

The MAC 69 series is a 3-way balanced spool valve piloted by a small direct operated 4-way solenoid pilot - a one-off in air valve manufacturing. The 4-way pilot means a low minimum operating pressure - no pistons or springs - and minimal resistance to shifting. The balanced design in the pilot means shifting forces are constantly high and response times are repeatable regardless of inlet pressure fluctuations. For more information regarding certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

Stock Part Number: 69A-A1A-EAB-JDA0-2JD

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 & 2/2 NO-NC	1 1/2"-2"-2 1/2"	60.0 Cv	Ext. Vac. to 120PSI Int. 20 to 120PSI	Inline

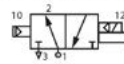
OPERATIONAL BENEFITS

- The 4-way pilot develops maximum shifting force both ways.
- Balanced spool, immune to variations of pressure, also provides high flow.
- Short stroke with high flow.
- Bonded spool with minimum friction, shifting in a glass-like finished bore.
- Pilot with balanced poppet, high flow, short and consistent response times.
- Wiping effect eliminates sticking and contamination.

Single Operator N/C Valve



Single Operator N/O Valve



69 SERIES

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69A - X X - X X X - J XX X - X XX (-G)
T T T T T T T T T T T
 1 2 3 4 5 6 7 8 9 10 11

1 - Spool Type

- A Single Operator - Normally Closed
- C Single Operator - Normally Open

2 - Spool Return

- 1 Standard Return

3 - Port Size & Thread Type

- D 1 1/2" BSPPL E 2" BSPPL
- F 2 1/2" BSPPL M O-Ring Mount

4 - Pilot Exhaust / Remote Air

- A Standard Pilot Exhaust
- B Pilot Exhaust Out Main Exhaust

5 - Internal / External Pilot

- A Internal Pilot
- B External Pilot

69 SERIES - SOLENOID OPTIONS

J XX X - X XX (-G)
T T T T T T
 6 7 8 9 10 11

6 - Operator

- J Solenoid

7 - Voltage

- AA 240/50
- AC 24 VAC (54W) (Req: Electrical Cover w/ Rectifier)
- DA 24 VDC (54W) DB 12 VDC (54W)
- DC 24 VDC (24W) DD 12 VDC (24W)
- DE 24 VDC (1.8W) DF 12 VDC (1.8W)

8 - Lead Wire Length

- 0 No Leads Wires A 18" Leads

9 - Manual Operator

- 0 No Operator 1 Non-Locking Recessed
- 2 Locking Recessed 3 Non-Locking Extended
- 4 Locking Extended

10 - Electrical Cover Connection

- BA Flying Leads
- JB Rectangular Connector - No Light
- JD Rectangular Connector w/ Light
- KD Mini Plug-In w/ Light

11 - Ground

- G Ground Pin/Wire

Pilot Valve

- 46A-111-JXXX-XXX(G)