

100 SERIES

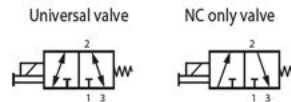
The MAC 100 Series is a direct solenoid operated 3-way poppet valve. It features a short stroke solenoid, a balanced poppet and a powerful return spring. These features translate into high shifting forces, fast consistent response times and long life. Our unique balanced design means versatility in piping - the valve can be configured as a 3-way or 2-way - normally closed or normally open, or can be used for vacuum, diverter or selector applications. For more info regarding voltage, plug options, & certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

Stock Part Number: 117B-50-1BA

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 NO-NC, 2/2 NO-NC	1/8"-1/4"	0.18 Cv	Vac. to 150PSI	Inline

OPERATIONAL BENEFITS

- Balanced poppet, immune to variations of pressure.
- Short stroke with high flow.
- The patented solenoid develops high shifting forces.
- Powerful return spring.
- Manual operator standard on all valves.
- Burn-out proof solenoid on AC service.



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 1 2 3 4 5

1 - Valve Function

- 1 Universal Ind. Inline
- 3 3 Way Universal Manifold
- 8 Stacking Models

2 - Port Size/Body Size

- 0 Manifold Valve Less Base
- 6 1/8" BSPP Inline or Universal Stacking or Manifold
- 7 1/4" BSPP Inline or Universal Stacking
- 8 1/8" BSPP Stacking, 3 Way N.C. Only
- 9 1/4" BSPP Stacking, 3 Way N.C. Only

3 - Voltage

AC Voltage	DC Voltage
11 120/60, 110/50	50 24VDC (6W)
22 24/50-60	55 12VDC (6W)
26 400/50	57 12VDC (2.5W)
39 240/50	59 24VDC (2.5W)
*Further Options Available	60 12VDC (8.5W)
	61 24VDC (8.5W)

4 - Manual Operator Indicator Lights

- 0 No Operator
- 1 Non-Locking Recessed (Std.)
- 2 Locking Recessed
- 3 Non-Locking Extended
- 4 Locking Extended

5 - Enclosure

- BA Grommet, Flying 18" Lead
- CA Conduit 1/2" NPS
- JA Square - No Light
- JB Rectangle - No Light
- JC Square w/Light
- JD Rectangle w/Light

Mod. No.	Description	Model Availability
CLS F	Class F Coil	All Voltages
T65 C	For Ambient Temperatures up to 65 degrees C	All Models
044 9	For long extended energisation applications	Solenoid Models

100B Accessories

106	1/8" Add-A-Unit Base	M-01002-01P	Conduit Box End Plate Kit
A2-5004-01P	Manifold End Plate Kit	N-01003	Stacking Inlet Isolator Plate
A2-8002	Mounting Bracket	N-01004	Stacking Exhaust Isolator Plate
M-01001-01P	Stacking End Plate Kit		

Modifications 100B

0004	For all Bottom and Side Ports (Manifold Base)	0389	Rotate Cover 180°
0009	For all Bottom and Side Cylinder Ports (Manifold Base)	416F	Pre-Wire Option 10 Ft. Cord
0210	Additional Bottom Inlet (Manifold and Stacking)	416Y	Pre-Wire Option 6 Ft. Cord
0300	5-Pin Plug-In Connector	0449	Extended Solenoid Energization
300B	3-Pin Plug-In Connector	CLS F	High Temperature Coil Option
313P	Inlet Isolation (Manifold Base)	R PTE	Energize Repeatability
313E	Exhaust Isolation (Manifold Base)	T65 C	Ambient Temperatures Up to 65°C (150°F)