



MAC Pulse Valve PV10 Series



PV10 Series

The MAC Pulse Valve series is designed to be a direct drop-in replacement for existing pulse technology. The MAC solution utilizes a long life, bonded-spool design, instead of the traditional diaphragm style. MAC also uses a balanced pilot valve that isolates the solenoid from airline contamination. Available with integral solenoid pilot as well as bleed pilot configurations.

Direct Drop-in

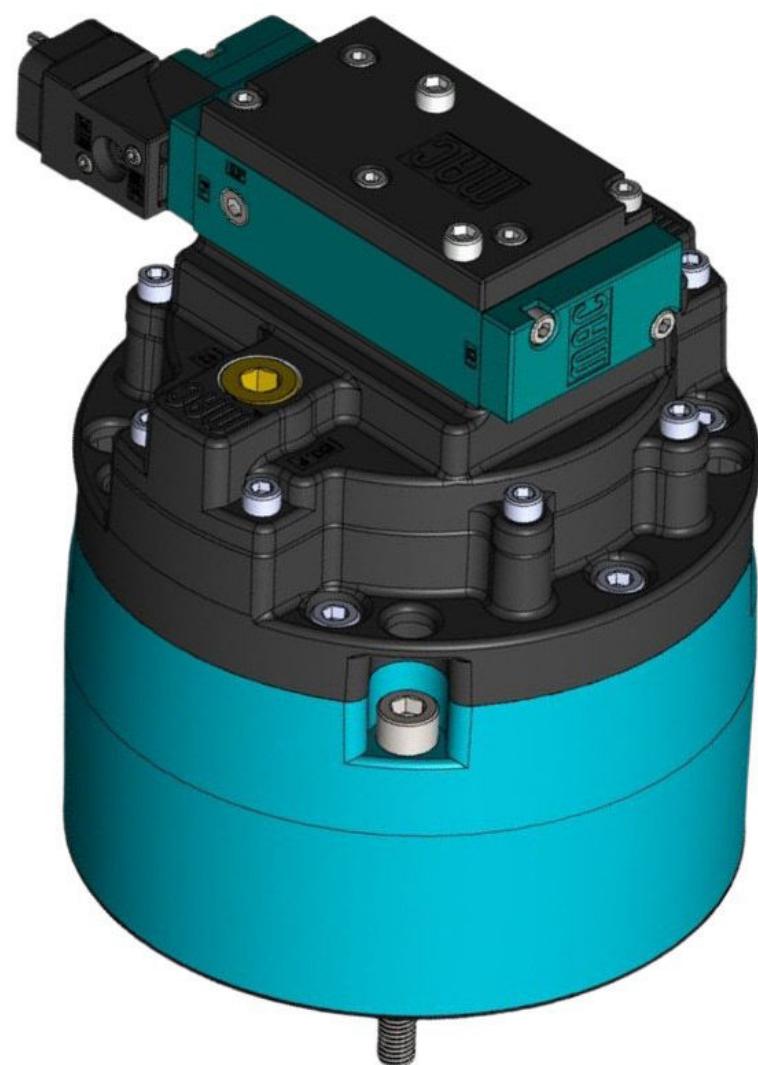
The MAC Pulse Valve is available with various adapter options. These adapter options allow the MAC valve to directly replace the diaphragm technology with our bonded spool technology without disturbing plumbing. The MAC bleed configuration works with existing remotely located solenoids.

Harsh Environment Compatible

An aluminum die-cast body, Viton® seals and an environmentally protected solenoid are standard features. These materials allow for a wide standard temperature rating and high degree of chemical resistance.

Maintenance

Lower cost of ownership through reduction in downtime due to high reliability. When necessary, maintenance is simplified with available spool kits.



Product Characteristics and Performance

Flow	Temp. Range Nitrile	Temp Range Viton	Pressure Range
140 Cv	0°F - 140°F	-20°F - 230°F	40 - 120 PSI
140.000 NL/min	-18°C - 60°C	-29°C - 110°C	2.75 - 8.27 bar



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Configuration Options

Integral Pilot **PV10A - XXX - 93P - DXXX - XXX = XXXX**

Remote Bleed **PV10A - XXX - 93P - RBXX = XXXX**

Modifications (see below)

Spool Type	Base Port Size & Thread Type	Int / Ext Pilot	Pilot Type	Remote Bleed
0 Base Only	0 Basic Valve No Base	0 Base Only	P Piped Exh.	11 NPTF threads
A N.C. Main W/Memory Spring Viton [®] Seals Thru-out	A 2" NPTF MAC Base 90° B 2" NPTF MAC Base 180° C 2 1/2" NPTF MAC Base 90° D 2 1/2" NPTF MAC Base 180° E 2" BSPP MAC Base 90° F 2" BSPP MAC Base 180° G 2 1/2" BSPP MAC Base 90° H 2 1/2" BSPP MAC Base 180° J 2" BSPT MAC Base 90° K 2" BSPT MAC Base 180° L 2 1/2" BSPT MAC Base 90° M 2 1/2" BSPT MAC Base 180°	A Internal Pilot B Ext. Pilot NPTF threads C Ext. Pilot BSPP MAC Base 90° D Ext. Pilot BSPT MAC Base 180° E Int. Pilot BSPP MAC Base 90° F Int. Pilot BSPT MAC Base 180°		14 BSPP MAC Base 180° 15 BSPT MAC Base 180°



Solenoid Valve Options

- DXXX - XXX

Voltage	Lead Wire Length	Manual Operator	Electrical Connector
JA 120/60, 110/50	A 18"		BA Grommet
JB 240/60, 220/50	B 24"		BK Grommet w/Diode
JD 100/60, 100/50, 110/60	C 36"		CM Metal Conduit 1/2"
DA 24VDC (5.4W)	D 48"		CN Metal Conduit w/Ground 1/2"
EW 24VDC (8.0W)	E 72"		EE** Hazardous Location Explosion Proof
DB 12VDC (5.4W)	F 96"		JA Square Plug-in
DC 12VDC (7.5W)	J External Plug-In Lead	1 Non Locking	JB Rectangular Plug-in

Pilot Only Options - Bodies and Assemblies

93A-LP0-C0J-HP-RBXX=XXXX (Bleed Pilot Valve)
93A-LP0-C0J-HP-DXXX-XXX=XXXX (Solenoid Pilot Valve)
HPA-RBXX=XXXX (Pilot to RB 93)
HPA-DHXXV-YZZ=XXXX (Pilot to 93)

See options above and modifications below

Modifications - One Selection Required

PVVT Viton Seals, NPTF threads on pilot
EVVT Viton Seals, BSPP MAC Base 90° on pilot
PVTR Viton Seals, BSPT MAC Base 180° on pilot

BA	Grommet
BK	Grommet w/Diode
CM	Metal Conduit 1/2"
CN	Metal Conduit w/Ground 1/2"
EE**	Hazardous Location Explosion Proof
JA	Square Plug-in
JB	Rectangular Plug-in
JC	Square Plug-in w/Light
JD	Rectangular Plug-in w/Light
JJ	Square Male Only
JM	Rectangular Male Only
KA	Mini Plug-in
KB	Mini Plug-in w/Diode
KD	Mini Plug-in w/Light
KE	Mini Plug-in w/Light & Diode
KC	Mini Plug-in w/LED & Diode
KJ	Mini Plug-in Male Only
KK	Mini Plug-in Male Only w/Diode

Spool and Adapter Kits

S-93002-05 (93 Series Spool Kit)

062725