SERIES S58 Uprated Pressure Sub-Miniature Valves (3.5 watts)

Meet today's demands for economy of space and energy consumption.

APPLICATION:

The Series S58 can be easily interfaced with circuit boards and miniaturized components. The versatility is for connecting electronic signals to pneumatic ouputs. The small size is ideal for stand alone (with #10-32 ports) or multiple valves mounted on one manifold. May be used to "pilot" larger valves. These valves are ideal for micro electronic production equipment and medical or chemical analytical applications and can operate directly from most programmable controllers.

SPECIFICATIONS—

OPERATING CONDITIONS

Media: Air and other common gasses - filtration recommended - 30 microns or less.

Valve Temperature Range: Standard Valves - 5°F (– 15°C) to 122° F (50° C) ambient; media. Optional valves.

Maximum Operating Pressure Differentials: See catalog listings

Burst Pressure: 1500 PSI

Leakage: Bubble tight for standard valves

Vacuum: To 5 Microns - Consult factory

Coil Voltage: 6 to 220 VAC 50-60 HZ.– 2 to 150 VDC. All standard voltages (U.S. & Export) carried in stock. Special voltages readily produced on order.

ELECTRICAL CHARACTERISTICS

Nominal Power:

Series	Watts
S58	3.5

Coil Construction: Molded

Typical Response Time on Air: AC - 3 TO 9 ms. DC - 9 ms.

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Material: Moving parts - stainless steel
Body - stainless steel or brass
Seals - Nitrile (Buna N) Standard. FKM EPDM ® Optional.

Orifice Diameter: See catalog listings

Porting: 10-32 Thd., stud mount

Housing: Metal Housing with flying leads

Life expectancy: Millions of cycles, depending on application, lubrication, etc.

Valve Weight: 2 3/4 oz

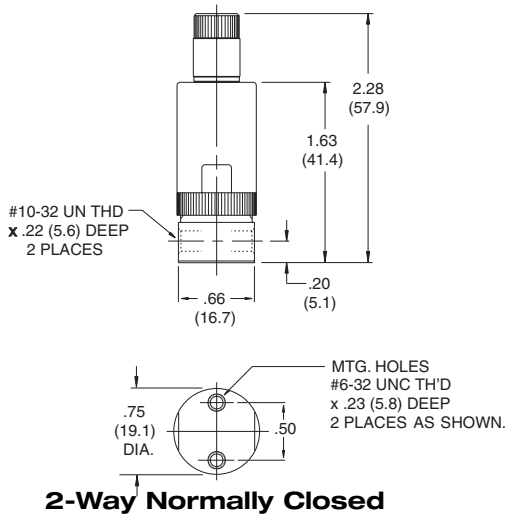
Repair Packs: Consult factory

Options: **Stainless Steel or Brass Body**
Stainless Steel or Brass 10-32 Thd. Stud Mount.

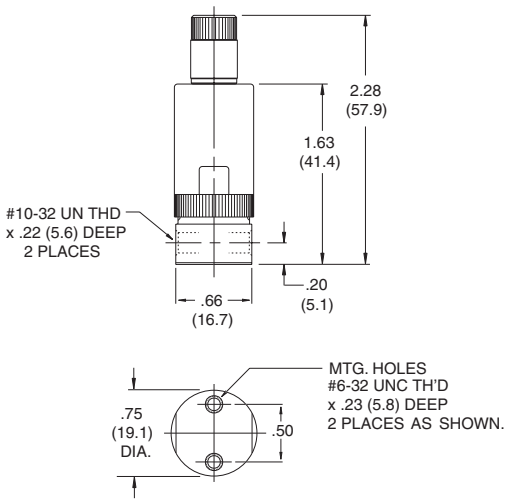
FOR FLOW CHARTS SEE PAGES 95-97
For numbering system chart see page 105

MINIATURE SOLENOID VALVE OPERATORS

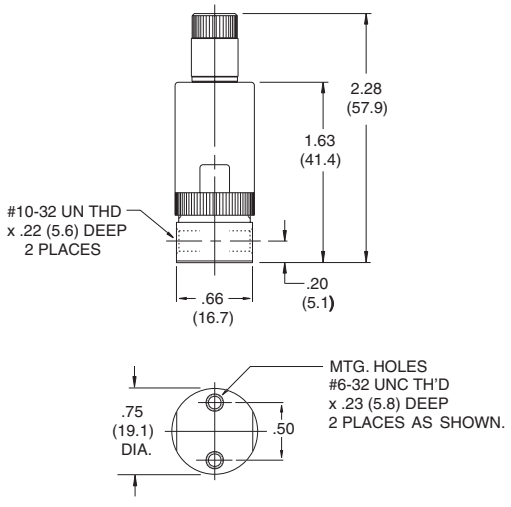
A complete line of valve operators for O.E.M. applications are offered for those who wish to incorporate them in their own product line. Full technical information and details are available from Peter Paul.



2-Way Normally Closed

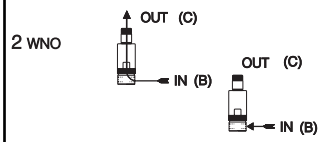
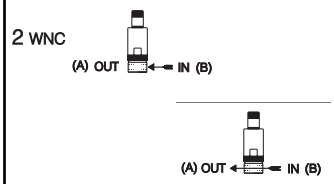
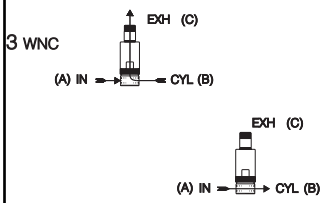
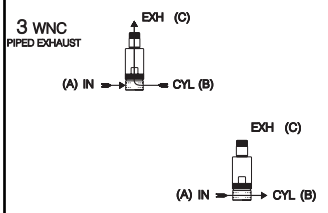
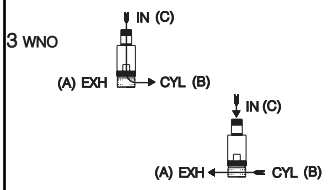
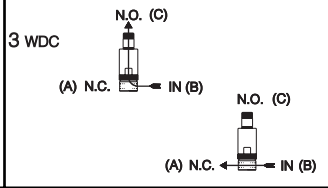
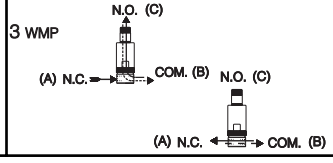


3-Way Normally Closed Exhaust to Atmosphere



3-Way Normally Closed Piped Exhaust

SOLENOID VALVES . . .

Model Type	FLOW CONFIGURATION	Maximum Operations Pressure Differential		Orifice Size		CV Factor		Lead Wire Unit
		AC	DC	Inlet	Exhaust	Inlet	Exhaust	
Series 58 Model S581 2 Way Normally Open	DE-ENERGIZED ENERGIZED 		500 500 150 150		.6 MM .8 MM 1.0 MM 1.2 MM		0.010 0.020 0.030 0.040	S581A21PG S581F21PG S581M21PG S581W21PG
Series 58 Model S582 2 Way Normally Closed	DE-ENERGIZED ENERGIZED 		500 500 350 250 200 150	.6 MM .8 MM 1.0 MM 1.2 MM 1.4 MM 1.6 MM		0.010 0.020 0.030 0.034 0.054 0.064		S582A21DG S582F21DG S582M21DG S582W21DG S582Y21DG S582J21DG
Series 58 Model S583 3 Way Normally Closed Exhaust to Atmosphere	DE-ENERGIZED ENERGIZED 	300 300 250 145 100	380 380 310 150 150 100 100 100 100	.6 MM .6 MM .8 MM .8 MM 1.0 MM 1.0 MM 1.2 MM 1.4 MM 1.6 MM	.6 MM .8 MM .8 MM 1.0 MM 1.0 MM 1.2 MM 1.2 MM 1.2 MM 1.2 MM	0.010 0.010 0.020 0.020 0.030 0.030 0.034 0.034 0.054 0.060	0.010 0.020 0.020 0.030 0.030 0.034 0.034 0.034 0.034 0.034	S583AA21DG S583AF21DG S583FF21DG S583FM21DG S583MM21DG S583MW21DG S583WW21DG S583YW21DG S583JW21DG
Series 58 Model S583 3 Way Normally Closed Piped Exhaust	DE-ENERGIZED ENERGIZED 	300 300 250 145 100	380 380 310 150 150 100 100 100 100	.6 MM .6 MM .8 MM .8 MM 1.0 MM 1.0 MM 1.2 MM 1.4 MM 1.6 MM	.6 MM .8 MM .8 MM 1.0 MM 1.0 MM 1.2 MM 1.2 MM 1.2 MM 1.2 MM	0.010 0.010 0.020 0.020 0.030 0.030 0.034 0.034 0.054 0.060	0.010 0.020 0.020 0.030 0.030 0.034 0.034 0.034 0.034 0.034	S583AA21PG S583AF21PG S583FF21PG S583FM21PG S583MM21PG S583MW21PG S583WW21PG S583YW21PG S583JW21PG
Series 58 Model S584 3 Way Normally Open	DE-ENERGIZED ENERGIZED 		145 100 65 50 50 50	.6 MM .8 MM 1.0 MM 1.2 MM 1.2 MM 1.2 MM	.6 MM .8 MM 1.0 MM 1.2 MM 1.4 MM 1.6 MM	0.010 0.020 0.030 0.034 0.054 0.060	0.010 0.020 0.030 0.034 0.054 0.060	S584AA21PG S584FF21PG S584MM21PG S584WW21PG S584WY21PG S584WJ21PG
Series 58 Model S585 3 Way Directional Control	DE-ENERGIZED ENERGIZED 		350 200 150 135 75 70	.6 MM* .8 MM* 1.0 MM* 1.2 MM* 1.4 MM* 1.6 MM*	.6 MM .8 MM 1.0 MM 1.2 MM 1.2 MM 1.2 MM	0.010 0.020 0.030 0.034 0.054 0.060	0.010 0.020 0.030 0.034 0.034 0.034	S585AA21PG S585FF21PG S585MM21PG S585WW21PG S585YW21PG S585JW21PG
Series 58 Model S586 3 Way Multipurpose	DE-ENERGIZED ENERGIZED 		145 90 55 23	.6 MM* .8 MM* 1.0 MM* 1.2 MM*	.6 MM .8 MM 1.0 MM 1.2 MM	0.010 0.020 0.030 0.034	0.010 0.020 0.030 0.034	S586AA21PG S586FF21PG S586MM21PG S586WW21PG

*Normally closed port