

Function	Port size	Flow [Max]	Manifold mounting
5/2, 5/3	G1/8"	510 NI/min	Valve only – No base Plug-in – Conform to ISO 15407-2

OPERATIONAL BENEFITS

1. Unique patented MACsolenoid with oval shaped armature for fastest possible response times.
2. Balanced poppet 4-way pilot provides maximum shifting forces, precise repeatability and consistent operation.
3. MAC spool and bore combination wipes away contamination, eliminates sticking and allows for use on non-lube service
4. Large spool area for maximum shifting forces, even at minimum operating pressure.
5. Very high flow in a compact package. Pilot valve and main valve in the same body.
6. Internal or external pilot operation.
7. Air only return
8. Valve width: 18 mm



HOW TO ORDER

SINGLE PRESSURE VALVES

Pilot air	5/2 Single operator	5/2 Double operator	5/3 Closed centre	5/3 Open centre
Internal	MV-P02A-AACA-RxxP-xxx	MV-P02A-ABCA-RxxP-xxx	MV-P02A-AECA-RxxP-xxx	MV-P02A-AFCA-RxxP-xxx
External 12 end	MV-P02A-AACD-RxxP-xxx	MV-P02A-ABCD-RxxP-xxx	MV-P02A-AECD-RxxP-xxx	MV-P02A-AFCD-RxxP-xxx
External 14 end	MV-P02A-AACE-RxxP-xxx	MV-P02A-ABCE-RxxP-xxx	MV-P02A-AECE-RxxP-xxx	MV-P02A-AFCE-RxxP-xxx

DUAL PRESSURE VALVES

Pilot air	5/2 Single operator	5/2 Double operator	5/3 Pressure centre
Internal port 3	MV-P02A-ACCB-RxxP-xxx	MV-P02A-ADCB-RxxP-xxx	MV-P02A-AHCB-RxxP-xxx
Internal port 5	MV-P02A-ACCC-RxxP-xxx	MV-P02A-ADCC-RxxP-xxx	MV-P02A-AHCC-RxxP-xxx
External 12 end	MV-P02A-ACCD-RxxP-xxx	MV-P02A-ADCD-RxxP-xxx	MV-P02A-AHCD-RxxP-xxx
External 14 end	MV-P02A-ACCE-RxxP-xxx	MV-P02A-ADCE-RxxP-xxx	MV-P02A-AHCE-RxxP-xxx

SOLENOID OPERATOR > R XX P - X XX

XX Voltage	X Manual operator	XX Electrical connection
AA* 120 VAC	0 No operator	PA Base plug-in
AC* 24 VAC	1 Recessed non locking	PB Base plug-in with light
DC 24V=1.8W	3 Extended non locking	PC Base plug-in with MOV
DD 24V=2.5W		PD Base plug-in with light & MOV
DE 24V=3.0W		
DF 24V=4.0W		
DJ 12V=1.8W		
DK 12V=2.5W		
DL 12V=3.0W		
DM 12V=4.0W		

* Use either PA or PB connector
 Note: ISO series, valve and base are ordered separately, see page 269 for base codes

OPTIONS

Pilot exhaust: MV-P02A-XX X x-RxxP-xxx

- C Pilot exhaust muffled
- R Pilot exhaust piped M5
- U Pilot exhaust out main exhaust

TECHNICAL DATA

Fluid:	Compressed air, vacuum, inert gases	
Pressure range:	Internal pilot – 2 pos.: 1,3 to 8 bar	3 pos.: 2,3 to 8 bar
Pilot pressure:	External pilot: vacuum to 8 bar	
Lubrication:	2 pos.: 1,3 to 8 bar – 3 pos.: 2,3 to 8 bar	
Filtration:	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)	
Temperature:	40µ	
Flow (at 6 bar, ΔP=1bar)	-18°C to +50°C	
Coil:	2 pos.: 510 NI/min (Cv .51) – 3 pos.: 350 NI/min (Cv .35)	
Voltage range:	Epoxy encapsulated - Class A wires - 100% ED	
Power:	-15% to +10%	
	1,8 to 5,4 W	

DIMENSIONS

