

Series 227 Poppet Valves

Compressed Air & Vacuum

Features & Benefits

The Aventics Series 227 Poppet Valves are ideal for single acting cylinders, Air Bellows, and vacuum material handling.

- High Flow, Low Cost, Rugged Design
- Use with air or neutral gas
- NPT and G tapped threads
- 2/2 Normally Closed, 3/2 Normally Closed or Open
- Solenoid or Air Pilot actuated
- Internal or External Air Pilot
- For Compressed Air or Vacuum applications
- AC & DC voltages available
- cURus Approved Coils
- 5/2 Foot Pedal actuated, with or without spring
- Mean life expectancy of 10 million cycles under normal operating conditions



Technical Specifications

Ports (NPTF)	1/8	1/4	3/8	1/2	3/4	1	1-1/2
Cv	0.84	1.56	1.80	4.80	6.10	12.00	33.50
Coil Size	22mm			30mm			
Power Consumption	5 W holding – DC 8 VA holding – AC			4 W holding – DC 9 VA holding – AC		8 W holding – DC 11 VA holding – AC	
Max Working Pressure	145 psi (10 bar)						
Min Pilot Pressure	36 psi (2.5 bar) Air actuated 43.5 psi (3.0 bar) Solenoid actuated		36 psi (2.5 bar) Compressed Air 30 psi (2.0 bar) Vacuum				
Temperature Range	23°F to 113°F (-5°C to +45°C)						

For more information:
www.Emerson.com/AVENTICS

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Construction Characteristics

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Body	Anodized Aluminum		Aluminum	Zinc Alloy		Aluminum	
Bottom Plates	n/a		Aluminum				
Actuators	Anodized aluminum		NBR				
Spool	Hardened nickel-plated steel		n/a				
Spacers	Brass		n/a				
Pistons	n/a		Aluminum				
Actuators Rod	n/a		Stainless steel				
Seals	Polyurethane + Nitrile		NBR				
Spring	Stainless steel						

Portfolio Overview



1/8



1/4, 3/8



1/2, 3/4



1



1-1/2