

Function	Port size	Flow (Max)	Individual mounting & Manifold mounting	Series
5/2 - 5/3	1/4" - 3/8"	1.6 C_v	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

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

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)

