

The MAC 52 series is a 3-way balanced spool valve pilot operated by a small direct operated 4-way solenoid valve - a one-off in air valve manufacturing. The 4-way pilot results in a low minimum operating pressure - no pistons - 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 please ask our team at Mac Valves Pacific.

Stock Part Number: 52A-14-D0A-DM-DDBJ-1JD

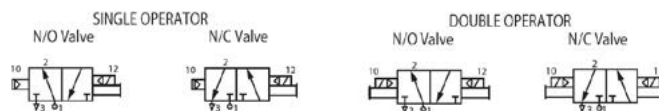
Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 & 2/2 NO-NC	1/8" - 1/4"	1.5 Cv	Int. 20 to 120PSI, Vac 120 Ext. Pilot 120PSI	Inline

OPERATIONAL BENEFITS

- The 4-way pilot develops maximum shifting force both ways.
- Memory spring available.
- 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.
- Long service life.



52 SERIES



52 SERIES

52A - $\begin{matrix} X & X & X & X & X & X \\ \hline 1 & 2 & 3 & 4 & 5 & 6 \end{matrix}$ - $\begin{matrix} D & X & X & X & X \\ \hline 7 & 8 & 9 & 10 \end{matrix}$

1 - Spool Type - Valve Function

- 1 Single operator, N.C. main
- 2 Double operator, N.C. main
- 3 Single operator, N.O. main
- 4 Double operator, N.O. main

2 - Body Type

- 1 Inline 3-port
- 3 Manifold Body
- 4 Inline 3-port with memory spring
- 6 Manifold body with memory spring

3 - Port Size And Thread Type

- C 1/8" BSPPL
- D 1/4" BSPPL

4 - Body Configurations

- 0 Inline

5 - Internal/External Pilot

- A Internal pilot
- B External pilot

6 - Pilot Body

- DM Muffled Exhaust DP Piped Exhaust

52 SERIES - DM PILOT OPTIONS

DM - $\begin{matrix} D & X & X & X & X & X \\ \hline 7 & 8 & 9 & 10 \end{matrix}$

7 - Voltage

JA 120/60, 110/50	JC 24/60, 24/50
JF 240/50	DA 24 VDC (54W)
DB 12 VDC (54W)	DE 12 VDC (12.7W) (MOD CLSF ONLY)
FA 12 VDC (1.8W)	DF 24 VDC (12.7W) (MOD CLSF ONLY)
FF 24 VDC (2.4W)	JF 240/50 (2.8w)

*Further Options Available

8 - Lead Wire Length

- A 18" Coil Leads J External Plug-In Connector
- * Longer leads available on request

9 - Manual Operator

- 0 No operator
- 1 Non-locking manual operator
- 2 Locking manual operator
- 3 Non-locking extended operator
- 4 Locking extended operator

10 - Electrical Connector

BA Grommet	JB Rectangular plug-in
JD Rectangular plug-in with light	JM Rectangular male only
JA Square Plug-In	JC Square Pug-In with light
JJ Square Male Only	KA Mini plug-in
KB Mini plug-in with diode	KC Mini plug-in w/M.O.V.
KD Mini plug-in with light	KE Mini plug-in w/light & diode
KF Mini plug-in w/light & M.O.V.	KJ Mini plug-in male
KG Mini plug-in w/LED light & diode	KL Mini plug-in male w/M.O.V.
KK Mini plug-in male only w/diode	

Complete Pilot Valve

DMB-DXXX-XXX-1 Pilot Valve (4-Way)

52 SERIES REMOTE AIR

52A - $\begin{matrix} \text{X} & \text{X} & \text{X} & \text{X} & \text{X} & \text{RA} \\ \text{T} & \text{T} & \text{T} & \text{T} & \text{T} & \text{T} \\ 1 & 2 & 3 & 4 & 5 & 6 \end{matrix}$

1 - Spool Type

- 1 Single Operator Normally Closed
- 2 Double Operator Normally Closed
- 3 Single Operator Normally Open
- 4 Double Operator Normally Open

2 - Body Type

- 1 Inline 3-port
- 3 Manifold Body
- 4 Inline 3-port with memory spring
- 6 Manifold body with memory spring

3 - Port Size And Thread Type

- C 1/8" BSPPL
- D 1/4" BSPPL

4 - Configuration

- 0 Inline or Manifold Body

5 - Pilot Port

- J Pilot Port Size M5 (Metric)

6 - Style

- RA Remote Air

*Note: For Single RA Operator Valves, Use MOD 1493

52 SERIES CIRCUIT BAR (CBM)

CBM052A - $\begin{matrix} \text{XX} & \text{X} & \text{X} & \text{X} & \text{X} & \text{XX} & 9 \\ \text{T} & \text{T} & \text{T} & \text{T} & \text{T} & \text{T} & \text{T} \\ 1 & 2 & 3 & 4 & 5 & & \end{matrix}$ Valves and cover plates assembled to bar

1 - Spacing

- 00 19.5mm Spacing
- 01* 21mm Spacing

2 - Configuration

- A Inline Body
- B Inline Body with Flow Control

3 - Style

- A Standard Bar
- B Add-On Version (Includes End Plate)
- E* Add-On Base

4 - Port Size & Thread Type

- B 3/8" BSPPL
- C 3/8" BSPTR

5 - Stations

- Number of Stations (02, 03, 04, etc.)

Accessories

- M-52001-01P Right Hand End Plate Kit

*NOTE: "E" Option is considered a Middle Station

52 SERIES CIRCUIT BAR (CBP)

CBP052A - $\begin{matrix} \text{XX} & \text{X} & \text{X} & \text{X} & \text{X} & \text{XX} & 9 \\ \text{T} & \text{T} & \text{T} & \text{T} & \text{T} & \text{T} & \text{T} \\ 1 & 2 & 3 & 4 & 5 & & \end{matrix}$ Valves and cover plates assembled to bar

1 - Spacing

- 00 19.5mm Spacing
- 01* 21mm Spacing

2 - Configuration

- A Side Port
- B Bottom Port
- C Side Port with Flow Control

3 - Style

- A Standard Bar
- B Add-On Version (Includes End Plate)
- E* Add-On Base

4 - Port Size & Thread Type

- B 1/8" BSPPL
- E 1/4" BSPPL

5 - Stations

- Number of Stations (02, 03, 04, etc.)

Accessories

- M-52001-01P Right Hand End Plate Kit
- M-52003 Blank Station Kit for Manifold Body

*NOTE: "E" Option is considered a Middle Station



SMALL
3-WAY



LARGE
3-WAY



SMALL
4-WAY



LARGE
4-WAY



ISO
VALVES



PPC
VALVES



PULSE
VALVES



BULLET
VALVES