CORNELL PUMP COMPANY

CO-PILOT™

REMOTE VALVE CONTROLLER

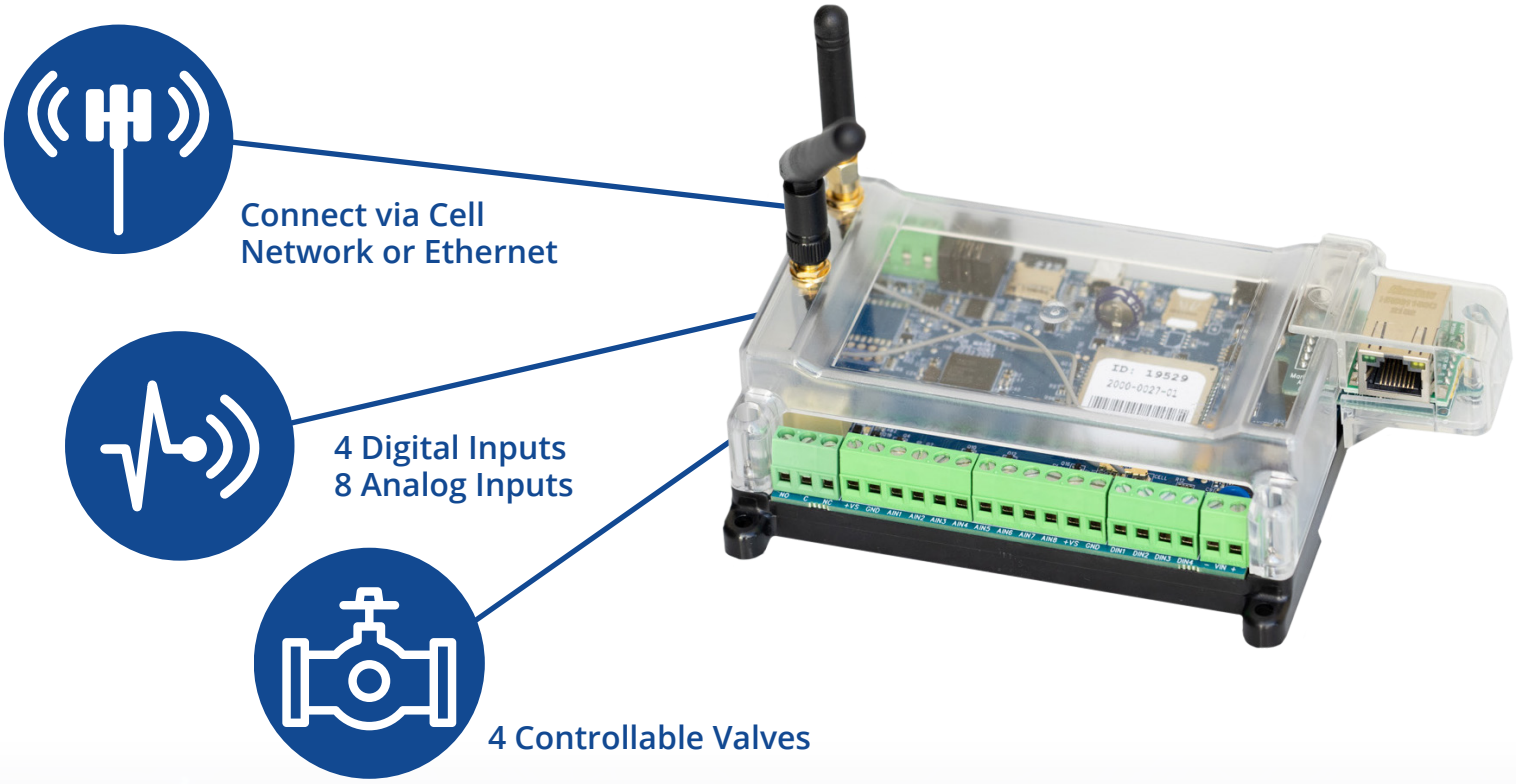
CORNELL
EFFICIENT BY DESIGN



CORNELL
Co·Pilot™

REMOTE VALVE CONTROLLER

CO-PILOT™ REMOTE VALVE CONTROLLER



CORNELL Co·Pilot™

CO-PILOT REMOTE VALVE CONTROLLER

The Co-Pilot Remote Valve Controller enhances pumping operations by seamlessly integrating valve control, providing advanced precision and flexibility. It can manage up to four 4-20 mA valve actuators simultaneously and offers precise positioning ranging from 0% to 100% using analog out signals.

This controller enables remote monitoring and control of valves, allowing users to leverage additional analog or digital inputs. In the event of a power loss, the system ensures safety by offering the option to back up valves in either open or closed positions, safeguarding personnel and equipment.

USE THE VALVE CONTROL UNIT FOR:

- Live data monitoring
- Control 4 valves with 0-100% positioning
- Monitor 4 valves
- Configure valves for power loss
- 8 total analog inputs
- 4 Optional digital inputs

COMPATIBLE VALVES

This panel empowers seamless remote control over four 4-20mA position valves. Each valve requires a dedicated power source that is compatible with 12-24VDC. By operating through 4-20mA signals, the valves can respond to commands and generate their own 4-20mA signals. This unique feature ensures that the Co-Pilot remains informed about the precise position of the valves, thereby achieving a comprehensive and efficient feedback loop.

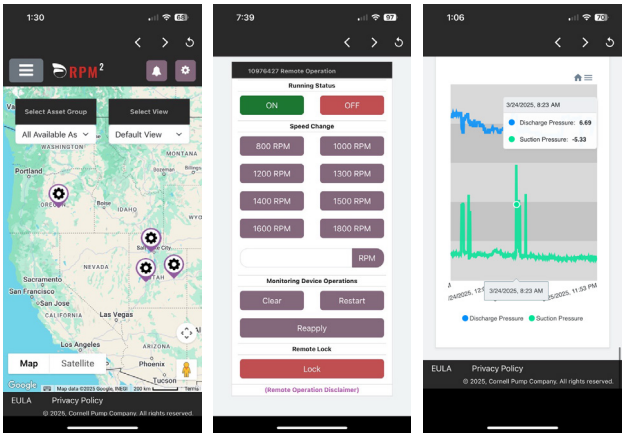
CO-PILOT USER INTERFACE ALLOWS YOU TO:

- Access historical data for all sensors
- Enable live data when needed
- Receive real-time alerting
- Integrate a valve controller into your pumping fleet

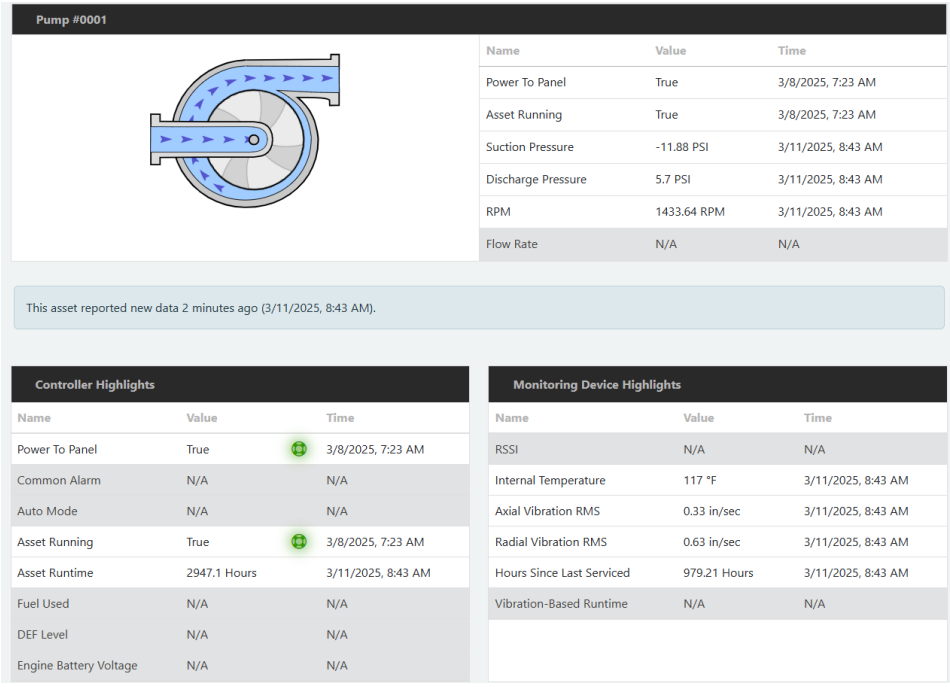
Valves sold separately.

CO-PILOT™ VALVE CONTROLLER SPECS.





Screenshots from the mobile RPM² app.



Co-Pilot desktop version screenshot.

TECHNICAL SPECIFICATIONS

COMMUNICATION

- 4G LTE cellular cloud connectivity or Ethernet
- Available on Android and iOS apps
- GPS location information

ON –BOARD MONITORING

- Modbus (RS-485)
- 4 analog outputs (4-20mA)
- 8 analog inputs (4-20mA)
- 4 optional digital inputs
- 1 relay output

EDGE COMPUTING

- Live Data (polling times under 5 sec.)
- Cloud-based automation compatible

ALERTING AND REPORTS

- Generate automatic reports
- Configurable alerts
- Voice, text, or email alerts
- Alert escalation

DIMENSIONS/ OPERATIONS/ STANDARDS

- 12.15” by 6.46” by 5.97”
- Temperatures from -22°F/ -30°C to 158°F/70°C
- UL standard upon request

POWER

- External power: 12-24 VDC
- 500mA maximum

Valves sold separately.

Get started at CORNELLPUMP.COM/CO-PILOT

CORNELL PUMP COMPANY

MARKET & PRODUCT LINE

CORNELL
EFFICIENT BY DESIGN



AGRICULTURE



FOOD PROCESS



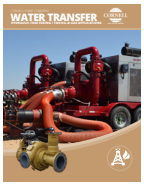
INDUSTRIAL



MINING



MUNICIPAL



WATER TRANSFER



REFRIGERATION



CONSTRUCTION



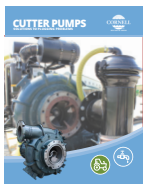
SLURRY



SLURRY SM



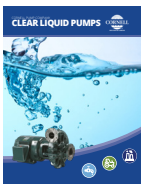
MANURE



CUTTERS



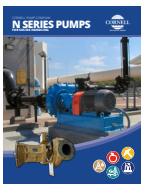
SELF PRIMING



CLEAR LIQUIDS



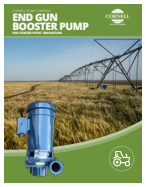
MX SERIES



N SERIES



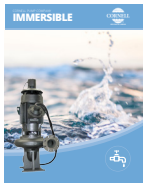
Z-SERIES



EDGE™



HYDRAULIC SUBS



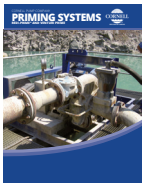
IMMERSIBLE



CD4MCU



RUN-DRY™



PRIMING SYSTEMS



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6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949; 12,270,421 B2

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