



100 SERIES | GENERAL PURPOSE VALVE



Spade connection option shown



Wire leads option shown



1/2" NPT male conduit connection shown

GENERAL INFORMATION

Valve Highlights

- 1/8" ports
- Normally open and normally closed flow patterns
- Molded coil for maximum protection
- DC magnetic latching available
- Thermoplastic polyester coil encapsulant

Component Material Combinations

- Zinc plated steel yoke is standard with plastic and brass valve bodies
- Stainless steel yoke is standard with stainless steel valve body
- Brass base nut is standard with plastic and brass valve bodies
- Stainless steel base nut is standard with stainless steel valve body
- Copper shading ring in AC units

Internal Components

- Stainless steel

Optional Features

- Magnetic latching – See page 23 for performance details

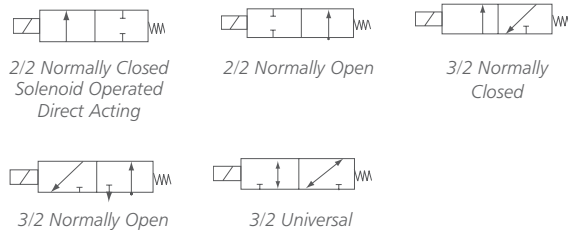
Electrical Characteristics

- Standard coil class: A (221°F/105°C)
- Power consumption: 5 watts AC, 6 watts DC
- DC voltages: 12 or 24
- AC voltages: 12, 24, 120, or 240

Operating Characteristics

- Operating temperature range: Up to 120°F/49°C
- See page 71 for maximum differential pressure

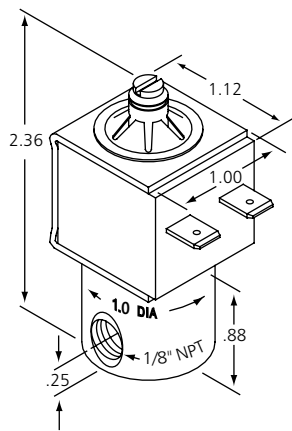
MODES OF OPERATION



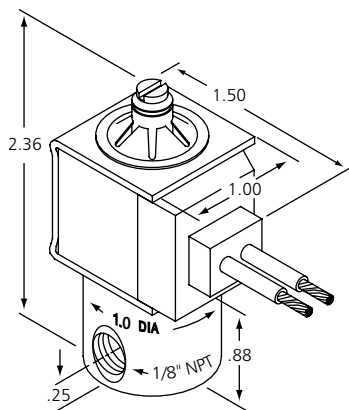
See page 74 for details on modes of operations.



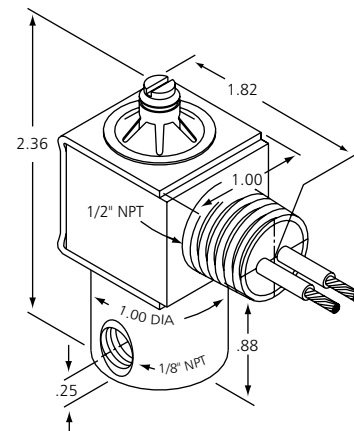
DIMENSIONAL DRAWINGS [INCHES]



Spade connection option shown

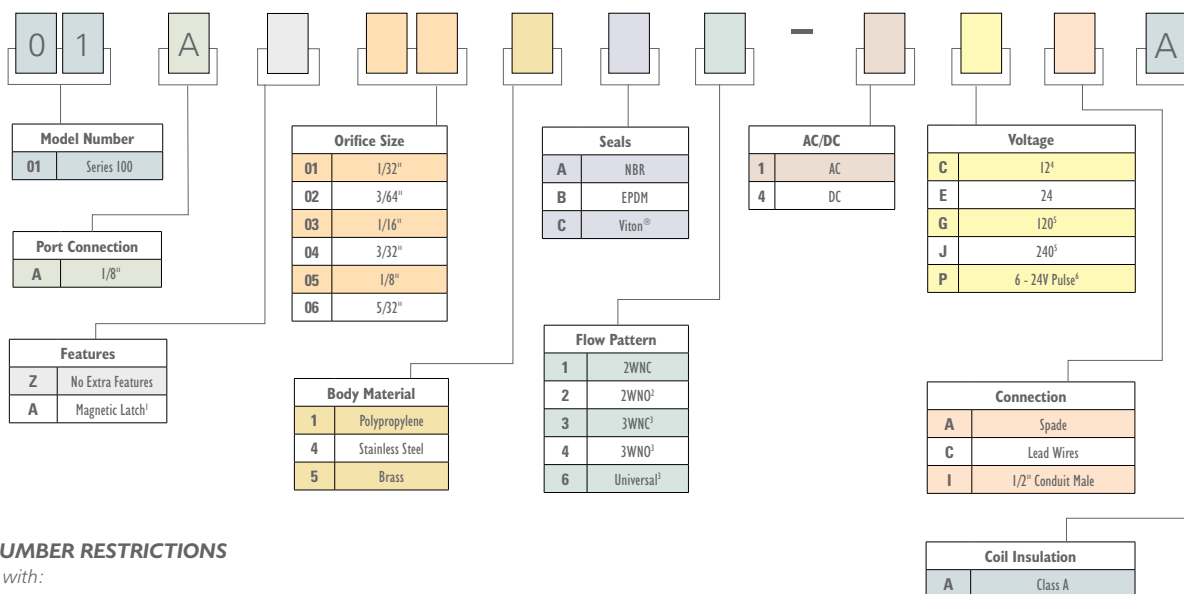


Wire leads connection option shown



1/2" male conduit connection option shown

PART NUMBER SELECTION GUIDE FOR SERIES 100



PART NUMBER RESTRICTIONS

Available with:

¹Normally closed flow patterns only, ²1/32", 3/64" & 1/16" orifice sizes only,

³1/32", 3/64" 1/16" & 3/32" orifice sizes only, ⁴DC only, ⁵AC only, ⁶Must choose P when choosing Magnetic Latch, Feature A

STANDARD FLOW DATA

FLOW-H2O (GPM)

NOMINAL ORIFICE DIAMETER	MAXIMUM GPM WATER FLOW						
	10PSI	25PSI	50PSI	100PSI	150PSI	200PSI	250PSI
1/32 (.031)	0.06	0.10	0.14	0.20	0.24	0.28	.032
3/64 (.047)	0.15	0.24	0.35	0.46	0.61	0.70	0.80
1/16 (.063)	0.24	0.38	0.56	0.80	0.98	1.12	1.28
3/32 (.094)	0.51	0.82	1.19	1.70	2.05		
1/8 (.125)	0.84	1.34	1.96	2.80			
5/32 (.156)	1.19	1.90					

FLOW-AIR (SCFM)

NOMINAL ORIFICE DIAMETER	MAXIMUM SCFM AIR FLOW						
	10PSI	25PSI	50PSI	100PSI	150PSI	200PSI	250PSI
1/32 (.031)	0.30	0.56	0.80	1.70	2.10	2.70	3.30
3/64 (.047)	0.75	1.40	2.00	3.50	5.25	6.75	8.25
1/16 (.063)	1.20	2.24	3.20	5.60	8.40	10.80	13.20
3/32 (.094)	2.55	4.76	6.80	11.90	18.60		
1/8 (.125)	4.20	7.84	11.20	19.60			
5/32 (.156)	5.93	11.06					

For additional flow and pressure information, including three way orifice flow rates, please refer to page 71.

CUU facility is ISO9001 Quality System, and ISO14001 Environmental System certified. Refer to page 70 for details.