



MAC Pulse Valve

PV07 Series



PV07 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

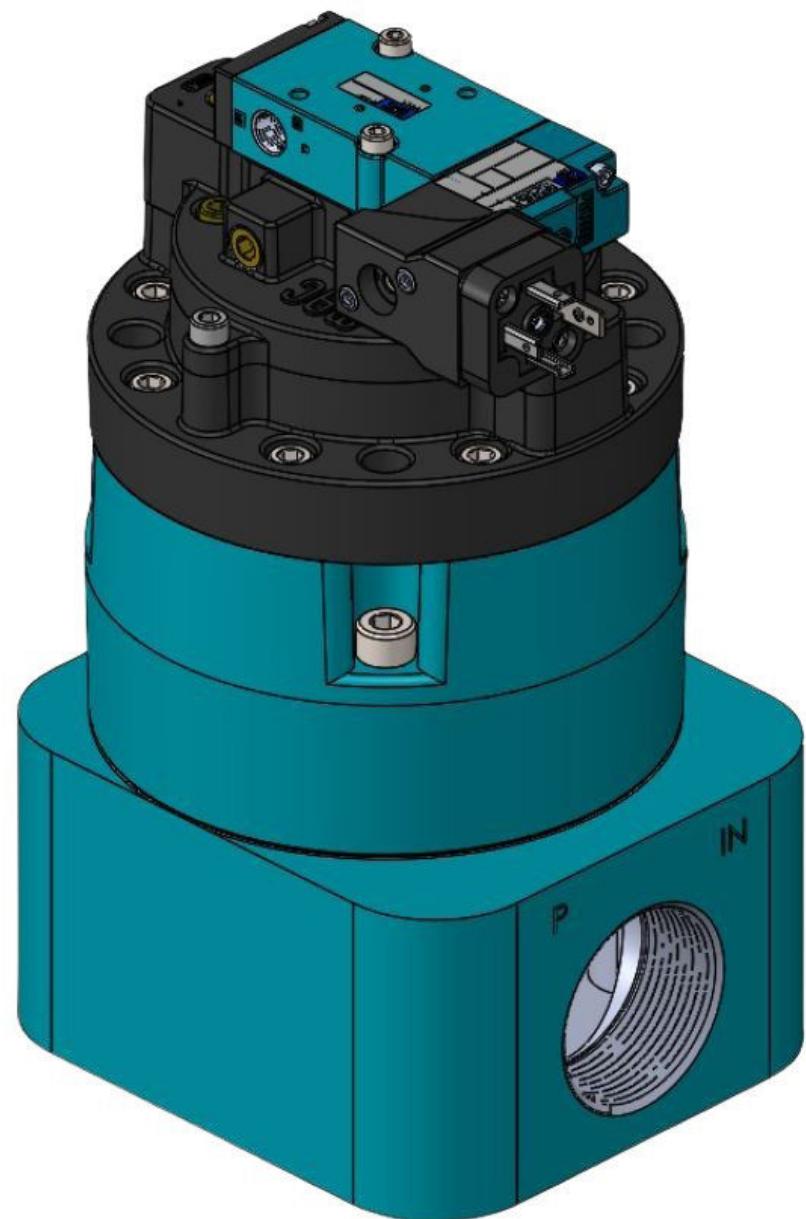
The MAC Pulse Valve is available with various adapter options. These adapter options allow the MAC valve to directly replace the diaphragm technology with our bonded spool technology without disturbing plumbing. The MAC bleed configuration works with existing remotely located solenoids.

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
70 Cv 70.000 NL/min	0°F - 140°F -18°C - 60°C	-20°F - 230°F -29°C - 110°C	40 - 120 PSI 2.75 - 8.27 bar



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Configuration Options

Integral Pilot **PV07A - XXX - 41P - DXXX - XXX = XXXX**

Remote Bleed **PV07A - XXX - 41P - RBXX = XXXX**

Modifications (see below)

Spool Type

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

Base Port Size & Thread Type

0 Basic Valve No Base
A 1 1/2" NPTF MAC Base
C 1 1/2" BSPP MAC Base
E 1 1/2" BS PTR MAC Base

Int / Ext Pilot

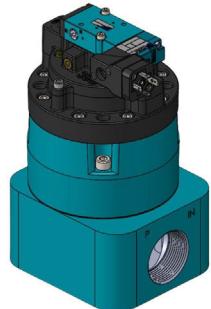
0 Base Only
A Internal Pilot
B Ext. Pilot NPTF threads
C Ext. Pilot BSPP MAC Base
D Ext. Pilot BS PTR MAC Base
E Int. Pilot BSPP MAC Base
F Int. Pilot BS PTR MAC Base

Pilot Type

Integral
Piped Exh.

Remote Bleed

11 NPTF threads
14 BSPP MAC Base
15 BS PTR MAC Base



Solenoid Valve Options

- DXXX - XXX

Voltage

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

Lead Wire Length

A 18"
B 24"
C 36"
D 48"
E 72"
F 96"
J External Plug-In Lead

Manual Operator

1 Non Locking

Electrical Connector

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

Pilot Only Options - Bodies and Assemblies

41HA-00A-HX-DXXX-YZZ=XXXX (solenoid operated pilot valve)
41HB-00A-HX-DXXX-YZZ=XXXX (solenoid operated pilot valve)
41HA-00A-H0-RBXX=XXXX (bleed pilot valve)
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, BSPP MAC Base on pilot
PVTR Viton Seals, BS PTR MAC Base on pilot