

Soft Starters for Pumping and Irrigation

Improved Protection, Monitoring and Process Control

Time for an Upgrade!



- Eliminate pipe damage, noise and vibration
- Reduce inrush current and undervoltage conditions during start
- Detect pump blockage, broken pipe and dry-well conditions



- 3.5" Full Color Touch Screen
- 42 Application Profiles
- Easy to setup in less than a minute
- Full I²t Motor Overload Protection
- Built-in iERS – intelligent Energy Recovery System
- Internally Bypassed
- Life Time Application Event Logging Diagnostics



- Irrigation
- Sludge Pumps
- Submersible Deep Wells
- Metering Pumps
- Booster Pumps
- Storage Tanks



Soft Starters for Pumping and Irrigation Applications



**iERS
Standard**



**80% more
efficient than VFD ^{*1}**



**0%
Harmonics ^{*2}**



**99.5%
Efficiency ^{*2}**

**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



VMX-synergy™



- 3.5" Full Color Touch Screen, 42 Application Profiles,
- Easy to setup in less than a minute, Full I²t 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

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

*2. With Internal bypass

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