


SERIES 58 MODEL 582

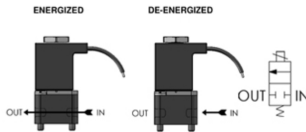


2-WAY NORMALLY CLOSED

Easily interfaced with circuit boards and miniaturized components. The versatility is for connecting electronic signals to pneumatic outputs. The small size is ideal for stand alone (with #10-32 UNF-2B ports) or multiple valves mounted on one manifold. Air and other common gases — filtration recommended — 30 microns or less.

- May be used to "pilot" larger valves.
- Ideal for micro electronic production equipment.
- Great for medical and chemical analytical applications.
- Can operate directly from most programmable controllers.
- High quality engineering.

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Specifications

Drawings

Flow Chart Tab

Nomenclature Tab

MAX. OPER. PRESS. DIFF. DC	ORIFICE SIZE N.C.	CV FACTOR N.C.	VALVE NUMBER LEADWIRE
300	0.6 mm	.010	582A19DGM
250	0.8 mm	.020	582F19DGM
150	1.0 mm	.030	582M19DGM
135	1.2 mm	.034	582W19DGM
100	1.4 mm	.054	582Y21DGM*
25	1.6 mm	.064	582J21DGM*

* Stainless Steel Bodies

Ordering Information:

When ordering valves or repair packs add voltage and frequency to complete valve number. for examples: valve (582M19DGM 120/60) repair pack (K582M19 AC)

When ordering operators add the letter "O" to the front of the valve number, replace body port number with the letter "D": example: operator (O582MDDGM 120/60)

Operating Conditions:

Media:	Air and other common gases — filtration recommended — 30 microns or less.
Valve Temperature Range:	Standard Valves - 5°F (-15°C) to 122°F (50°C) ambient; media.
Maximum Operating Pressure Differentials:	See table above.
Burst Pressure:	1500 PSI
Leakage:	Bubble tight for standard valves.
Vacuum:	To 5 Microns*

Electrical Characteristics:

Coil Voltage:	12, 24/DC
Nominal Power:	DC — 3.5 Watts
Coil Construction:	Molded Class A with leadwires.
Typical Response Time on Air:	DC — 9 Milliseconds
Operating Speed:	Up to 1000 CPM
Duty Cycle:	Continuous

Mechanical Characteristics :

Body:	Polyester Plastic (Std.), Stainless Steel (Opt.)
Internal Components:	Stainless Steel
Elastomers:	Nitrile (Buna) (Std.). Many other elastomers available.*
Orifice Diameter:	See table above.
Porting:	#10-32 UNF-2B
Life Expectancy:	Millions of cycles, depending on application, lubrication, etc.
Valve Weight:	0.13 lbs
Repair Packs:	See table above.
Options:	Round Stainless Steel, Male Stud Mount, and Manifold Mount*

* Consult representative or factory for options and specifications