FLUID POWER SOLUTIONS

Product Data Sheet

Electronically Enhanced Solenoid Valves

Aluminum, Brass, or Stainless Steel Bodies

Applications

- Process Market - Oil & Gas, Refining, Chemical, Power & Steam, Food & Beverage
- Industrial Market - Packaging, Agriculture, Sterilizers, Pumps & Compressors, and Dust Collectors
- Commercial Market - Food Cooking & Warming, Dish & Laundry, Commercial Cleaning, Water Purification and Conditioning

Features & Benefits

NEW - Wider 24-120V AC(50-60Hz)/DC Voltage Range reduces inventory SKUs; Also Available - 100-240V AC (50-60Hz)/DC & 12-24/DC Voltage Ranges

- Simplifies product selection and complexity - requires only three voltage ranges to cover hundreds of voltage requirements across the globe
- Lowers inventory cost by reducing the need to stock separate DC and AC products

Increased DC Performance up to 500% to match AC Ratings

- Transition from AC to DC without sacrificing performance
- Simplifies control schemes by eliminating separate AC & DC output cards

Low Power Consumption (1.5 Watts)

- Lowers component cost by allowing the use of smaller-guage wiring and downsized less costly power supplies
- Lowers energy cost up to 80% compared to standard solenoid valves in the industry

Integrated Surge Suppression

- Prolongs the life of the coil by suppressing external voltage spikes
- Provides for a more reliable infrastructure by eliminating inductive kickback
- Lowers system cost by eliminating the need for additional surge protection

Certified by EXIDA

- SIL 3 capable - Valve Series 8314, 8316, 8551 (single solenoids only)

Low Solenoid Temperature Rise

- Prolongs the life of the coil and reduces operating cost by minimizing unscheduled shutdowns

No AC Hum

- Suitable for applications requiring quiet operation

Fit for use in Rugged and Demanding Environments

- Wide ambient temperature range for cold and hot environments
- Enclosure Types 1 through 4X (IP65) for indoor and outdoor applications
- Optional Class I, Division 2 Coils available for use in hazardous locations

Solenoid Approvals

- UL, CSA and CE Directives

Flexible Electrical Connection

- Available in Leaded Wire and DIN

Asco™

EMERSON™

Specifications

Product Range			Pipe Size (in)	CV Flow (KV Flow)	Operating Pressure Differential psi (bar)	Ambient Temp. F°	Voltage
Type	Operation	Series					
2-Way	Normally Closed	262	1/8 & 1/4	0.06 to 1.00 (0.05 to 0.86)	0 to 2200 (0 to 152)	8262/8263/8314 -13˚F to 140˚F (-25˚C to 60˚C) All Other Series 14˚F to 140˚F (-10˚C to 60˚C)	24-120 AC/DC 100-240 AC/DC 12-24 DC
		263	3/8	0.35 to 0.88 (0.30 to 0.76)	0 to 540 (0 to 37)		
		030	3/4	5 (4.3)	10 to 1500 (0.7 to 103)		
		223	1/4 to 3/4	1.5 to 7.8 (1.3 to 6.7)	10 to 1500 (0.7 to 103)		
		210	3/8 to 2	3 to 43 (2.6 to 27)	0 to 300 (0 to 21)		
	Normally Open	262	1/8 & 1/4	0.06 to 0.96 (0.05 to 0.82)	0 to 1150 (0 to 79)		
		263	3/8	0.35 to 0.96 (0.30 to 0.83)	0 to 160 (0 to 11)		
		010	3/8 to 3/4	3 to 5.5 (2.6 to 4.8)	0 to 150 (0 to 10)		
		030	3/4	5.5 (4.8)	0 to 2 (0 to 0.14)		
3-Way	Normally Closed	314	1/8 & 1/4	0.05 to 0.85 (0.04 to 0.73)	0 to 300 (0 to 21)		
		320	1/4	0.05 to 0.35 (0.04 to 0.30)	0 to 750 (0 to 51)		
		317		0.2 (0.17)	5 to 150 (0.34 to 10)		
		321	1/4 & 3/8	0.8 (0.7)	10 to 200 (0.7 to 14)		
		317	3/8 to 3/4	0.2 (0.17)	5 to 150 (0.3 to 10)		
	Normally Open	314	1/8 & 1/4	0.05 to 0.85 (0.04 to 0.73)	0 to 300 (0 to 21)		
		320	1/8 & 1/4	0.05 to 0.35 (0.04 to 0.30)	0 to 825 (0 to 57)		
	Universal	314	1/8 & 1/4	0.05 to 0.85 (0.04 to 0.73)	0 to 200 (0 to 14)		
		320	1/4	0.05 to 0.35 (0.04 to 0.30)	0 to 395 (0 to 27)		
4-Way	-	345	0.09 (0.07)	0.09 (0.07)	10 to 150 (0.7 to 10)		
		344	0.8 to 5.6 (0.7 to 4.8)	0.8 to 5.6 (0.7 to 4.8)	10 to 300 (0.7 to 21)		
		551	1/4	0.86 (0.74)	30 to 150 (2.1 to 10.3)		