

59 SERIES

The MAC 59 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: 59B-16-112JC

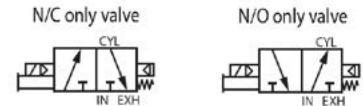
Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2 & 2/2 NO-NC	2"-2 1/2"	60.0 Cv	Ext. Vac. to 150PSI Int. 25 to 150PSI	Inline



59 SERIES

OPERATIONAL BENEFITS

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



59 SERIES

59B - X X - XX X 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 2" BSPP
- 6 2 1/2" BSPP

3 - Voltage

AC Voltage	DC Voltage
11 110/50	50 24VDC (6W)
22 24/50-60	55 12VDC (6W)
25 240/50	60 12VDC (8.5)
*Further Options Available	61 24VDC (8.5)

4 - Manual Operator Indicator Lights

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

5 - Enclosure

AA JIC w/1/2" NPS Conduit	BA Grommet
CC Conduit 1/2" NPT	EA Hazardous Location**
JA Square Din - No Light	JC Square Din with Light

* - 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 ("0"). DC not available below 6 watts.

59 SERIES - Remote Air Pilot Operated Models

59D - X X - RA
 1 2

1 - Function

- 5 Normally Closed

2 - Port Size

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

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

Accessories

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

Pilot Valve

250B - XX X XX

Modifications

0523	Contaminated Atmosphere
0575	58C Diverter
0158	Heavy Duty Spring