

# 800 SERIES

The MAC 800 series is a versatile 4-way solenoid piloted spool valve. This series features our balanced poppet in the pilot and an air/spring return for consistent shifting regardless of inlet pressure fluctuations. Versatility in piping means the valve can be piped as a 4-way, 3-way or 2-way, normally closed or normally open or can be used for vacuum, diverter or selector applications. Our one piece bonded seal spool means longer life and easy maintenance.

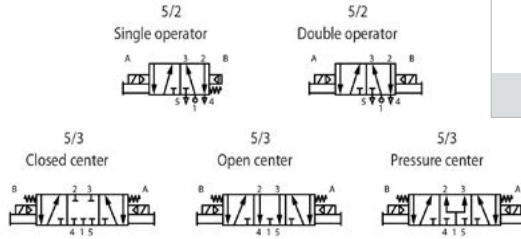
For more information regarding certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

**Stock Part Number:** 811C-PM-111JD-155

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
5/2, 5/3	1/4"	14 Cv	Int.: sgle. op. & 3 pos.: 20-150PSI, dble. op.: 10-150PSI Ext.: vac. to 200PSI	Inline

### OPERATIONAL BENEFITS

- Balanced spool, immune to variations of pressure.
- Short stroke with high flow.
- The piston (booster) provides maximum shifting forces.
- 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.
- Long service life.



800 SERIES

### 800 SERIES

8 X X C - XX - XX X XX - X X X  
 1 2 3 4 5 6 7 8 9

#### 1 - Operator

- 1 Single Solenoid
- 2 Double Solenoid

#### 2 - Pilot Air

- 1 Internal Pilot - 2 Position
- 2 External Pilot - 2 Position
- 5 Internal Pilot - 3 Position
- 6 External Pilot - 3 Position

#### 3 - Pilot Exhaust

PM Pilot Exh. Muffled      PP Pilot Exh. Piped

#### 4 - Voltage

AC Voltage		DC Voltage	
11	120/60, 110/50	55	12VDC (6W)
39	240/50	59	24VDC (2.5W)
		61	24VDC (8.5W)

Other AC & DC Voltages available. DC wattages from 1.0 to 17 watts.

#### 5 - Manual Operators

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

#### 6 - Enclosure

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

#### 7 - Spool Configurations

- 1 Single Pressure Position
  - 2 Dual Pressure 2 Position
  - 5 Single Pressure 3 Position Closed Centre
  - 6 Single Pressure 3 Position Open Centre
  - 7 Dual Pressure 3 Position Pressure Centre\*
  - 8 Single Pressure 3 Position Pressure Centre
- \* - Not available on models with integral flow controls.

#### 8 - Body Configurations

- 1 Individual Stacking Body, External Pilot
- 2 Stacking Body, 3 Common Ports (inlet & Exhausts)
- 9 Port Size
- 5 1/4" BSPP
- 6 3/8" BSPP (Stacking valves only)

#### 9 - Port Size

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

**ISOLATORS** - Sections of a gang may be isolated permitting different pressures to be fed to either end of the gang.  
 Part# N-08001 (inlet), N-08002 (exhaust).

**ACCESSORIES - MANIFOLD END PLATE KITS (BSPP)**

Internal Pilot Part No.	External Pilot Part No.	Models Used With...
M-08001-01-01P	M-08001-02-01P	3 com. port or 1 com. port models, stacks of 1 thru 16 valves.
M-08002-01-01P	M-08002-02-01P	Com. conduit models, stacks of 1 thru 16 valves.
M-00005-01-01P	M-00005-02-01P	3 com. port or 1 com. port models, stacks of 17 or more valves.
M-00007-01-01P	M-00007-02-01P	Com. conduit models, stacks of 17 more valves.

**MODIFICATIONS**

Mod. No.	Description	Model Availability
0358	3/8" inlet and cylinder ports	Individual Valves
<i>Example: 811C-PM-111DA-155 MOD 0358</i>		

**800 SERIES - CIRCUIT BAR (EBM)**

EBM800A -  $\frac{XX}{1} \frac{X}{2} \frac{X}{3} \frac{XX}{4} - \frac{9}{T}$   
Valves and cover plates assembled to valve

- 1 - Spacing**  
00 31mm Spacing (Std.)
- 2 - Configuration**  
1 Standard Common Inlet & Exhaust  
2 Standard with Flow Controls
- 3 - Port Size & Thread Type**  
B 3/8" BSPPL

- 4 - Stations**  
Number of Stations (02, 03, 04, etc.)
- Accessories**  
Blanking Plate — M-08008  
Flow Control Assembly — N-08006

**800 SERIES - CIRCUIT BAR (EBI)**

EBI800A -  $\frac{XX}{1} \frac{X}{2} \frac{X}{3} \frac{XX}{4} - \frac{9}{T}$   
Valves and cover plates assembled to valve

- 1 - Spacing**  
00 31mm Spacing
- 2 - Configuration**  
1 Valve Mount
- 3 - Port Size & Thread Type**  
B 3/8" BSPPL

- 4 - Stations**  
Number of Stations (02, 03, 04, etc.)
- Accessories**  
M-08011 Blank Station Cover Plate

