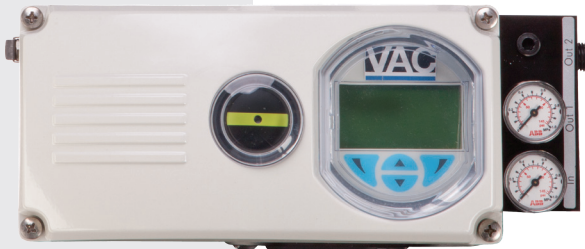




VAC D500 Advanced Digital Positioner



Reliability-proven rugged technology-vibration test specified.

Flexibility-various mounting & options-SIL 2-ESD-analog or binary feedback-alarms-micro-switches

Diagnostics-pressure sensor option for advanced diagnostics

Performance-Very high resolution, air delivery, precise positioning.

Simple-push buttons for auto-calibration & configuration, LCD-program with standard loop calibrator.

The D500 microprocessor based positioner brings the latest technology, flexibility, and user-friendly features (local push buttons and LCD display) to the operation of a pneumatic actuator and/or control valve package. A robust (Nema 4X, Ip 65) design, with excellent air delivery, uses very traditional and proven components to provide very fast, accurate, and consistent control with very low air consumption.

Optional accessories like analog or digital feedback, various switch options; an emergency shutdown module, SIL 2 approvals, "fail freeze" option and pressure sensors for advanced diagnostics make the D500 a "complete positioner package". Coupled with VAC's multiple drive adapters and extensive list of rotary or linear actuator mounting, this "combination" offers users and distribution channels a lot of flexibility and opportunities.

Specifications:

General:

Housing-Cast Aluminum standard (stainless optional)-weight 5.3 lbs.
Nema 4 X Ip 65 Hardened Epoxy resin
Temp range -40-185 F
Gauge block with gauges (standard)
Meets DIN/IEC 60068-3-3 Class III for strong and strongest earthquakes
25-270° rotation (rotary and or linear applications)
FM/CSA Intrinsically safe approvals (Atex-Gost-others) available

Inputs: Electrical

Nominal range-2 wire-4-20 mA and or Hart-5 or 7 (Supply 5-30 VDC)
Load at 20 mA 9.7 V
Impedance @ 20 mA 285 Ω
Fail Safe (standard) or Fail Freeze (optional)
Connections-1/2" NPT with Cable gland

Inputs: Pneumatic (air supply per DIN/ISO 8573-1

1/4 " NPT
0-145 PSI Supply
0.015 SCFM Air Consumption-13 SCFM Delivery @ 80 PSI

VAC D500 Advanced Digital Positioner



Rotary or Linear

Ordering Codes:

D500-Standard Unit
D500 IS-Intrinsically Safe-FM/CSA-Atex-IECEX-GOST available
S-Single Acting or D-Double Acting
N-Npt or G-Metric
D1-Namur, D2-1/2" square, D3-3/8" square, D4-round linear,
D5-double "D" Communication, NO-No communication or H-Hart

Options:

S2-Micro Switches, Prox NO, Prox NC, 4/20 Transmitter, FF-Fail Freeze,
PSEN-Pressure Sensors, RSEN-Remote Sensors, ESM-Emergency Shutdown Module,
SIL-SIL 2 Certification, CB-Cable Gland, SS-Stainless Housing

Example-D500-S-N-D1-H-4/20-FF-PSEN
Standard D500, single acting, NPT threads, Namur spindle, Hart Communication,
4-20 mA feedback, fail freeze-with pressure sensors



D500 Product Features

- Advanced diagnostics with pressure sensors.
- SIL 2 and/or Partial Stroke testing.
- Excellent air delivery with very low air consumption.
- 25 deg to 270 deg rotation
- VAC rotary or linear mounting options.
- Seismic vibration-DIN/IEC 60068-3-3 Class III for strongest earthquakes.
- Fail safe standard Fail Freeze optional.
- Stainless housing optional.



Customer Service

Equally important to quality products, VAC places a big emphasis on service; which starts with quality people. Phones are answered quickly and emails are given significant attention. Technical support is always a phone call away, with Regional Managers available for product and sales support. The D500 is an excellent product-VAC deliveries excellent support.

VAC offers additional Products in the D400, V100, or V200 series. Visit our website: www.vacaccessories.com for more details.



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