

The MAC 68 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 consistently 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.

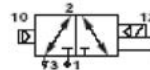
Stock Part Number: 68A-A1-EAA-JDAA-1BA

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 & 2/2 NO-NC	1"-1 1/4"-1 1/2"	31.0 Cv	Ext. Vac. to 150PSI Int. 20 to 150PSI	Inline

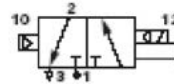
OPERATIONAL BENEFITS

- The 4-way pilot develops maximum shifting forces both ways.
- Balanced spool, immune to variations of pressure, highflow.
- Bonded spool with minimum friction, shifting in a glass like finished bore.
- Pilot with balanced poppet, high flow, and short response times.

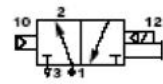
Single Operator Universal Valve



Single Operator N/C Valve



68 SERIES
Single Operator N/O Valve



68 SERIES

68A - X X - X X X - J XX X - X XX (-G)
 1 2 3 4 5 6 7 8 9 10 11

1 - Spool Type

- A Single Operator - N/C C Single Operator - N/O
- G Single Operator - Universal Spool

2 - Spool Return

- 1 Standard Return

3 - Port Size & Thread Type

- D 1" BSPP E 1 1/4" BSPP
- F 1 1/2" BSPPL M O-Ring Mount - Bottom Port

4 - Pilot Exhaust

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

5 - Internal / External Pilot

- A Internal Pilot
- B External Pilot

68 SERIES - SOLENOID OPTIONS

J XX X - X XX (-G)
 6 7 8 9 10 11 - When ground is required

6 - Operator

- J Solenoid

7 - Voltage

- AA 240/50 AC 24 VAC (54W)
- DA 24 VDC (54W) DB 12 VDC (54W)
- DE 24 VDC (1.8W) DF 12 VDC (1.8W)

*Requires Electrical Cover w/ Rectifier

8 - Lead Wire Length

- 0 No Lead 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 Connect (No Light)
- JD Rectangular Connector (w/ Light)
- KD DIN Plug (w/ Light) KA Mini DIN Plug - (No Light)

Pilot Valve (For Standard Pilot Exhaust)

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

68 SERIES - (REMOTE AIR)

68A - X X - X X X - XX
 1 2 3 4 5 6 - When ground is required

1 - Spool Type

- A Single Operator - N/C B Double Operator - N/C
- C Single Operator - N/O D Double Operator - N/O

2 - Spool Return

- 3 Sgl. Remote Air (w/ Air Spring Return)
- 4 Dbl. Remote Air

3 - Port Size & Thread Type

- D 1" BSPP E 1 1/4" BSPP
- F 1 1/2" BSPP M O-Ring Mount - Bottom Port

4 - Configuration

- R Remote Air

5 - Internal / External Pilot

- A Internal Pilot B External Air Spring or Double Remote Air

6 - Internal / External Air Spring

- RA Single Remote Air w/Internal Air Spring Return or Double Remote Air
- RE Single Remote Air w/External Air Spring Return