

CVD SERIES

GAS COMPRESSION & VACUUM DRIVE



SPEND LESS, OPERATE SIMPLY AND MORE EFFICIENTLY

Compressors are used in many applications for oil and gas production. They're a dependable, stable and proven technology. Variable-frequency drives can help them run even more efficiently and reliably.

SPOC VFDs are engineered to run your compressor at exactly the right speed to efficiently manage your compression application – saving electrical costs, improving productivity, eliminating wasted energy and reducing maintenance and down time on your compressor.

Ready to simplify your system, save money and boost efficiency while maximizing production? The CVD Series Drive from SPOC Automation is designed to do exactly that.

- Set up simply and run more efficiently
- Reduce your energy bill and get fast ROI
- Protect and extend the service life of your equipment
- Operate economically at target pressure
- Access comprehensive features that meet your needs
- Get remote live support from expert technicians

➤ EASY RETRIEVAL OF HISTORICAL AND PRODUCTION DATA

- Trending and run history
- Data logging with USB expandable memory
- Monitored set points
- Single-touch USB download
- Compatible with standard digital and analog signals
- Fully compatible with SPOC Automation's Well Optix or any other SCADA system

EFFORTLESS TROUBLESHOOTING

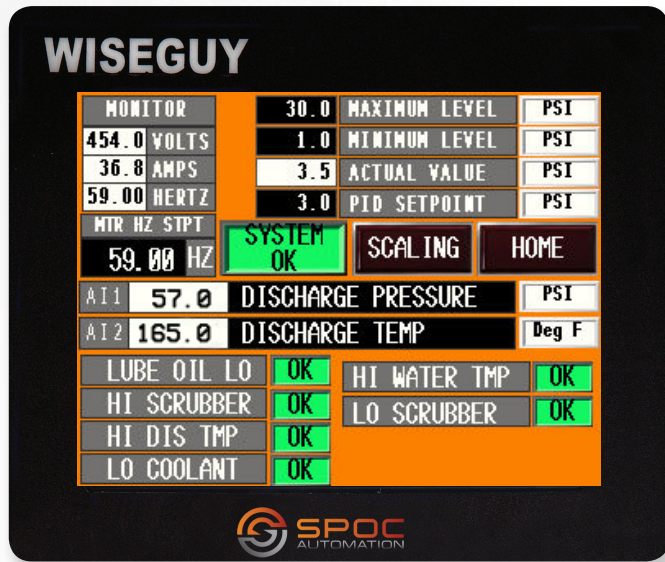
- Highly intuitive interface
- Color-coded status indications
- Fault indications in simple English – no codes to look up
- Date and time stamped fault history
- Parameter change history with date, time, technician name and parameters modified

SIMPLE INSTALLATION AND OPERATION

- Built-in automation and logic control
- Optimized compressor speed
- Pre-configured control and protection
- Pressure, temperature and vibration inputs
- Additional I/O options available
- SPOC is the undisputed leader in oil field VFD automation, with 500 years of cumulative expertise

ENVIRONMENTALLY FRIENDLY

- No carbon emissions
- Patent-pending drive enclosure designed for arc flash protection
- Reduced noise
- Requires no MSDS or hazardous materials



The WiseGuy interface allows control of a wide range of features all from one easy-to-use touch screen.

TECHNICAL DATA SPECIFICATIONS

HP Range	5-1500HP
Input Range 380 – 500 VAC***	Standard
45-66 Hz Input Frequency	Standard
Output: AC Volts maximum	Std: Input Voltage Base AFE: Input Voltage x 1.2 Max
Output Frequency Range: Hz Overload: 1 Minute (CT/VT)	0 – 320 Hz
NEMA 3R, Harsh Environment Enclosure	Standard with Sun Shield & Heat Exhaust System
Cold Weather Heater & Thermo Switch	Standard
Extreme Cold Weather Heat Kit	Optional
Listings Available	UL, cUL Optional
WiseGuy Color Touch Screen Operator Interface	Standard
Communications	Modbus RTU, TCP Standard, others available
Altitude (Maximum without De-Rate)	3300 ft. (1000m)
Line Voltage Variation	+10/-15% Standard, +10/-20% AFE Option
Efficiency	>97%
Power Factor (Displacement)	.98



INDUSTRY'S WIDEST RANGE OF DRIVES

- 5-1500HP+ available
- 240V, 480V, 600V low-voltage motors
- Three-phase and single-phase input power options available
- Low harmonic solutions available

PACKAGED FOR OIL & GAS INDUSTRY

- Engineered for the harshest conditions
- Heat exhaust systems, solar load reduction shields
- Power voltage surge protection
- Best practices on controls and protection
- Compatible with industry controllers and annunciator panels

RELIABLE, DEPENDABLE, LATEST DRIVE TECHNOLOGY

- Two-year manufacturer's warranty
- Fifth-generation drive technology
- American designed, manufactured, and tested
- Lean manufacturing process for industry's fastest shipment time



The CVD Series Drive includes all required automation equipment, eliminating the need for external PLC. It links directly with your field signals and is fully compatible with Well Optix, our remote monitoring system as well as other systems. Everything is assembled and tested before it ships to the field, so you have no need for additional installation and start-up expenses with multiple vendors.

For more information, contact us at 205.661.3642
or visit us online at spocautomation.com

