

56 SERIES

The MAC 56 series is a 3-way balanced spool valve piloted by our 200 series (which means this large 3-way valve can also be ordered with the 200 series hazardous location version as a pilot - giving it the same standard).

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 by simply rotating a function plate between the pilot and main valve bodies.
 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: 56C-16-392JD

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 NO-NC, 2/2 NO-NC	3/8"-1/2"-3/4"	5.7 Cv	Ext. to 150PSI, Int. 25 to 150PSI	Inline

OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. Large spool area provides maximum shifting forces.
4. Checked accumulator guarantees maximum pilot pressure.
5. Powerful return force thanks to the combination of mechanical and air springs.
6. Bonded spool with minimum friction, shifting in a glass-like finished bore.
7. Wiping effect eliminates sticking.
8. Pilot valve with balanced poppet, high flow, short and consistent response times.

N/C pilot - N/C spool



N/O pilot - N/C spool



56 SERIES

56 C - **XX** - **XX XX**
1 2 3 4 5

1 - Valve Function

- 1 Internal Pilot, N.C. Pilot, N.C. Main Spool
- 2 Internal Pilot, N.O. Pilot, N.C. Main Spool
- 3 External Pilot, N.C. Pilot, N.C. Main Spool
- 4 External Pilot, N.O. Pilot, N.C. Main Spool
- 5 Remote Air Pilot Operated, N.C. Main Spool
- 6 Internal Pilot, N.C. Pilot, N.O. Main Spool
- 7 External Pilot, N.C. Pilot, N.O. Main Spool
- 8 Remote Air Pilot, N.O. Main Spool

2 - Port Size

- 5 3/8" BSPP
- 6 1/2" BSPP
- 8 3/4" BSPP

3 - Voltage

Remote Air Pilot	DC Voltage
RA 25-150 PSI	50 24VDC (6W)
RE VAC-25 PSI	55 12VDC (6W)
AC Voltage	57 12VDC (2.5W)
11 120/60, 110/50	59 24VDC (2.5W)
22 24/50-60	60 12VDC (8.5)
39 240/50	61 24VDC (8.5)

4 - Manual Indicator Lights

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

5 - Enclosure

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

* - Lights are available for 120/60, 110/50 or 240/60, 220/50 or 24VDC with JIC enclosure only (AA).

Accessories

R-59003	Remote Air Pilot Block
M-00012	Explosion Proof Adapter Plate

Pilot Valve

130B - XX X XX

Remote Air Pilot Operated Models

Normally Closed

56C-525RA	Normally Open
56C-536RA	56C-85RA
56C-578RA	56C-86RA
	56C-88RA

For "External Pilot", substitute "RE" for "RA" in part number

Modifications

MOD 0158	Heavy Duty Spring
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The MAC 57 series is a 3-way balanced spool valve piloted by our 200 series (which means this large 3-way valve can also be ordered with the 200 series hazardous location version as a pilot - giving it the same standard).

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 by simply rotating a function plate between the pilot and main valve bodies.
 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.

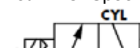
Stock Part Number: 57D-16-252JC

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 NO-NC, 2/2 NO-NC	1/2"-3/4"-1"	17.4 Cv	Ext. to 150PSI, Int. 25 to 150PSI	Inline

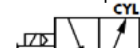
OPERATIONAL BENEFITS

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. Large spool area provides maximum shifting forces.
4. Checked accumulator guarantees maximum pilot pressure.
5. Powerful return force thanks to the combination of mechanical and air springs.
6. Bonded spool with minimum friction, shifting in a glass-like finished bore.
7. Wiping effect eliminates sticking.
8. Pilot valve with balanced poppet, high flow, short and consistent response times.

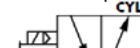
N.C.Pilot - N.C. Spool



N.O.Pilot - N.C. Spool



N.C.Pilot - N.O. Spool



57 SERIES

57 D - **XX** - **XX XX**
1 2 3 4 5

1 - Valve Function

- 1 Internal Pilot, N.C. Pilot, N.C. Main Spool
- 2 Internal Pilot, N.O. Pilot, N.C. Main Spool
- 3 External Pilot, N.C. Pilot, N.C. Main Spool
- 4 External Pilot, N.O. Pilot, N.C. Main Spool
- 5 Remote Air Pilot Operated, N.C. Main Spool
- 6 Internal Pilot, N.C. Pilot, N.O. Main Spool
- 7 External Pilot, N.C. Pilot, N.O. Main Spool
- 8 Remote Air Pilot, N.O. Main Spool

2 - Port Size

- 4 1/2" BSPP
- 5 3/4" BSPP
- 6 1" BSPP

4 - Voltage

Remote Air Pilot

- RA 25-150 PSI
- RE VAC-25 PSI

AC Voltage

- 11 120/60, 110/50
- 22 24/50-60
- 25 240/50

* Further voltage options

DC Voltage

- 50 24VDC (6W)
- 52 24VDC (2.5W)
- 55 12VDC (6W)
- 60 12VDC (8.5)
- 61 24VDC (8.5)

Remote Air Pilot Models

Normally Closed	Normally Open
57D-54-RA	57D-84-RA
57D-55-RA	57D-85-RA
57D-56-RA	57D-86-RA

For "External Pilot", substitute "RE" for "RA" in part number

5 - Manual Operator Indicator Lights

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

6 - Enclosure

- BA Grommet
- CC Conduit 1/2" NPT
- EA Hazardous Location**
- BA Grommet
- CA Conduit 1/2" NPS
- CC Conduit 1/2" NPT (CSA Threads)
- EA Hazardous Location
- JA Din w/No Light
- JC Din with Light*
- JJ No Plug

* - Lights are available for 120/60, 110/50 or 240/60, 220/50 or 24VDC with JIC enclosure only (AA).

** - Hazardous Location enclosure supplied with no operator only ("O"). DC not available below 6 watts.

Accessories

- R-59003 Remote Air Pilot Block
- Pilot Valve
- 250B - XXYZZ (200 Series) Standard
- 130B - XXYZZ (100 Series) Optional