

MAC Pulse Valve PV09 Series



PV09 Series

The MAC Pulse Valve Series is designed to surpass the performance and reliability of existing pulse valve 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 can conveniently be installed in virtually any application. A traditional 90° base or optional adapter plate allows the MAC valve to directly replace diaphragm technology with our bonded spool technology without disturbing existing plumbing. You can even use existing remote solenoids or our integral solenoid pilot for the ultimate performance and reliability.

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

The MAC bonded spool pulse valves delivers lower cost of ownership through reduction in downtime and lower air consumption. When necessary, maintenance is simplified with available spool kits.

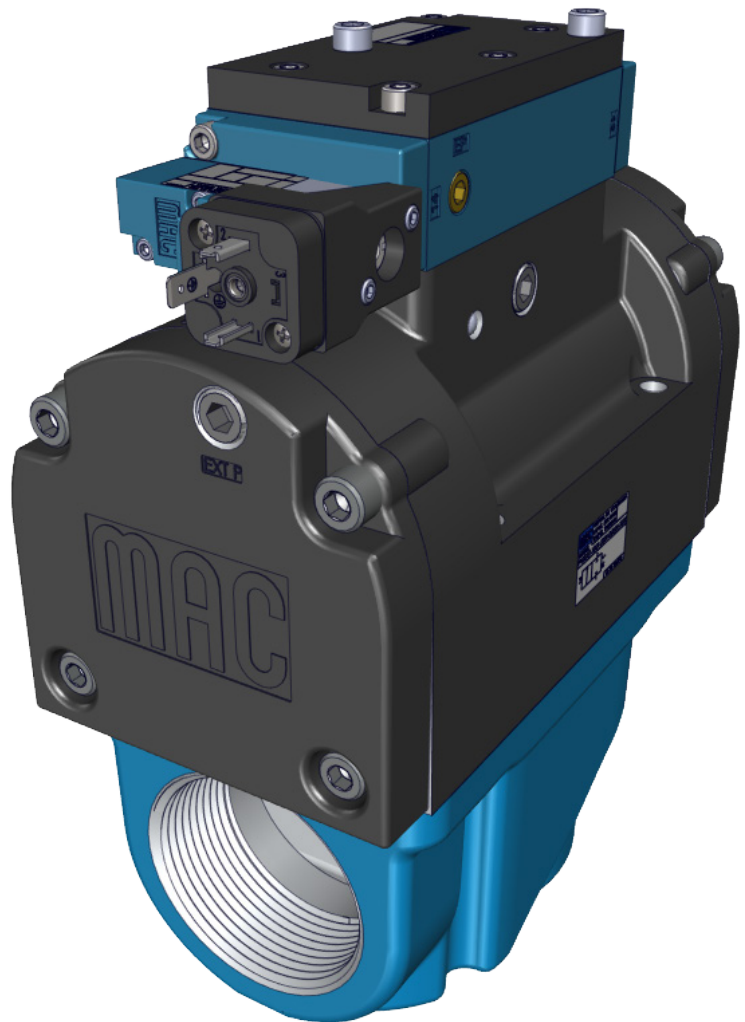
Repair Kits

Kit

Viton® K-PV003-05
93 Series spool kit S-93002-05

Product Characteristics and Performance

| Flow | Temp Range Viton | Pressure Range |
|--------|--------------------------------|---------------------------------|
| 100 Cv | -20°F - 230°F -29°C - 110°C | 40 - 120 PSI 2.75 - 8.27 bar |





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Integral Pilot **PV09B - XXX - 93P - DXXX - XXX = XXXX**

Remote Bleed **PV09B - 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 | Integral | 11 NPTF threads |
| A N.C. Main W/Memory Spring Viton® Seals Thru-out | A 2" NPTF MAC Base | A Internal Pilot | P Piped Exh. | 14 BSPPL threads |
| | B 2 1/2" NPTF MAC Base | B Ext. Pilot NPTF threads | | 15 BSPTR threads |
| | C 2" BSPPL MAC Base | C Ext. Pilot BSPPL threads | | |
| | D 2 1/2" BSPPL MAC Base | D Ext. Pilot BSPTR threads | | |
| | E 2" BSPTR MAC Base | E Int. Pilot BSPPL threads | | |
| | F 2 1/2" BSPTR MAC Base | F Int. Pilot BSPTR threads | | |

Solenoid Valve Options

- DXX X - X XX

| 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 |
| | | | KC Mini Plug-in w/LED & Diode |
| | | | KD Mini Plug-in w/Light |
| | | | KE Mini Plug-in w/Light & 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-DXXV-1XX=XXXX (Solenoid Operated Pilot Valve)
 HPA-DHXXV-YYZ=XXXX (Pilot to 93)
 93A-LP0-C0J-HP-RBXX=XXXX (Bleed Pilot Valve)
 HPA-RBXX=XXXX (Pilot to RB 93)

Modifications - One Selection Required

PVVT Viton Seals, NPTF threads on pilot
 EVVT Viton Seals, BSPPL threads on pilot

Spool Kits

K-PV003-05 Viton (includes seals and spring)

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