

47 SERIES

The MAC 47 series is a direct solenoid operated 4-way poppet valve. High flow in a small package, oval armature. These feature a short stroke solenoid, a balanced poppet and conical seats. These features translate into high shifting forces, fast consistant response times, and long life. For more information regarding certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

Stock Part Number: 47A-L10-HDA0-1KD

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
5/2	1/8"-1/4"	0.5Cv	Vac. to 120PSI	Inline

OPERATIONAL BENEFITS

- Balanced poppet, immune to variations of pressure.
- Short stroke with high flow.
- The patented solenoid develops high shifting forces.
- Powerful return spring.
- Manual operator standard on all valves.
- Burn-out proof solenoid on AC service.





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1 - Body Type

- O Base Only
- A Inline 5 Port
- B Inline Body 5 Port with Flow Controls
- C Inline Body Namur Mount

2 - Port Size & Thread Type

- C 1/8 BSPPL
- D 1/4 BSPPL
- L Other See MVP

3 - Base Type

- O Inline / Stacking/ Valve Only
- A Individual Base Non Plug-In
- B Individual Base Non Plug-In w/ Flow Controls
- J Manifold Base Side Ports (Middle Station)
- K Manifold Base Bottom Ports (Middle Station)
- L Right End Manifold Base, Side Ports
- M Right End Manifold Base, Bottom Ports
- N Left End Manifold Base, Side Ports
- P Left End Manifold Base, Bottom Ports

Accessories

N-47005-01 Fastening Kit (Manifold)

28447 Isolator Plate - Inlet and Exhaust (Manifold)

M-47001 Blank Station Cover Plate

N-47004 Cover Plate Assembly with Flow Controls (Inline)

M-47013-01P End Plate Kit (Stacking)

N-47009 Exhaust Isolator Plate Assembly (Stacking)

28451 Inlet Isolator Plate (Stacking

47 SERIES STANDARD SOLENOID OPTIONS

4 - Voltage (*Requires full wave rectifier in cover)

DD	24 VDC (1.0w)	DL	120 VDC (6.3w)
	24 VDC (24w)		12 VDC (1.0w)
DA	24 VDC (5.2w)	DH	12 VDC (1.8w)
AD	24 VAC (7.8w) *	DG	12 VDC (24w)
AC	240 VAC (5.8w) *	DF	12 VDC (5.2w)

5 - Lead Wire Length

0	NO LEAD WIRE	Ε	72" Coil Leads
Α	18" Coil Leads	F	96" Coil Leads
В	24" Coil Leads	G	120" Coil Leads
С	36" Coil Leads	Н	144" Coil Leads
D	48" Coil Leads	Р	Plug-In

Note: Use "0" With MJ, MM & K Type Connectors

6 - Manual Operator

- 0 NO OPERATOR
- 1 Recessed Non Locking Operator3 Extended Non Locking Operator
- 2 Recessed Locking Operator
- 4 Extended Locking Operator

7 - Electrical Connector

- BA Flying Leads
- BB Flying Leads w/ground
- BC Flying Leads w/LED Light
- BD Flying Leads w/LED Light & Ground
- BE Flying Leads w/Suppression Diode
- BF Flying Leads w/Suppression Diode & Ground
- BG Flying Leads w/Suppression Diode Plus LED Light
- BH Flying Leads w/Suppression Diode Plus LED Light & Ground
- KD Mini plug-in with light
- KJ Mini plug-in male only















47 SERIES REGULATOR & FLOW CONTROL

PR47A - X X X X - X T T T T T 1 2 3 4 5

1 - Adjustment Method

Manual Adjust w/ Screwdriver Slot

A Plug-In B Non Plug-In

C Regulator Only Manual Adjust w/ Knob

E Plug-In F Non Plug-In

G Regulator Only

Manual Adjust w/ Screwdriver Slot and Locknut

J Plug-In K Non Plug-In

L Regulator Only

2 - Configuration

O Regulator Only A Sandwich Regulator Block 3 - Gauge Port Option

A No Gauge Port B Gauge Port (plugged)

C Gauge (order separately)

4 - Pressure Range

A 0 to 120 psi B 0 to 80 psi

C 0 to 30 psi

5 - Assembly

9 Assembled to Valve/Bar

Gauges

24177-160 23mm 0to160 psi 24165-150 15mm 0to150 psi 24177-100 23mm 0to100 psi 24177-060 23mm 0to60 psi

Flow Control Pricing

FC47A-AA Plug-In Sandwich Flow Control Block FC47A-BA Non Plug-In Sandwich Flow Control Block

47 SERIES EBM CIRCUIT BAR

Valves and cover plates assembled to bar

1 - Spacing

01 20mm spacing

2 - Configuration

Bottom cylinder ports Bottom cylinder ports w/ flow controls В С No cylinder ports No cylinder ports w/ flow controls

Bottom cylinder ports F Bottom cylinder ports w/ flow controls Ε

No cylinder ports w/ flow controls G No cylinder ports Side cylinder ports Side cylinder ports w/ regulator

Bottom cylinder ports Bottom cylinder ports w/ regulator N No cylinder ports w/ regulator

No cylinder ports

3 - Style

A Standard bar B Add-On-Style (includes end plate)

C Add-A-Unit (single station)

4 - Cylinder Port Size and Thread Type

C 1/8" BSPPL D 1/4" BSPPL

L BSPPL Commons

5 - Stations

Number of stations (01, 02, 03, etc.)

Accessories

Blank station cover plate (17.5mm) M-47001 M-47002 Blank station cover plate (19.5mm) M-47004-01P Right hand end plate kit (35mm) M-47005-01P Right hand end plate kit (44mm)

Note: Regulators must be ordered separately.

47 SERIES ECD CIRCUIT BAR

ECD47A - XX X X X - XX - XX - XX - 1 234 5 6 Valves and cover plates assembled to bar

1 - Spacing

00 18mm Spacing 01 30mm Spacing

2 - Configuration

A Side Cylinder Ports B Bottom Cylinder Ports

C Bottom Cylinder Ports with Regulator

3 - Style

A Standard bar B Add-On-Style (Includes end plate)

C Add-A-Unit (single station)

4 - Port Size & Thread Type

C 1/8" BSPPL D 1/4" BSPPL

5 - Terminal Strip/Lights

AO Standard (No Light) AB Standard w/Light (240 Volt)

AD Standard w/Light (24 Volt)

6 - Stations

Number of Stations (01, 02, 03, etc.)

Accessories

M-47001 Blank station cover plate (17.5mm)

M-47003-01P End plate kit

16520 Wire connector protector for blank station

Note: Regulator must be ordered separately.