

# 54 SERIES

The MAC 54 series is a 3-way balanced spool valve piloted by a small direct operated balanced poppet valve. This is an extremely versatile valve: **1:** It can be converted for use in vacuum. **2:** It can be changed from a normally closed function to a normally open function. Huge flow in a compact package size is the best way to describe this valve. **3:** It can also be converted to a remote air operated valve by removing the solenoid pilot assembly - just to name a few. For more information regarding certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

**Stock Part Number:** 54A-AA-000-DM-DDAJ-1JM

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 NO-NC	3/8"-3/4"	4.1 Cv	Ext. Vac to 120PSI Int. 20 to 120PSI	Inline



## 54 SERIES

54A - X X - X X X - XX - DXX X - X XX  
 1 2 3 4 5 4 Way pilot Valve (below)

### 1 - Function

- O Base Only
- B Single op. N/O Non Plug In
- D Single op. N/O Plug In
- A Single op. N/C Non Plug In
- C Single op. N/C Plug In

### 2 - Body Type

- O Base Only
- A Base mount Body Internal Pilot
- B Base mount Body - Ext. Pilot (12 End)
- C Base mount Body - Ext. Pilot (10 End)
- E\* Base mount Body - Int. Pilot (Pilot Exh. out main exh.)
- F\* Base mount Body - Ext. Pilot (12 End (Pilot Exh. out main exh.))
- G\* Base mount Body - Ext. Pilot (10 End (Pilot Exh. out main exh.))

\*Note: Must use "DU" Pilot Body - Main exhaust cannot be restricted

### 4-WAY PILOT VALVE

XX - DXX X - X XX  
 6 7 8 9 10

### 6 - Pilot Style

- DM Muffled Exhaust
- DU Universal Pilot, Pilot exhaust out main exhaust
- DP Piped Exhaust

### 7 - Voltage

- JA 120/160, 110/50 (2.9w)
- JF 240/50 (2.8w)
- DB 12VDC (54w)
- DF\* 12VDC (12.7w)
- FB 24VDC (1.8w)
- FF 24VDC (24w)
- JC 24/60, 24/50 (3.7w)
- DA 24VDC (54w)
- DE\* 12VDC (12.7w)
- FA 12VDC (1.8w)
- FE 12VDC (24w)

### 8 - Lead Wire Length plug-in Valve Base

- J Plug-In, Non Plug-In valve/Base
- A 18" Flying Lead

### 3 - Port Size And Thread Type

- O Base Mount
- D 3/8" BSPPL
- E 1/2" BSPPL
- F 3/4" BSPPL

### 4 - Base Type & Configuration

- O Base Mount
- 1 Individual Base side ports - Non Plug-In
- 2 Individual Base Bottom cyl. port (No side cyl. port)

### 5 - Base Type

- O Valve Only
- B Plug In Base
- A Non Plug In Base

### 9 - Manual Operator

- 0 No manual operator
- 1 Recessed non locking operator
- 2 Recessed locking operator
- 3 Ext. non locking operator
- 4 Extended locking operator

### 10 - Electrical Connection Non Plug-In Valve/Base

- BA Grommet
- CA Conduit 1/2"NPS
- External Plug-In Valve
- FM Plug-In
- JD Rect. Plug-In w/ Light
- JA Square Plug-In No Light
- JJ Square Male Only
- KD\* Mini Plug-In w/ Light
- JB Rect. Plug-In - No Light
- JM Rect. Male On
- JC Square Plug-In w/ Light
- KA Mini Plug-In no Light
- KJ Mini Plug-In Male Only

\*M.O.V., Diode & Light are in female connector in these options.

\*Further Options Available

## 54 SERIES DOUBLE REMOTE AIR

54A - X X - X X X - RA  
 1 2 3 4 5

### 1 - Function

- O Base Only
- E Dbl. Oper. N/C
- F Dbl. Oper. N/O

### 2 - Body Type

- O Base Only
- D Remote Air

### 3 - Port Size And Thread Type

- O Valve Only
- D 3/8" BSPPL
- E 1/2" BSPPL
- F 3/4" BSPPL

### 4 - Base Type & Configuration

- O Valve Only
- 1 Indiv. Base Side Ports
- 2 Indiv. Base Bottom Cyl. Port Only (No side Cyl. Port)

### 5 - Base Type

- O Valve Only
- C Remote Air