



# MOTORTRONICS™

Solid State AC Motor Control

Application


# Soft Starters for Pump Jack Applications

*Easy Setup, Save Energy, Reduce Mechanical Stress*

## Time for an Upgrade!

- Reduce Energy Cost
- Increase operating life - gearbox & moving parts
- Better control at touch of fingertip



- 
- 3.5" Full Color Touch Screen
  - 42 Application Profiles
  - Easy to setup in less than a minute
  - Full I<sup>2</sup>t Motor Overload Protection
  - Built-in iERS – intelligent Energy Recovery System
  - Internally Bypassed
  - Life Time Application Event Logging Diagnostics



# Soft Starters for Pump Jack Applications



**iERS  
Standard**



**80% more  
efficient than VFD <sup>\*1</sup>**



**0%  
Harmonics <sup>\*2</sup>**



**99.9%  
Efficiency <sup>\*2</sup>**

**Soft Starters designed for any application,  
available as stand-alone or configured panel.**

## VMX-P



- N4/12 Enclosure with Line Surge protection
- Service entrance rated
- Soft Starter (VMX-synergy™)
- Touch Screen with Logic Diagram
- Fused Switch Disconnect / Circuit Breaker Disconnect (50A & up)
- Advanced Motor Protection
- Control Power Transformer with Surge Protector
- Interposing Relay for 120V Control
- Power On Pilot Light
- E-Stop Lighted Pushbutton
- Local/Off/Remote Selector Switch (Hand/Off/Auto)
- Customer Interface with Door Mounted Touch Screen

3.5" Full Color Touch Screen, 42 Application Profiles,  
Easy to setup in less than a minute, Full I<sup>2</sup>t Motor Overload Protection,  
Automatic initial voltage function to set breakaway torque of the motor,  
Automatic Ramp Control, Auto Reset System,  
Built-in iERS – intelligent Energy Recovery System, Internally Bypassed,  
Life Time Application Event Logging Diagnostics

## VMX-synergy™



\*1. Reduces Lost Energy, 80% more efficient compared to VFD running at line frequency

\*2. With Internal bypass

### USA HEADQUARTERS

**Motortronics / Phasetronics**

1600 Sunshine Drive  
Clearwater, Florida 33765  
USA

Tel: + 727-573-1819 / 888-767-7792

Fax: + 727-573-1803 / 800-548-4104

E-mail: sales@motortronics.com

[www.motortronics.com](http://www.motortronics.com)

### UNITED KINGDOM

**Motortronics UK**

Bristow House,  
Gillard Way, Ivybridge,  
Devon, PL21 9GG,  
United Kingdom

Tel: +44 (0)1752-894554

[www.motortronics-uk.co.uk](http://www.motortronics-uk.co.uk)

### SOUTH KOREA

**Motortronics Int'l Korea Co Ltd**

#1607, 128 Gasan digital 1-ro,  
Gasan digital 1-ro,  
Geumcheon-gu,  
Seoul 08507, Republic of Korea

Tel: 82-2-867-5808

Fax: 82-2-867-6004

[www.motortronics-korea.com](http://www.motortronics-korea.com)

### CHINA

**M & P Machinery & Electronics Control**

**Part of the Motortronics Group**

32 Jiaxin Road,  
Jimo,

Qingdao, China 266229

Tel: 86-532-81725028

Fax: 86-532-81725038

[www.mp-cn.com](http://www.mp-cn.com)

### UNITED ARAB EMIRATES

**Motortronics MEA, LLC**

Sharjah Media City,  
Sharjah,  
United Arab Emirates

Tel: +1 971-50 763 4920

[www.motortronics.com](http://www.motortronics.com)

PN:MT-PUMP-JACK-080620