

**IRONHORSE™**

LOWER YOUR LIFTING COSTS, INCREASE YOUR PRODUCTION, PROTECT YOUR EQUIPMENT AND

# YOU MAKE MORE MONEY.



The most effective, most profitable way to operate a rod pump is with a variable frequency drive and pump off control. IronHorse is the leading VFD for rod-pump applications, proven on more than 70,000 pumps. IronHorse performs, through the heat and the cold, driving up your production and driving down your lifting costs.

## **BENEFITS OF USING IRONHORSE**

### **1 LOWER YOUR LIFTING COSTS**

- Dramatically reduce your energy costs by 10-25%
- Reduce peak-demand charges, saving 10-25%
- Eliminate power factor, which can be as much as 30% of your overall bill
- Eliminate unnecessary maintenance costs
- Eliminate resheaving

### **2 INCREASE YOUR PRODUCTION**

- Run your pumps at the most efficient speed
- Match the pump to each well's inflow rate
- Eliminate pump off and shut downs for unnecessary maintenance

### **3 PROTECT YOUR PUMPING EQUIPMENT**

- Field device safety shutdowns
- Broken belt and/or parted rod under-load protection
- Reduce fluid pound and wear on rod parts



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## IRONHORSE

### STANDARD FEATURES

IronHorse includes a number of standard features that other manufacturers charge a premium for.

- NEMA type 3R outdoor-rated enclosure with sun shields and exhaust heat plenum
- Vibration switch inputs
- Field device safety shutdowns
- Broken belt and/or parted rod underload protections
- Braking IGBT for optional brake resistor
- Jammed-unit overload protection
- Regeneration control to reduce energy waste, harmonics and rod parts, all to extend the life of the rod
- Surge suppression (TVSS) standard
- 3% line reactor to protect against transient voltage and to help mitigate harmonics
- Molded-case circuit breaker disconnect for more reliable service than fused disconnects
- Built-in sun shield and cooling plenum reduces dirt contamination and ensures optimal cooling

### OPTIONAL FEATURES

- Two pump-off options: Sensorless Pump Off and Revelation Pump Off Control
- Easily accessible Modbus mapping
- Optional Integrated Passive Harmonic filter to meet IEEE-519 requirements
- GFI Outlet for auxiliary power needs: Chemical pump control, etc
- LED status signal: Running/Ready/Fault
- Extra I/O for local inputs to prevent the need for an additional PLC: Tank level, pressure inputs, etc
- Simple, easy and wide compatibility
- Optional DBR
- Leg Kit

### ACCESSORIES

#### REVELATION PUMP OFF CONTROL

Supercharge your IronHorse with the most powerful, yet easy-to-use pump off control in the market.

#### HARMONICS

We have multiple options to keep your system in IEEE-519 and EN-6100-3-2 compliance.

#### DRIVESHIELD EXTENDED WARRANTY

SPOC offers the most comprehensive extended warranty in the oil & gas industry, against even lightning. We reduce the need for onsite labor and increase your peace of mind from the unexpected.

#### TECHNICAL SUPPORT & SERVICE

Our service and engineering teams are here for you, every day, 24 hours a day, by phone, email or chat.

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