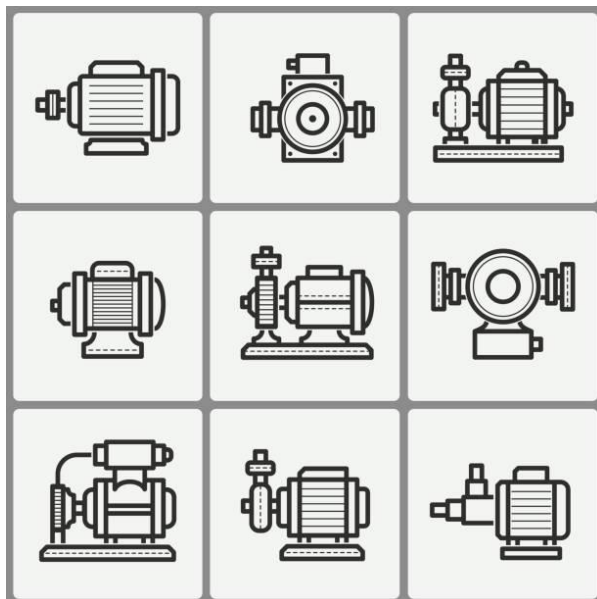


SE200 Pump Process Drive

Pump Process Control Software



The SE200 Pump Process Drive pump process control software is designed to reduce system operation and maintenance costs while increasing pump process accuracy and protection. The pump process software offers simplex or multiplex pump control while providing monitoring and protection for the pump system.



Pump Process Software can be applied to any pump system that requires constant flow or pressure control.

- Reduce System Component Cost
- Improve System Reliability
- Reduce Maintenance Costs
- Eliminate Costly Control Panels
- Reduce System Energy Requirements
- Reduce Overall Installation Costs



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Performance Features

- Adjustable accel/decel: 0-900 sec
- Torque Limiting
- Torque Boost
- Powerloss red-thru
- Fault Auto-Reset with programmable time interval
- Serial Communication loss detection
- Pump Sleep function
- Simplex or Multiplex Control
- Operator Keypad with intuitive pump language
- Local/Remote Control
- Jockey Pump Control
- Process feedback in engineering units
- Direct/Reverse PID Control Selection
- Control Setpoint by VFD keypad, Analog Input, Digital Inputs, Communication command or based on weekly schedule
- Sleep Boost Mode
- Sleep & Wake Up Mode
- Pipe Charging
- De-ragging function
- No Flow Detection
- Forced Rotation

Drive and Motor Protective Features

- Current-limited stall prevention
- Heat sink over-temp, speed fold-back
- Bi-directional start into rotating motor
- Short Circuit Protection
- Ground Fault Protection
- Motor Overload Protection
- Current Limit
- Fault Display: Last 10 Faults
- Over torque and under torque protection

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Pump Protective Features

- Dry Pump
 - Air in System
 - Blocked Impeller
 - Loss Of Prime
 - Anti Cavitation
- Pump Over Cycling
- Pipe Break Protection
 - No Flow Protection
- Pipe Obstruction Protection
- Transducer Loss
- Over Torque

Pump Process software works with the WEG CFW11 drive to control pump system processes. The software monitors the system pressure or flow and adjusts the pump speed to meet pumping requirements.

Pump Process software monitors the system pressure or flow from a feedback device and maintains its control setpoint.

- Motor faults are monitored and alarmed
- Drive faults are monitored and alarmed
- Pump faults are monitored and alarmed
- Feedback signal lost/broken wire detected and alarmed

