ASCO® RedHat® NEXT GENERATION

Electronically Enhanced Solenoid Valves

2-way, 3-way, and 4-way valves - Aluminum, Brass, or Stainless Steel

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

- **Voltage Ranging**
  Available in Three Broad Voltage Ranges: 24-120V and 100-240V AC/DC, 12-24V DC
  - Reduces inventory SKUs
  - 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
- **New - Low Power Consumption (1.0W DC and 1.5W AC/DC)**
  - Lowers component cost by allowing the use of smaller gauge wiring and downsized less costly power supplies
  - Lowers energy cost up to 80% compared to standard solenoid valves in the industry
- **New - Supervisory Current Compatible**
  - Suitable for systems employing supervisory currents not exceeding the following drop-out currents: 20mA (12-24V DC), 15mA (24-120V AC/DC), 7mA (100-240V AC/DC)
  - Also suitable for use with devices having leakage currents not exceeding the noted drop-out currents
- **New - RoHS 2 Compliant**
  - Satisfies CE Directives 2002/95/EC and 2011/65/EU (RoHS 2) with provisions for the restriction of hazardous substances
- **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
- **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
- **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 for indoor and outdoor applications
  - Optional Class I, Division 2 Coils available for use in hazardous locations
- **Solenoid Approvals**
  - UL, CSA and CE Directives (EMC and Low Voltage)

EMERSON™ Industrial Automation

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Specifications

Product Range			Pipe Size (in)	CV Flow	Operating Pressure Differential (psi)	Ambient Temp. °F (°C)	Voltage
Type	Operation	Series					
2-Way	Normally Closed	8262	1/8 & 1/4	0.06 to 1.00	0 to 2200	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
		8263	3/8	0.35 to 0.88	0 to 540		
		8030	3/4	5	0 to 3		
		8223	1/4 to 3/4	1.5 to 7.8	10 to 1500		
		8210	3/8 to 2	3 to 43	0 to 150		
	Normally Open	8262	1/8 & 1/4	0.06 to 0.96	0 to 1150		
		8263	3/8	0.35 to 0.96	0 to 160		
		8210	3/8 to 3/4	3 to 5.5	0 to 150		
		8030	3/4	5.5	0 to 2		
3-Way	Normally Closed	8314	1/8 & 1/4	0.05 to 0.85	0 to 300		
		8320	1/4	0.12 to 0.35	0 to 232		
		8317		0.2	5 to 150		
		8321	1/4 & 3/8	0.8	10 to 200		
		8316	3/8 to 3/4	2.5 to 4.8	10 to 250		
	Normally Open	8314	1/8 & 1/4	0.05 to 0.85	0 to 300		
		8320	1/8 & 1/4	0.05 to 0.23	0 to 825		
	Universal	8314	1/8 & 1/4	0.05 to 0.85	0 to 200		
		8320	1/4	0.12 to 0.35	0 to 116		
4-Way	-	8345	1/4	0.09	10 to 150		
		8344	1/4 to 1	0.8 to 5.6	10 to 300		
		8551	1/4	0.86	30 to 150		

* 8262/8263 - Optional -40°F (-40°C) low ambient temperature available