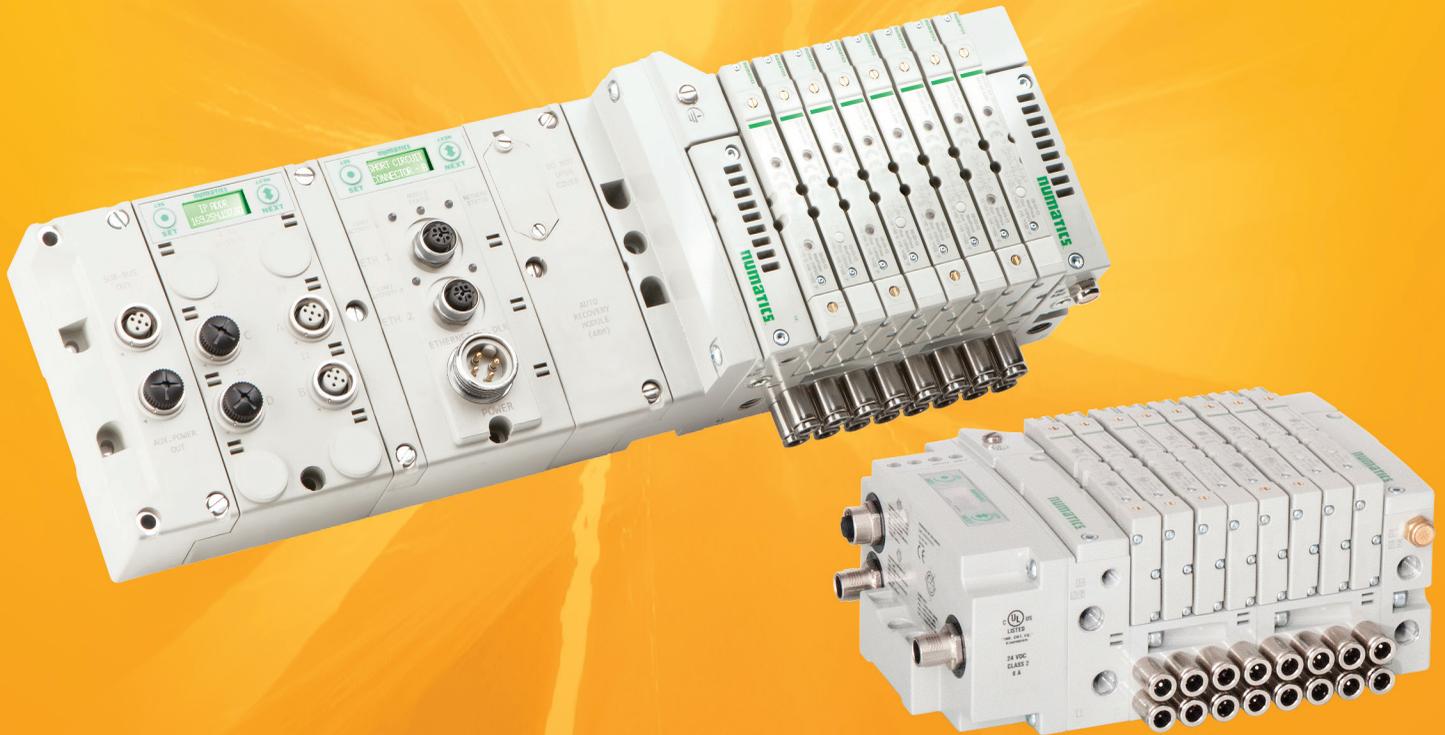


# ANNOUNCING NUMATICS NEW

# 501 Series

*Solenoid Pilot Actuated Valves*



## ***Higher flow rate. Smaller footprint.***

The Numatics 501 series: highest flow rate available in an 11mm valve.

Use the innovative new 501 series directional control valve for automation and achieve increased energy efficiency and performance for your machine designs versus traditional 15-20mm products. Advanced accessories such as a pressure regulator, a sandwich shutoff, and an accurate Numasizing® design tool efficiently optimize your pneumatic applications.

### **Benefits**

- Achieve 2x the flow rate than its predecessor
- Modular body for easy configuration and modification
- Pairs perfectly with our compact 580 versatile G3 series fieldbus electronics

Note: see reverse side for technical information



# numatics®

[www.numatics.com/501](http://www.numatics.com/501)

# 501 Series

## Solenoid Pilot Actuated Valves

### Standard Specifications

- 5 ported, 2 and 3 position, 4 Way and double 3/2 rubber packed spool
- Port Sizes: M7 Threads, 1/4, 6mm and 4mm Tubing with Push-In Fittings

### Features

- Voltage: 24 VDC +/- 10%
- Wattage: 0.8 W for DC Application
- Internal wiring with PCB only
- Simple conversion from internal to external pilot supply
- IP 65 certified
- Fieldbus Electronics

#### G3:

- Communication
- Graphic Display
- I/O
- Distribution

#### 580:

- Communication
- Graphic Display



## Performance Data

Valve Data	Min.	Max.
Pilot Pressure Range	29 PSI (2 Bar)	115 PSI (8 Bar)
Valve Operating Pressure Range	28" HG Vacuum	115 PSI (8 Bar)
Ambient Temperature Range	-10°C (-14°F)	50°C (122°F)

Value Flow Data	Cv
5/2 Single Solenoid, Spring Return and Double Solenoid	0.46
2X 3/2 NC-NC	0.45
2X 3/2 NO-NO	0.45
Double Solenoid, 3 pos, 4 way, Spring Centered - Open to 4 to 2 in center	0.46
Double Solenoid, 3 pos, 4 way, Spring Centered - Open Center	0.46
Double Solenoid, 3 pos, 4 way, Spring Centered - Closed Center	0.46

## Operating Data

All Solenoids Are Continuous Duty Rated	24 VDC
Power (Watts)	0.8

Response Time	Rubber Seal	
	Energize	Deenergize
5/2, Single Solenoid, Spring Return	14	29
5/2, Double Solenoid	11	N/A
5/3, Spring Centered	15	20
2X 3/2 NC	18	18
2X 3/2 NO	18	18

