

# 44 SERIES

The MAC 44 series is a direct solenoid operated 4-way, 10mm poppet valve. A direct operated 4-way of this small package size is unique to MAC due to patented design innovations. It features an oval armature in the solenoid, a balanced poppet and conical seats. These features translate into high shifting forces, fast consistent 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:** 44C-ABA-GDCA-1KT

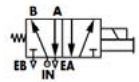
Function	Port size	Flow (Max)	Pressure Range	Individual Mounting
5/2	M5	0.1 Cv	Vac. to 120PSI	Inline

### OPERATIONAL BENEFITS

- 10 mm valve, direct solenoid operated.
- Balanced poppet, immune to variations of pressure.
- Short stroke with high flow.
- The patented solenoid develops high shifting forces.
- Powerful return spring.
- Flow is specifically adjusted on each valve.
- Manual operator standard on all valves.



44 SERIES



### 44 SERIES - INLINE & BASE MOUNT VALVES

44B/C -  $\frac{X}{1} \frac{XX}{2}$  - G XX X - X XX  
L XX X - X XX

#### 1 - Body Type

- A Individual inline
- L Base mount body

#### 2 - Port Size And Thread Type

- 00 Base Mount Body Only
- BA Individual Body (M5)

### 44 SERIES - STANDARD SOLENOID OPTIONS

G  $\frac{XX}{3} \frac{X}{4} - \frac{X}{5} \frac{XX}{6}$

#### 3 - Voltage

- |  |                  |
|--|------------------|
| AB 240 VAC (4.0W)<br>(Use with "HA" or "HD" Connector) | DC 24 VDC (1.8W) |
| AC 24 VAC (4.0W)                                       | DF 24 VDC (4.0W) |
| DA 24 VDC (1.0W)                                       | DJ 12 VDC (1.8W) |
|  | DN 12 VDC (4.0W) |
|  | DS 6 VDC (3.0W)  |

#### 4 - Lead Wire Length

- 0 No Lead Wire
- A 18" Coil Leads
- P Plug-IN

#### 5 - Manual Operator

- 1 Recessed non-locking operator
- 2 Recessed Locking Operator
- 3 Extended Non Locking Operator
- 4 Extended Locking Operator

#### 6 - Electrical Connector

- BA Flying leads - STANDARD STOCK Non Plug-In Valves
- GA MAC JAC Solenoid Plug-In

SMALL 3-WAY

LARGE 3-WAY

SMALL 4-WAY

LARGE 4-WAY

ISO VALVES

PPC VALVES

PULSE VALVES

BULLET VALVES

## 44 SERIES - PLUG-IN MANIFOLD

44B/C -  $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$  -  $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$  - G XX X - X XX  
 1 2 3 4 5 L XX X - X XX

### 1 - Body Type

- 0 Base only
- L Base mount body

### 2 - Manifold Style

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

### 3 - Port Size & Thread Type

- 0 Valve only
- B M5 Metric

### 4 - Manifold Wiring

- 0 Valve only
- A Plug-in 2 wire (latching or single solenoid)
- B Plug-in 3 wire (latching or double solenoid)
- C Plug-in 4 wire (latching)
- F M7 Manifold Port Size

### 5 - Manifold Configuration

- 0 Valve only
- C Side Ports
- D Bottom Ports
- E Side Ports w/flow controls
- F Bottom Ports w/flow controls
- G Bottom cylinder's w/reg. (adjusting knob)
- H Bottom cylinder's w/reg. (adjusting knob) & flow controls

Base Only Examples

44B-0SA-AC (Use with "G" Solenoid)

## 44 SERIES - REGULATOR

PR44A -  $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$  -  $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   
 1 2 3 4 5

### 1 - Type of Adjustment

- A Manual adjust knob

### 2 - Configuration

- 0 Regulator (Standard)

### 3 - Gauge Port Option

- A Standard (No gauge port)
- B Gage port (plugged)

### 4 - Pressure Range

- A 0-100 PSI
- B 0-60 PSI
- C 0-40 PSI
- D 0-15 PSI

### 5 - Assembly

- 9 Regulator Block Assembled to Bar

## 44 SERIES - CIRCUIT BAR NON PLUG-IN

EBM44A -  $\overset{\text{XX}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$   $\overset{\text{X}}{\underset{\text{T}}{\text{T}}}$  -  $\overset{\text{XX}}{\underset{\text{T}}{\text{T}}}$  - 9  
 1 2 3 4 Valves & cover plates assembled to Valve

### 1 - Spacing

- 00 10.5mm Spacing

### 2 - Profile

- 1 12mm low profile
- 2 16mm high profile

### 3 - Port Size & Thread Type

- C 1/8" BSPPL
- D M5 Metric

### 4 - Stations

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

