

# Wallace & Tiernan® Liquid Feed Systems Metering Pump Control Panel

The Wallace & Tiernan® Metering Pump Control Panel is specifically engineered and designed for control of Encore® and Chemtube® metering pumps. The panel utilizes a variable speed controller, which controls the speed of the pump's motor, and uses state-of-the-art technology. The enclosure is NEMA 4X rated with a continuous-hinged, gasketed door. It includes indication of pump status via pilot lights and a digital motor speed indicator, as well as normally closed contact for remote indication of pump run or failure. A standard disconnect switch is provided.

It has the capability of local or remote control with the use of a built-in Hand-Off-Auto switch. A 4-20mA output signal is provided for indication of pump motor speed.

The metering pump control panels are available in VFD or SCR versions. Features include:

- NEMA 4X Fiberglass enclosure
- Pump speed digital meter
- Control panel power ON pilot light
- Pump run pilot light
- Pump failure pilot light
- Main disconnect switch
- Start-stop control mode
  - Hand-Off-Auto
  - Auto mode via remote customer contact
- Pump speed control mode
  - Local - Remote
  - Local via potentiometer
  - Remote via external 4-20 mA input
- Remote stop function provision for customer-supplied contact or stop button
- Pump motor overload input monitoring
- Dry, normally open, 10-Amp contact for remote indication of pump run and failure
- Pump speed 4-20 mA output
- Spare terminal blocks
- 120 VAC, 1 Ph, 60 Hz input
- Optional UL listed panel, SCU / PCU, and diaphragm leak detection

#### Key Benefits

- Choice of variable speed controls; VFD or SCR
- State-of-the-art technology for metering pump control for existing or new installations
- Standard NEMA 4X fiberglass enclosure, stainless steel is optional
- Safe operation with standard lock-out disconnect switch
- User friendly controls
- Choice of signal or dual pump controls

#### DC Version

- Supports 1/2 HP, 3/4 HP, and 1 HP, 90 VDC motors
- Range 50:1, closed loop
- Accuracy 0.5% of base speed, closed loop

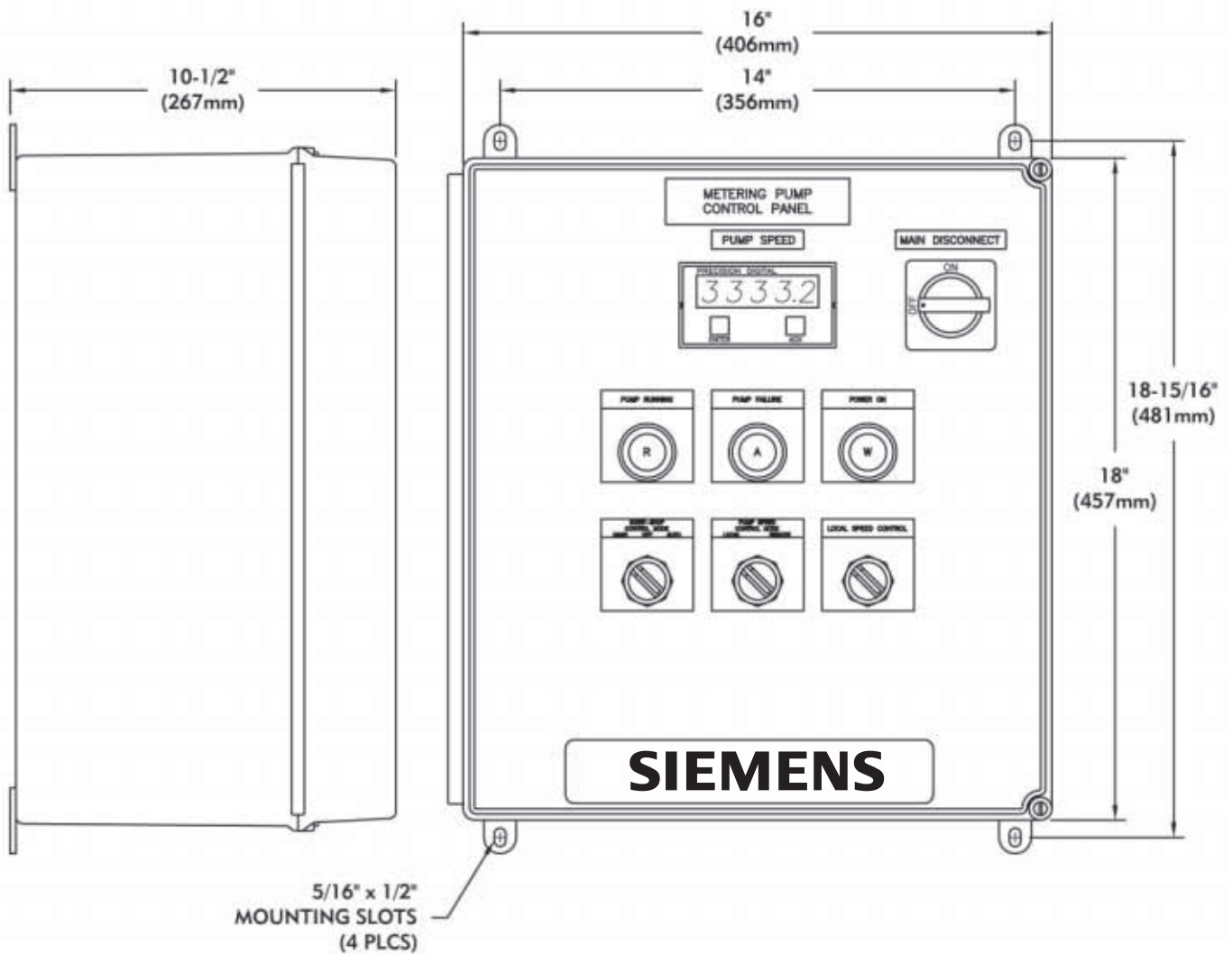
#### VFD Version

- Supports 1/2 HP, 3/4 HP, and 1 HP, 230 VAC, 3 Ph, inverter duty motors
- Range 60:1
- Accuracy 1% of base speed



## Product Sheet

## Liquid Feed System Metering Pump Control Panel \*



Enclosure Rating: NEMA 4X, Fiberglass  
Power Required: 120 VAC, 1Ph, 60 Hz

\* Note: Single pump panel shown. Consult factory for dual pump control panel dimensions.

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