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Find the *MAC 36A-B00-JDAA-1BA* at our website: *Click HERE*

35 SERIES CIRCUIT BAR NON PLUG-IN

EBM35A - XX X X - XX - 9
1 2 3 4

Valves and cover plates assembled to bar

1 - Spacing
00 21mm Spacing

2 - Configuration
1 Side Cylinder Port

3 - Regulator with Side Cylinder Port
3 Port Size & Thread Type
C 1/8" BSPPL

4 - Stations
Number of Stations (02, 03, 04, etc.)

Accessories
M-35004 Valve Blanking Plate
M-35005 Regulator Blanking Plate
Manifold accessories
35A-00L Slotted Stem
35A-00M Adjusting Knob
35A-00U Locking Stem

Note: Regulator must be ordered separately.

35 SERIES CIRCUIT BAR COMMON CONDUIT

ECC35A - XX X X - XX - XX - 9
1 2 3 4 5

Valves and cover plates assembled to bar

1 - Spacing
00 21mm Spacing
03* 30mm Spacing
* Required Spacing for Terminal Strip with Light

2 - Configuration
1 Side Cylinder Port (21mm)
4 Regulator with Bottom Cylinder Port (21mm)

3 - Port Size & Thread Type
C 1/8" BSPPL
M 1/8" BSPTR

4 - Terminal Strip/Lights
A0 Standard (No Light) (21mm)
AA Standard w/Light (120 Volt) (21mm)
AB Standard w/Light (240 Volt) (21mm)
AD Standard w/Light (24 Volt) (21mm)

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

Accessories
M-35004 Valve Blanking Plate
M-35005 Regulator Blanking Plate

Regulators
35A-00L Slotted Stem
35A-00M Adjusting Knob
35A-00U Locking Stem

Note: Regulator must be ordered separately.

35 SERIES CIRCUIT BAR PLUG-IN COMMON CONDUIT

ECD35A - XX X X - XX - XX - 9
1 2 3 4 5

1 - Spacing
00 21mm Spacing
03* 30mm Spacing
*Required Spacing for Terminal
Strip with Light for the ECD Type Bar

2 - Configuration
1 Side Cylinder Port (21mm)
4 Regulator with Bottom Cylinder Port (21mm)

3 - Port Size & Thread Type
C 1/8" BSPPL

4 - Terminal Strip/Light
A0 Standard (No Light)
AA Standard w/Light (120 Volt)
AB Standard w/Light (240 Volt)
AD Standard w/Light (24 Volt)

5 - Stations
Number of Stations Required (01, 02, 03, etc.)

Accessories

M-35004	Valve Blanking Plate
M-35005	Regulator Blanking Plate

Regulators

35A-00L	Slotted Stem
35A-00M	Adjusting Knob
35A-00U	Locking Stem

Modifications

MOD 1065 (Wiring Charge)	Pre-Wired Option for ECD Bar Only

Note: Regulator must be ordered separately.

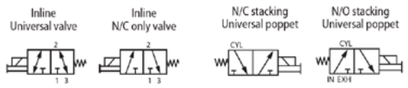
36 SERIES

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 consistant response times, high flow in a small package 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: 36A-ACA-JDBA-0BL 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

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

36 SERIES

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 (For use with plastic cover)
2* Base Mount Body w/ Light (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.)

*Use only with Base Mount Body option "J"

36 SERIES SOLENOID OPTIONS

J XX X - X XX (G)
4 5 6 7 8 9 - *When ground is required*

4 - Operator
J SOLENOID

5 - Voltage

AA	120 VAC (5.4W)	LA	120 VAC (5.4w) - Max Cv = 0.23
AC	24 VAC (5.4W)	LB	24 VAC (5.4w) - Max Cv = 0.23
DA	24 VDC (5.4W)	MA	24 VDC (5.4w) - Max Cv = 0.23
DB	12 VDC (5.4W)	MB	12 VDC (5.4w) - Max Cv = 0.23
DC	24 VDC (2.4W)		
DD	12 VDC (2.4W)		
DE	24 VDC (1.8W)		
DF	12 VDC (1.8W)		

6 - Lead Wire Length
0 NO LEAD WIRES (use only with "J", "K", and "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/ Rectifi er
GH MAC JAC Solenoid Plug-In w/ Rectifi er 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/ Rectifi er (Male Only)
GS MAC JAC Solenoid Plug-In w/ Rectifi er 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 CONNECOTR W / RECTIFIER W / LIGHT
JJ SQUARE CONNECOTR MALE ONLY
JB RECTANGULAR CONNECTOR

Continued on next page

SMALL 3-WAY

8 - Electrical Cover Connection (Contd.)

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

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

9.4 mm 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 - X X X - X X - J XX P - X XX (G)
1 2 3 4 5 6 7 8 9 10 11 - *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

7 - Voltage

AA 120 VAC (5.4w) - Max Cv = 0.3
AC 24 VAC (5.4w) - Max Cv = 0.3
DA 24 VDC (5.4w) - Max Cv = 0.3
DB 12 VDC (5.4w) - Max Cv = 0.3
DC 24 VDC (2.4w)
DD 12 VDC (2.4w)
DE 24 VDC (1.8w)
DF 12 VDC (1.8w)
LA 120 VAC (5.4w) - Max Cv = 0.23
LB 24 VAC (5.4w) - Max Cv = 0.23
MA 24 VDC (5.4w) - Max Cv = 0.23
MB 12 VDC (5.4w) - Max Cv = 0.23

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
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

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 - X X X - X X - J XX P - X XX (G)
1 2 3 4 5 6 7 8 9 10 11

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 MAConnect

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 (5.4w) Cv to 0.3	LA	120 VAC (5.4w) Cv to 0.23
AC	24 VAC (5.4w) Cv to 0.3	LB	24 VAC (5.4w) Cv to 0.23
DA	24 VDC (5.4w) Cv to 0.3	MA	24 VDC (5.4w) Cv to 0.23
DB	12 VDC (5.4w) Cv to 0.3	MB	12 VDC (5.4w) Cv to 0.23
DC	24 VDC (2.4w)	DE	24 VDC (1.8w)
DD	12 VDC (2.4w)	DF	12 VDC (1.8w)

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 Plg-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 - XX X X
1 2 3

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 - XX X X X - XX - 9
1 2 3 4 5 - *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 - XX X X X - XX - XX - 9
1 2 3 4 5 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

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 - X X X X - 9
1 2 3 4 - *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

37 SERIES

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 consistant response times, high flow in a small package 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: 37A-AF0-HDAA-1BC

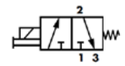


Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
3/2	1/8"	0.50 Cv	Vac. to 120PSI	Inline

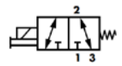
OPERATIONAL BENEFITS

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

NC Only



Universal



37 SERIES

37A - X X X - H XX X - X XX
1 2 3 4 5 6 7

1 - Body Configuration
0 Base Only
A 3 Port Universal Inline
B 3 Port N.C. Only Inline
D Base Mount N.C. Only No Port In Body
E Base Mount Universal Cyl Port In Body (19.5mm)
F Base Mount N.C. Only Cyl Port In Body(19.5mm)
G Base Mount Universal w/ Gage Port
H Base Mount N.C. Only w/ Gage Port

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 XX X - X XX
4 5 6 7

4 - Voltage
AA 120 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 Rectifi er in Cover)
AD 24 VAC (7.8w) (Req. full Wave Rectifi er in Cover)
DA 24 VDC (5.2w)
DB 24 VDC (2.4w)
DC 24 VDC (1.8w)
DF 12 VDC (5.2w)
DG 12 VDC (2.4w)
DH 12 VDC (1.8w)

5 - Lead Wire Length
0 NO LEAD WIRE
A 18" COIL LEADS

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

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/ M.O.V.
KD MINI PLUG-IN W/ LIGHT
KE MINI PLUG-IN W/ LIGHT AND DIODE
KF MINI PLUG-IN W/ LIGHT AND M.O.V.
KG MINI PLUG-IN W/ LED LIGHT AND DIODE
KJ MINI PLUG-IN MALE ONLY
KK MINI PLUG-IN MALE ONLY W/ DIODE
KL MINI PLUG-IN MALE ONLY W/ M.O.V.
KM MINI PLUG-IN W/ RECTIFIER
KN MINI PLUG-IN W/ M.O.V. AND RECTIFIER

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