



# MAC Pulse Valve PV12 Series



## PV12 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.

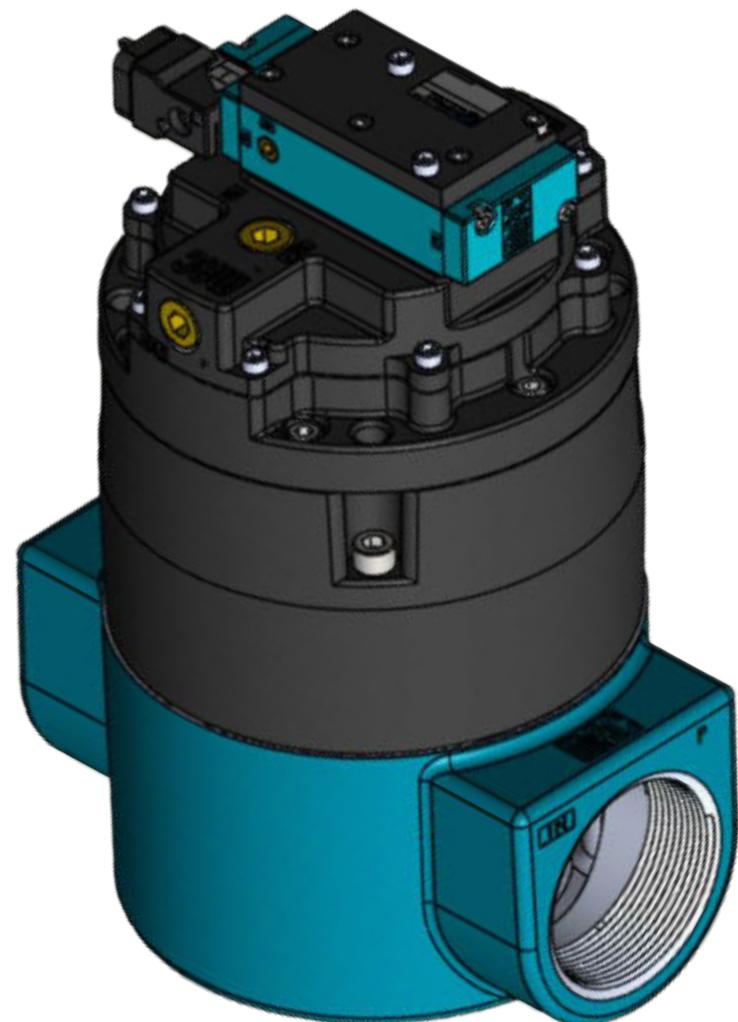
### Maintenance

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

### Repair Kits

#### Kit

Viton® K-PV035-05



### Product Characteristics and Performance

Flow	Temp. Range Nitrile	Temp Range Viton	Pressure Range
175 Cv	0°F - 140°F	-20°F - 230°F	40 - 120 PSI
175.000NI/min	-18°C - 60°C	-29°C - 110°C	2.75 - 8.27 bar



# MAC Pulse Valve

## PV12 Series



Integral Pilot **PV12A - XXX - 93P - DXXX - XXX = XXXX**

Remote Bleed **PV12A - 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 1/2" NPTF MAC Base 90° B 2 1/2" NPTF MAC Base 180° C 3" NPTF MAC Base 90° D 3" NPTF MAC Base 180° E 2 1/2" BSPP MAC Base 90° F 2 1/2" BSPP MAC Base 180° G 3" BSPP MAC Base 90° H 3" BSPP MAC Base 180° J 2 1/2" BS PTR MAC Base 90° K 2 1/2" BS PTR MAC Base 180° L 3" BS PTR MAC Base 90° M 3" BS PTR MAC Base 180°	A Internal Pilot B Ext. Pilot NPTF threads C Ext. Pilot BSPP MAC Base 90° D Ext. Pilot BS PTR MAC Base 90° E Int. Pilot BSPP MAC Base 90° F Int. Pilot BS PTR MAC Base 90°		14 BSPP MAC Base 180° 15 BS PTR MAC Base 180°

### Solenoid Valve Options

**- DXXX - XXX**

Voltage	Lead Wire Length	Manual Operator	Electrical Connector
JA 120/60, 110/50	A 18"	1 Non Locking	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"		JA Square Plug-in
DB 12VDC (5.4W)	F 96"		JB Rectangular Plug-in
DC 12VDC (7.5W)	J External Plug-In Lead		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

### 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-DHXX-YZZ=XXXX (Pilot to 93)

See options above and modifications below

### Modifications - One Selection Required

PVVT Viton Seals

Other MODS available. Consult Factory

### Spool and Adapter Kits

S-93002-05 (93 Series Spool Kit)

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