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.

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.

An aluminum die-cast body, nitrile seals and an environmentally protected solenoid are standard features. Viton® seals are also available for extreme temperature environments and chemical resistance.

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

Spool Kits

<table>
<thead>
<tr>
<th>Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viton® K-PV001-05</td>
</tr>
</tbody>
</table>

**Product Characteristics and Performance**

<table>
<thead>
<tr>
<th>Flow</th>
<th>Temp. Range Nitrile</th>
<th>Temp Range Viton</th>
<th>Pressure Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Cv</td>
<td>0°F - 140°F</td>
<td>-20°F - 230°F</td>
<td>30 - 120 PSI</td>
</tr>
<tr>
<td></td>
<td>-18°C - 60°C</td>
<td>-29°C - 110°C</td>
<td>2.07 - 8.27 bar</td>
</tr>
</tbody>
</table>
MAC Pulse Valve
PV03 Series

Integral Pilot
PV03B - XXX - 41X - DXXX - XXX = XXXX
Remote Bleed
PV03B - XXX - 41X - RBXX = XXXX

Spool Type

Base Port Size & Thread Type

Int / Ext Pilot

Pilot Type

Remote Bleed

Base Only
A N.C. Main W/Memory Spring
Viton® Seals Thru-out

0 Basic Valve No Base
A 3/4” NPTF MAC Base
B 1” NPTF MAC Base
C 3/4” BSPL MAC Base
D 1” BSPL MAC Base
E 3/4” BSPTR MAC Base
F 1” BSPTR MAC Base

0 Base Only
A Internal Pilot
B Ext. Pilot NPTF threads
C Ext. Pilot BSPL threads
D Ext. Pilot BSPTR threads
E Int. Pilot BSPL threads
F Int. Pilot BSPTR threads

0 NPTF threads
11 BSPPL threads
14 BSPTR threads

0 Remote

Spool Kit
K-PV001-05 Viton (includes seals and spring)

Voltage

Lead Wire Length

Manual Operator

Electrical Connector

JA 120/60, 110/50
JB 240/60, 220/50
JD 100/60, 110/60/60
DA 24VDC (5.4W)
EW 24VDC (8.0W)
DB 12VDC (5.4W)
DC 12VDC (7.5W)

A 18”
B 24”
C 36”
D 48”
E 72”
F 96”
J External

0 No Operator
1 Non Locking

BA Grommet
BK Grommet w/Diode
CM Metal Conduit 1/2”
CN Metal Conduit w/Ground 1/2”
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

Pilot Only Options - Bodies and Assemblies

Note: Revisions A and B are currently available and identified by 4th character in PN. Be sure to order the same revision you are replacing
41HA-00A-HX-DXXX-YZZ=XXXX (solenoid operated pilot valve)
See options above and modifications below.
41HB-00A-HX-DXXX-YZZ=XXXX (solenoid operated pilot valve)
See options above and modifications below.
41HA-00A-H0-RBXX=XXXX (bleed pilot valve)
See options above and modifications below.
41HB-00A-H0-RBXX=XXXX (bleed pilot valve)
See options above and modifications below.

Modifications - One Selection Required
PVVT Viton Seals, NPTF threads on pilot
EVVT Viton Seals, BSPL threads on pilot
MAC Pulse Valve
PV03 Series

1/8" TAPPED PORT
BOTH ENDS

3/4" TAPPED PORT
OR 1" TAPPED PORT
TYP.(2)

MAC 3/4" & 1" BASE

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1-800-MAC-VLVS
www.macvalves.com