



MAC Pulse Valve PV03 Series



PV03 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.

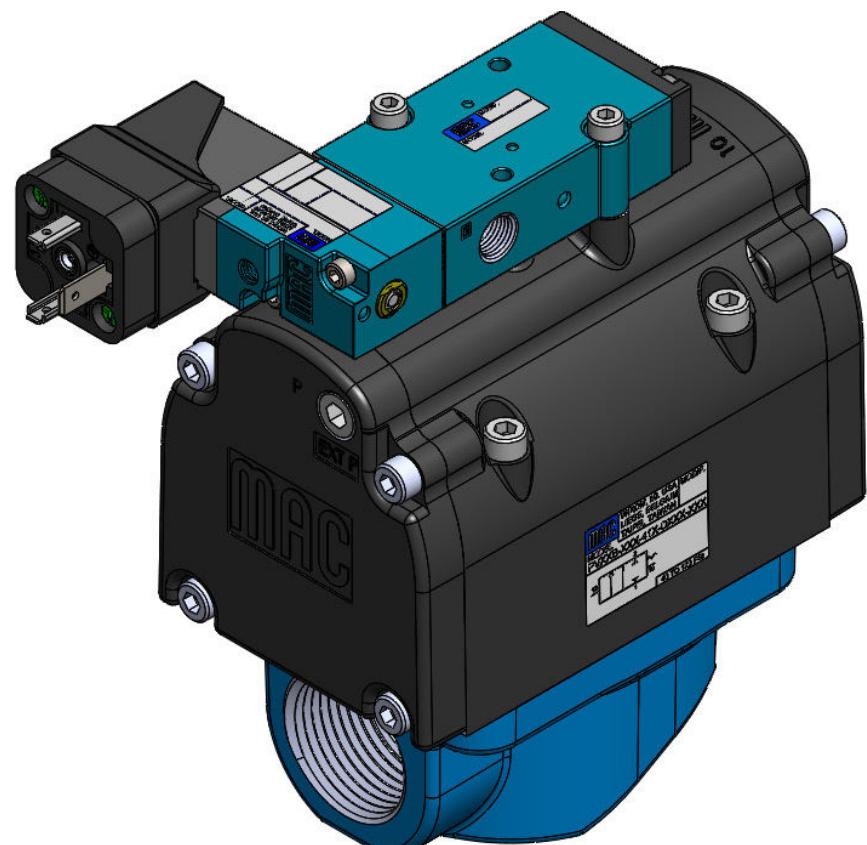
Maintenance

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-PV001-05



Product Characteristics and Performance

Flow	Temp. Range Nitrile	Temp Range Viton	Pressure Range
24 Cv 24.000NL/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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Integral Pilot **PV03B - XXX - 41P - DXXX - XXX = XXXX**

Remote Bleed **PV03B - XXX - 41P - 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 3/4" NPTF MAC Base	A Internal Pilot	P Piped Exh.	14 BSPPPL threads
	B 1" NPTF MAC Base	B Ext. Pilot NPTF threads		15 BS PTR threads
	C 3/4" BSPPPL MAC Base	C Ext. Pilot BSPPPL threads		
	D 1" BSPPPL MAC Base	D Ext. Pilot BS PTR threads		
	E 3/4" BS PTR MAC Base	E Int. Pilot BSPPPL threads		
	F 1" BS PTR MAC Base	F Int. Pilot BS PTR threads		

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"		JA Square Plug-in
DB 12VDC (5.4W)	F 96"		JB Rectangular Plug-in
DC 12VDC (7.5W)	J External Plug-In Lead	1 Non Locking	JC Square Plug-in w/Light

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

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

Modifications - One Selection Required

PVVT Viton Seals, NPTF threads on pilot

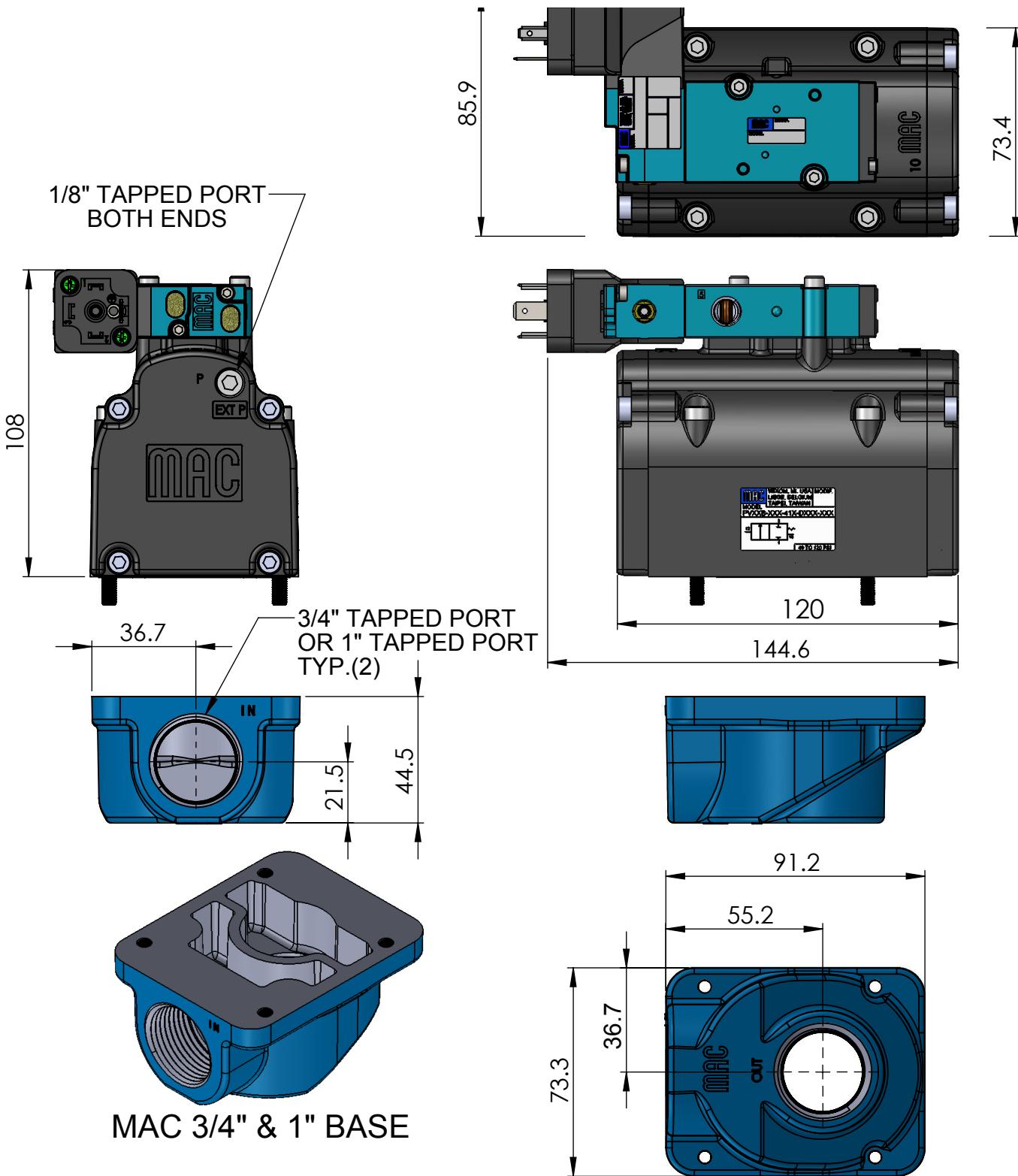
EVVT Viton Seals, BSPPPL threads on pilot

Spool Kit

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



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