamped
- Cause of fault
- Fault history
- Full datalog

CONTROL SIGNALS FOR OPTIONAL FEEDS

- Charge pumps
- Oil cooler

TWO APPLICATIONS FOR SURFACE PUMPING IN ONE DRIVE

- Tank level
- Discharge pressure





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

TECHNICAL DATA SPECIFICATIONS

HP Range	2HP – 1800HP
Input Range	380 – 500 VAC VAC or 525-690VAC***
Input Frequency	45-66 Hz
Output: AC Volts maximum	Std: Input Voltage Base, AFE: Input Voltage x 1.2 Max
Output Frequency Range: Hz	0 – 320 Hz
Initial Output Current (CT)	250% for 2 seconds
Overload: 1 Minute (VT)	110% VT
NEMA 3R, Harsh Environment Enclosure	Standard with Sun Shield & Heat Exhaust System
Cold Weather Heater & Thermo Switch	Standard
Extreme Cold Weather Heat Kit	Optional
Listings Available	UL, cUL Optional
WiseGuy Touch Screen Operator Interface	Standard
Communications	Modbus RTU, TCP Standard, others available
Altitude (Maximum without De-Rate)	3300 ft. (1000m)
Line Voltage Variation	+10/-15% Standard, +10/-20% AFE Option
Efficiency	>97%
Power Factor (Displacement)	.98

*** Other voltages available, please consult SPOC.

INDUSTRY'S WIDEST RANGE OF DRIVES

- 2HP - 2000HP drives
- 240V, 480V, 600V low voltage motors
- Medium voltage motors
- Sine Wave output filters
- Low harmonic input solutions available

LOW HARMONIC INPUT SOLUTIONS

- Active front end
- Passive filter
- 12 pulse

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

400hp installation shown. The HPS drive can operate with traditional PLC's or it can fully automate the pump system.

