

The MAC 37 Series valve is a high flow direct solenoid operated 3-way poppet valve. It features a short stroke solenoid with oval armature, balanced poppet and powerful return spring. These features translate into high shifting forces, fast consistent response times, high flow in a small package and long life.

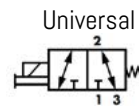
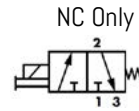
For more info regarding voltage, plug options, & certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

Stock Part Number: 37A-AF0-HDAA-1BC

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2	1/8"	0.50 Cv	Vac. to 120PSI	Inline

OPERATIONAL BENEFITS

- Balanced poppet equals consistent high shifting forces.
- Valve shifting forces are consistent and independent of pressure fluctuations.
- High solenoid and return spring forces ensure high speed and precise repeatability.
- Built-in wear compensation – valve stroke is shorter than solenoid stroke.
- Constant high flow maintained throughout the pressure range.
- Exhaust contaminants are isolated from the solenoid.
- Full flow exhaust.
- Universal porting – 6 functions in one valve.



37 SERIES

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37A - $\begin{matrix} X & X & X \\ \hline 1 & 2 & 3 \end{matrix}$ - H $\begin{matrix} XX & X & X & XX \\ \hline 4 & 5 & 6 & 7 \end{matrix}$

1 - Body Configuration

- 0 Base Only
- A 3 Port Universal Inline

2 - Port Size & Thread Type

- D 1/4 BSPPL

3 - Style

- 0 Inline / Valve Only
- A Individual Base Non Plug-In

37 SERIES SOLENOID OPTIONS

H $\begin{matrix} XX & X & X & XX \\ \hline 4 & 5 & 6 & 7 \end{matrix}$

4 - Voltage

- AA 110 VAC (6.7w) (Req. full wave Rectifier in Cover)
- AB 220 VAC (5.6w) (Req. full Wave Rectifier in Cover)
- AC 240 VAC (5.8w) (Req. full Wave Rectifier in Cover)
- AD 24 VAC (7.8w) (Req. full Wave Rectifier in Cover)
- DA 24 VDC (5.2w)
- DB 24 VDC (24w)
- DF 12 VDC (5.2w)
- DG 12 VDC (24w)

5 - Lead Wire Length

- 0 No Lead Wire
- A 18" Coil Leads

6 - Manual Operator

- 0 No Operator
- 1 Recessed Non Locking Operator
- 2 Recessed Locking Operator
- 3 Extended Non Locking Operator
- 4 Extended Locking Operator

7 - Electrical Connector

- BA Flying Leads
- KA Mini Plug-In
- KB Mini Plug-In w/ Diode
- KC Mini Plug-In w/ Mov
- KD Mini Plug-In w/ Light

Note: USE "0" WITH MJ & MM OPTIONS and "K" Type Connectors



37 SERIES - REGULATOR

PR37A - $\begin{matrix} X & X & X & X & X \\ T & T & T & T & T \\ 1 & 2 & 3 & 4 & 5 \end{matrix}$

1 - Adjustment Method

Manual Adjust w/ Screwdriver Slot

- A Plug-In
- B Non Plug-In
- C Regulator Only
- D Regulator Only Non Plug-In w/ Gage Port Extension

Manual Adjust w/ Knob

- E Plug-In
- F Non Plug-In
- G Regulator Only
- H Regulator Only Non Plug-In w/ Gage Port Extension

Manual Adjust w/ Screwdriver Slot and Locknut

- J Plug-In
- K Non Plug-In
- L Regulator Only
- M Regulator Only Non Plug-In w/ Gage Port Extension

2 - Configuration

- O Regulator Only
- A Sandwich Regulator Block

3 - Gauge Port Option

- A No Gage Port
- B Gage Port (plugged)
- C Gage (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

24165-150	15mm 0 to 150 psi
24177-160	23mm 0 to 160 psi
24177-100	23mm 0 to 100 psi
24177-060	23mm 0 to 60 psi

37 SERIES - EBM CIRCUIT BAR

EBM37A - $\begin{matrix} XX & X & X & X & X \\ T & T & T & T & T \\ 1 & 2 & 3 & 4 & 5 \end{matrix}$ - 9
Valves and cover plates assembled to bar

1 - Spacing

- 00 18mm spacing
- 01 20mm spacing

2 - Configuration

- A Side cylinder port
- B Bottom cylinder port
- C No cylinder port
- D Side cylinder port
- E Bottom cylinder port
- F Side cylinder port with regulator
- G Bottom cylinder port with regulator
- H No cylinder port
- J No cylinder port with regulator

Note: Regulator priced separately

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

- M BSPTR Commons

5 - Stations

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

Accessories

M-37001	Blank station cover plate (17.5mm)
M-37002	Blank station cover plate (19.5mm)
M-37005-01P	Right hand end plate kit
28438	Inlet/Exhaust Isolator



37 SERIES - ECD CIRCUIT BAR

ECD37A - $\begin{matrix} XX & X & X & X & X & X \\ T & T & T & T & T & T \\ 1 & 2 & 3 & 4 & 5 & 6 \end{matrix}$ - 9
Valves and cover plates assembled to bar

1 - Spacing

- 00 18mm spacing
- 01 30mm spacing

2 - Configuration

- A Side cylinder port
- B Bottom cylinder port
- C Bottom cylinder port with regulator

Note: Regulator priced separately

3 - Style

- A Standard Bar
- D Standard Bar
- E Add-On Style (Includes End Plate)
- F Add-A-Unit (single station)

4 - Cylinder Port Size and Thread Type

- D 1/4" BSPPL AB Light (240v)
- AD No light AD Light (24v)
- AA Light (120v)

6 - Stations

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

Accessories

M-37001	Blank station cover plate (17.5mm)
M-37003-01P	End plate kit (32.5mm)
M-37004-01P	End plate kit (44mm)
16520	Wire connector protector for blank station
28438	Inlet/Exhaust Isolator

