

The MAC 36 Series is a high flow, direct solenoid operated 3-way poppet valve. It features a short stroke solenoid with oval armature and a powerful return spring and balanced poppet. These features translate into high shifting forces, fast consistent response times, high flow in a small package and long life.

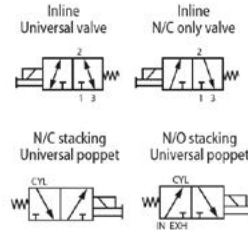
For more info regarding voltage, plug options, & certifications (such as UL, CSA, RoHS and CE) please ask our team at Mac Valves Pacific.

Stock Part Number: 36A-ACA-JDBA-OBL Mod 532S, 36A-B00-JDAA-1GA

Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2	1/8"	0.3 Cv	Vac. to 120PSI	Inline

OPERATIONAL BENEFITS

- Balanced poppet, immune to variations of pressure.
- Patented solenoid develops high shifting forces.
- Short stroke with high flow.
- Higher forces result in lower wattages for given flow.
- Powerful return spring.



36 SERIES

36 SERIES + SOLENOID OPTIONS

36A - X X X - J XX X - X XX (G)
 1 2 3 4 5 6 7 8

1 - Body Type

Inline

A Inline Body

Base Mount

- B Base Mount Body (Universal) - For use with Circuit Bars
- E Base Mount Body (N.C. Only) - For use with Circuit Bars
- J Base Mount Body - Universal Normally Closed

Stacking Body

- S Stacking Body
- T Stacking Body with Bottom Inlet

2 - Port Size And Thread Type

- 0 Base Mount Body Only
- C 1/8" BSPPL
- D M5 (Metric) (Stacking Body Only)
- 1 Base Mount Body ("J" Only) - For use with plastic cover
- 2 Base Mount Body w/ Light ("J" Only) - For use with plastic cover

3 - Configuration

- 0 Base Mount Body Only
- A Inline Universal
- B Inline/Stacking N.C. Only
- C Stacking (Universal Poppet - N.C.)
- D Stacking (Universal Poppet - N.O.)

4 - Operator

- J SOLENOID

5 - Voltage

- | | |
|------------------|--------------------------------|
| AA 120 VAC (54W) | DE 24 VDC (1.8W) |
| AC 24 VAC (54W) | DF 12 VDC (1.8W) |
| DA 24 VDC (54W) | LA 120 VAC (54w) - Max Cv 0.23 |
| DB 12 VDC (54W) | LB 24 VAC (54w) - Max Cv 0.23 |
| DC 24 VDC (24W) | MA 24 VDC (54w) - Max Cv 0.23 |
| DD 12 VDC (24W) | MB 12 VDC (54w) - Max Cv 0.23 |

6 - Lead Wire Length

- 0 No Lead Wires (Use only with J, K, & L type connectors)
- A 18" Leads
- B 24" Leads
- C 36" Leads
- D 48" Leads
- E 72" Leads
- F 96" Leads

7 - Manual Operator

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

8 - Electrical Cover Connection

- BA Flying Leads
- GA MAC JAC Solenoid Plug-In
- GB MAC JAC Solenoid Plug-In w/ Diode
- GC MAC JAC Solenoid Plug-In w/ MOV
- GD MAC JAC Solenoid Plug-In w/ Light
- GE MAC JAC Solenoid Plug-In w/ Diode and Light
- GF MAC JAC Solenoid Plug-In w/ MOV and light
- GG MAC JAC Solenoid Plug-In w/ Rectifier
- GH MAC JAC Solenoid Plug-In w/ Rectifier and Light
- GJ MAC JAC Solenoid Plug-In (Male Only)
- GK MAC JAC Solenoid Plug-In w/ Diode (Male Only)
- GL MAC JAC Solenoid Plug-In w/ MOV (Male Only)
- GM MAC JAC Solenoid Plug-In w/ LED (Male Only)
- GN MAC JAC Solenoid Plug-In w/ Diode and LED (Male Only)
- GP MAC JAC Solenoid Plug-In w/ MOV and LED (Male Only)
- GR MAC JAC Solenoid Plug-In w/ Rectifier (Male Only)
- GS MAC JAC Solenoid Plug-In w/ Rectifier and LED (Male Only)
- JA Square Connector
- JC Square Connector w/ Light
- JE Square Connector w/ Diode
- JF Square Connector w/ Mov
- JG Square Connector w/ Diode & Light
- JH Square Connector w/ Mov & Light
- JK Square Connector w/ Rectifier
- JL Square Connector w/ Rectifier w/ Light
- JJ Square Connector Male Only
- JB Rectangular Connector
- JD Rectangular Connector w/ Light
- JN Rectangular Connector w/ Diode
- JP Rectangular Connector w/ Mov
- JR Rectangular Connector w/ Diode & Light
- JS Rectangular Connector w/ Mov & Light
- JT Rectangular Connector w/ Rectifier
- JU Rectangular Connector w/ Rectifier w/Light
- JM Rectangular Connector Male Only



Continued next page

9 - Ground

G Ground Pin/Wire

Accessories

M-36001-01P	Stacking End Plate Kit
N-36001	Inlet and Exhaust Isolator - Stacking
N-36002	Inlet Isolator - Stacking
N-36003	Exhaust Isolator - Stacking

94mm Pin Spacing

KA	Mini Plug-In
KB	Mini Plug-In w/ Diode
KC	Mini Plug-In w/ Mov
KD	Mini Plug-In w/ Light
KE	Mini Plug-In w/ Diode & Light

KF	Mini Plug-In w/ Mov & Light
KG	Mini Plug-In w/ Rectifier
KH	Mini Plug-In w/ Rectifier & Light
KJ	Mini Plug-In - Male Only
KK	Mini Plug-In w/ Diode - Male Only
KL	Mini Plug-In w/ MOV - Male Only
KM	Mini Plug-In w/ Light - Male Only
KN	Mini Plug-In w/ Diode & Light - Male Only
KP	Mini Plug-In w/ MOV & Light - Male Only
KR	Mini Plug-In w/ Rectifier - Male Only
KS	Mini Plug-In w/ Rectifier & Light - Male Only

36 SERIES - PLUG-IN MANIFOLD

36A - $\begin{matrix} X & X & X & - & X & X & - & J & XX & P & - & X & XX & (G) \\ \downarrow & \downarrow & \downarrow & & \downarrow & \downarrow & & \downarrow & \downarrow & \downarrow & & \downarrow & \downarrow & \downarrow \\ 1 & 2 & 3 & & 4 & 5 & & 6 & 7 & 8 & & 9 & 10 & 11 \end{matrix}$ When ground is required

1 - Body Type

0	Base only
J	Base Mount Body Universal Valve N.C.
K	Base Mount Body Universal Valve N.O.
L	Base Mount Body N.C. Only Valve

2 - Manifold Style

0	Valve only
S	Plug-in (12" base leads)

3 - Port Size & Thread Type

0	Valve only
A	1/8" NPT
C	1/8" BSPPL
E	1/8" BSPTR
F	5/32 Pressed-in tube receptacle

4 - Manifold Wiring

0	Valve only
A	Plug-In

5 - Manifold Configuration

0	Valve only
E	N.C. Manifold Side Cyl. Port
F	N.O. Manifold Side Cyl. Port
G	N.C. Manifold Bottom Cyl. Port & Reg w/ Slotted Stem
H	N.O. Manifold Bottom Cyl. Port & Reg w/ Slotted Stem
J	N.C. Manifold Bottom Cyl. Port & Reg w/ Adjusting Knob
K	N.O. Manifold Bottom Cyl. Port & Reg w/ Adjusting Knob
S	N.C. Manifold Bottom Cyl. Port & Reg w/ Locking Stem
T	N.O. Manifold Bottom Cyl. Port & Reg w/ Locking Stem

6 - Solenoid

J	Solenoid
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7 - Voltage - * MaxCv = 0.3, **MaxCv=0.23

AA	120 VAC (54w)*	DE	24 VDC (1.8w)
AC	24 VAC (54w)*	DF	12 VDC (1.8w)
DA	24 VDC (54w)*	LA	120 VAC (54w)**
DB	12 VDC (54w)*	LB	24 VAC (54w)**
DC	24 VDC (24w)	MA	24 VDC (54w)**
DD	12 VDC (24w)	MB	12 VDC (54w)**

8 - Lead Wire

P	Plug-in
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9 - Manual Operator

0	No operator
1	Recessed non-locking operator
2	Recessed locking operator
3	Extended non-locking operator
4	Extended locking operator

10 - Electrical Connection

FA	Base Plug-In
FB	Base Plug-In with Diode
FC	Base Plug-In with MOV
FD	Base Plug-In with LED
FE	Base Plug-In with Diode and LED
FF	Base Plug-In with MOV and LED
FG	Base Plug-In with Rectifier
FH	Base Plug-In with Rectifier and LED

11 - Ground

G	Ground Pin/Wire
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Parts

M-46003-01P	End plate kit
M-36003	Valve and Electrical Blanking Plate
M-46002	Valve blanking plate
28502	Exhaust isolator
285012	Inlet isolator
632996	Electrical Plug-In Protector



36 SERIES - MACONNECT

36A - $\overset{\text{1}}{\text{X}} \overset{\text{2}}{\text{X}} \overset{\text{3}}{\text{X}} - \overset{\text{4}}{\text{X}} \overset{\text{5}}{\text{X}} - \overset{\text{6}}{\text{J}} \overset{\text{7}}{\text{XX}} \overset{\text{8}}{\text{P}} - \overset{\text{9}}{\text{X}} \overset{\text{10}}{\text{XX}} \overset{\text{11}}{\text{(G)}}$
When ground is required

1 - Body Type

- 0 Base only
- J Base Mount Body Universal Valve N.C.
- K Base Mount Body Universal Valve N.O.
- L Base Mount Body N.C. Only Valve

2 - Style

- 0 Valve only
- M MACConnect

3 - Port Size & Thread Type

- 0 Valve only
- C 1/8" BSPPL
- F 5/32 Pressed-in tube receptacle

4 - Base Electrical

- 0 Valve only
- A Plug-In To Left
- B Plug-In To Right

5 - Manifold Configuration

- 0 Valve only
- E N.C. Manifold Side Cyl. Port
- F N.O. Manifold Side Cyl. Port
- G N.C. Manifold Bottom Cyl. Port & Reg w/Slotted Stem
- H N.O. Manifold Bottom Cyl. Port & Reg w/Slotted Stem
- J N.C. Manifold Bottom Cyl. Port & Reg w/Adjusting Knob
- K N.O. Manifold Bottom Cyl. Port & Reg w/Adjusting Knob
- S N.C. Manifold Bottom Cyl. Port & Reg w/Locking Stem
- T N.O. Manifold Bottom Cyl. Port & Reg w/Locking Stem

6 - Solenoid

- J Solenoid

7 - Voltage

- AA 120 VAC (54w) Cv to 0.3
- AC 24 VAC (54w) Cv to 0.3
- DA 24 VDC (54w) Cv to 0.3
- DB 12 VDC (54w) Cv to 0.3
- DC 24 VDC (24w)
- DD 12 VDC (24w)

8 - Lead Wire

- P Plug-in

9 - Manual Operator

- 0 No operator
- 1 Recessed non-locking operator
- 2 Recessed locking operator
- 3 Extended non-locking operator
- 4 Extended locking operator

10 - Electrical Connection

- FA Base Plug-In
- FB Base Plug-In with Diode (Positive Common)
- FC Base Plug-In with MOV
- FD Base Plug-In with LED
- FE Base Plug-In with Diode and LED (Positive Common)
- FF Base Plug-In with MOV and LED
- FG Base Plug-In with Rectifier
- FH Base Plug-In with Rectifier and LED
- FJ Base Plug-In with Diode (Negative Common)
- FK Base Plug-In with Diode and LED (Negative Common)

11 - Ground

- G Ground Pin/Wire

Parts

M-46002	Valve blanking plate
M-36003	Valve and Electrical Blanking Plate
28502	Exhaust isolator
28501	Inlet isolator
63299	Electrical Plug-In Protector
M-46006-01-01P	Fastening End Plate Kit (Left End)
M-46006-02-01P	Fastening End Plate Kit (Right End)

36 SERIES - MACONNECT ADAPTER ASSEMBLY

M - 46005 - $\overset{\text{1}}{\text{XX}} \overset{\text{2}}{\text{X}} \overset{\text{3}}{\text{X}}$

1 - Type of Connector

- 09 9 Pin Sub D
- 10 10 Pin
- 15 15 Pin Sub D
- 16 16 Pin
- 20 20 Pin
- 24 24 Pin Amp CPC
- 25 25 Pin Sub D
- 26 26 Pin

2 - Location of Adapter

- 1 Left End
- 2 Right End

3 - Thread Type

- Blank (NPTF Threads)
- P BSPPL Threads
- T BSPTR Threads

Modifications

- MOD 1974 Negative commons

Note: For washdown approved Sub D connectors use MOD 532M



36 SERIES - CIRCUIT BAR NON PLUG-IN

EBM36A - $\frac{XX}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} - \frac{XX}{5} - \frac{9}{6}$ Valves and cover plates assembled to bar

1 - Spacing

00 16.5mm Spacing

2 - Configuration

- A Side Cylinder Port
- B Bottom Cylinder Port
- C Bottom Cylinder Port with Regulator
- D Side Cylinder Port with Regulator

3 - Style

- A Standard

4 - Port Size & Thread Type

- B 1/8" BSPPL
- E 5/32 Pressed-In Tube Receptacle w/ BSPPL Through Ports

5 - Stations

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

Accessories

- M-36002 Valve Blanking Plate
- N-46004 Regulator Blanking Plate

Note: Regulator must be ordered separately.

36 SERIES - ECD PLUG-IN CIRCUIT BAR

ECD36A - $\frac{XX}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} - \frac{XX}{5} - \frac{XX}{6} - \frac{9}{7}$ Valves and cover plates assembled to bar

1 - Spacing

00 16.5mm Spacing

2 - Configuration

- A Side Cylinder Port
- B Bottom Cylinder Port
- C Bottom Cylinder Port with Regulator

3 - Style

- A Standard

4 - Port Size & Thread Type

- B 1/8" BSPPL
- E 5/32 Pressed-In Tube Receptacle with BSPPL Through Ports

5 - Lights

- A0 Standard (No Light)

6 - Stations

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

Accessories

- M-36002 Valve Blanking Plate
- 63299 Electrical Plug-In Protector

Note: Regulator must be ordered separately

36 SERIES - REGULATOR

PR46A - $\frac{X}{1} \frac{X}{2} \frac{X}{3} \frac{X}{4} - \frac{9}{5}$ Valves and cover plates assembled to bar

1 - Style

- 0 Regulator Only

2 - Adjustment

- A Slotted Stem
- B Adjusting Knob
- C Slotted Stem with Locknut

3 - Gage

- A Gage Port Plugged

4 - Pressure Range

- A 0-120 psi
- B 0-80 psi
- C 0-30 psi