

The MAC 6300 series are a versatile 4-way solenoid piloted spool valve. This series feature our balanced poppet in the pilot and an air/spring return for consistent shifting regardless of inlet pressure fluctuations. Our balanced spool 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: 6311C-000-PM-501DA

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
4/2, 4/3	3/4" - 1/2"	3.0 Cv	Int.: sgle. op. & 3 pos.: 25-150PSI dble. op.: 10-150PSI Ext.: vac. to 150PSI	Sub-Base

OPERATIONAL BENEFITS

- Balanced spool, immune to variations of pressure.
- Short stroke with high flow.
- High 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.



6300 SERIES

63 $\begin{matrix} X & X & D \\ \hline 1 & 2 & 3 \end{matrix}$ - $\begin{matrix} X & X & X \\ \hline 3 & 4 & 5 \end{matrix}$ - $\begin{matrix} XX \\ \hline 6 \end{matrix}$ - $\begin{matrix} X & X & X & X \\ \hline 7 & 8 & 9 \end{matrix}$

1 - Function			
1	Single Solenoid	2	Double Solenoid
3	3 Position Closed Centre	4	3 Position Open Centre
5	3 Position Pressure Centre		

2 - Body Type			
1	Plug-In	2	Non Plug-In Or Remote Air
3	Plug-In Lights In Body	4-6	Dual Pressure Options **

**Dual pressure body option for use with regulators:
 63X4D: Plug-In 63X5D: Non Plug-In
 63X6D: Plug-In w/ Lights

3 - Port Size			
0	Valve Only-No Base	1	1/4" Base
2	3/8" Base	3	1/2" Base
4	1/4" Manifold	5	3/8" Manifold
6	1/2" Manifold		

4 - Pilot Air - BSPP Options			
0	Valve Only-No Base	5	Internal Pilot
6	External Pilot	7	Int. Pilot (Single Remote Air)
8	External Pilot (Double Remote Air)		

5 - Porting Options			
0	Valve Only-No Base	1	Side Ports - No lights
2	Side Ports w/lights (Sgl. Sol.)	3	Side Ports w/lights (Dbl.Sol.)
4	Bottom Ports without lights	5	Bot. Ports w/lights (Sgl.Sol.)
6	Bottom Ports with lights	7	Side & bot. Ports No lights*
8	Side & bottom Ports with lights (Single Solenoid)*		
9	Side & bottom Ports with lights (Double Solenoid)*		

*Manifold Bases Only

6 - Pilot Exhaust			
PM	Pilot Exhaust Muffled	PP	Pilot Exhaust Piped
RA	Remote Air		

If RA is selected XX & Y options do not apply. Other AC & DC voltages available. DC wattages from 1.0 up to 17 watts.

7 - Voltage			
<i>AC Voltage</i>			
11	120/60, 110/50	22	24/50-60
39	240/50		

<i>DC Voltage</i>			
50	24VDC (6W)	55	12VDC (6W)
57	12VDC (2.5W)	59	24VDC (2.5W)
60	12VDC (8.5W)	61	24VDC (8.5W)

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

9 - Electrical Connectors			
DA	Plug In Base	JC	Din Square w/Light (Non Plug In)
JD	Din Rectangle w/Light (Non Plug In)		

MODIFICATIONS	
MOD0210	Bottom inlet port in addition to side inlet port (manifolds only).

- NOTE:**
- The valve less base is always the same for internal or external pilot. These options are effected in the base or manifold.
 - To order bases or manifolds without the valve, choose the base or manifold from the above table & options, then add 6300D as a prefix.
 - When ordering an external pilot connection for manifold bases, a common external pilot port is standard. One connection only is required for all the valves in the manifold whether single or double solenoid.
 - Manifolds for solenoid and remote air operated valves must be ganged separately.