

Function	Port size	Flow (Max)	Individual mounting & Manifold mounting	Series
<b>5/2 - 5/3</b>	<b>1/4" - 3/8"</b>	<b>1.6 C<sub>v</sub></b>	valve only	

**OPERATIONAL BENEFITS**

1. Balanced spool, immune to variations of pressure.
2. Short stroke with high flow.
3. The piston (booster) provides maximum shifting forces.
4. Powerful return thanks to the combination of mechanical and air springs.
5. Bonded spool with minimum friction, shifting in a glass-like finished bore.
6. Wiping effect eliminates sticking.
7. Low leakage rate.



1100  
55  
56  
57  
58  
59

**HOW TO ORDER**

**SINGLE PRESSURE VALVES**

Air spring	5/2 Single operator	5/2 Double operator	5/3 Closed center	5/3 Open center
Internal	MV-A1C-B111	----	----	----
External	MV-A1C-B121	MV-A1C-B221	MV-A1C-B322	MV-A1C-B321

700  
900

**DUAL PRESSURE VALVES**

Air spring	5/2 Single operator	5/2 Double operator	5/3 Pressure center
Internal port 3	MV-A1C-B131	----	----
Internal port 5	MV-A1C-B135	----	----
External	MV-A1C-B141	MV-A1C-B241	MV-A1C-B341

82  
6300  
6500  
6600  
2700  
1800

Note : ISO valves are delivered w/o base. See page 273 for base code

ISO 1  
ISO 2  
ISO 3

**TECHNICAL DATA**

<b>Fluid :</b>	Compressed air, vacuum, inert gases
<b>Pressure range :</b>	Vacuum to 150 PSI
<b>Air signal pressure :</b>	Single operator and 3 positions : 20 to 150 PSI $\geq$ main valve pressure      Double operator : 10 to 150 PSI
<b>Lubrication :</b>	Not required, if used select a medium aniline point lubricant (between 180°F to 210°F)
<b>Filtration :</b>	40 $\mu$
<b>Temperature range :</b>	0°F to 120°F (-18°C to 50°C)
<b>Flow (at 6 bar, <math>\Delta P=1\text{bar}</math>) :</b>	1/4" - 3/8" : (1.6 C <sub>v</sub> )

Spare parts :

- Remote air operator 2 positions : R-A1010. • Remote air operator 3 positions : R-A1005B.
- Pressure seal between valve and base : 16344. • Mounting screw body to base (x4) : 35304.

**DIMENSIONS**

Dimensions shown are metric (mm)

