



8 m m v a l v e

Function	Port size	Flow (Max)	Circuit bar mounting
3/2 NC	M3, M5, #10-32, 1/8 tube recept	82 NI/min	Non plug-in cylinder ports in bar

OPERATIONAL BENEFITS

1. 8mm valve direct solenoid operated.
2. Balanced poppet, immune to pressure variations.
3. Short stroke with high flow.
4. Patented solenoid develops high shifting forces.
5. Low wattage solenoids.
6. Powerful return spring.
7. Extremely fast response times.

Patents and patents pending



HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR

Port size (see base)	N.C. Only	N.C. Only **
Valve less base	33A-L0B-R xxx-xxx	33A-M0B-R xxx-xxx

** For use only with solenoids above 4.0 W - MOD number required. (Consult factory)

SOLENOID OPERATOR ➤

R **xxx-xxx**

XX Voltage	X Lead wire length	X Manual operator	XX Electrical connection
DA 24 VDC (0.5W)	0 No Lead wire*	0 No manual operator	BA Flying leads
DB 24 VDC (1.0W)	A 18"	1 Non-locking recessed	BB Flying leads w/LED
DC 24 VDC (1.8W)	B 24"	3 Non-locking extended	BC Flying leads w/MOV
DF 24 VDC (4.0W)	C 36"		BD Flying leads w/LED & MOV
DG 12 VDC (0.5W)	D 48"		
DH 12 VDC (1.0W)	E 72"		TA JST Solenoid plug-in
DJ 12 VDC (1.8W)			TB JST Solenoid plug-in w/LED
DM 12 VDC (4.0W)			TC JST Solenoid plug-in w/MOV
			TD JST Solenoid plug-in w/LED & MOV

* Not available for flying leads connectors

HOW TO ORDER CIRCUIT BAR

Port size	Side cylinder ports	Bottom cylinder ports
M3	EBM33A-001AA- xx	EBM33A-002AA- xx
#10-32	EBM33A-001AD- xx	EBM33A-002AD- xx
M5	EBM33A-001AG- xx	EBM33A-002AG- xx
1/8" tube receptacle	EBM33A-001AK- xx	EBM33A-002AK- xx

XX = Number of stations (03 = 3 stations)

Consult "Precautions" before use, installation or service of MAC Valves (see our general catalogue).

TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Vacuum to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40μ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	4W: 82 NI/min - 3W: 62 NI/min - 2.5W: 62 NI/min - 1.8W: 55 NI/min - 1.0W: 30 NI/min - 0.5W: 20 NI/min
Coil :	Class A wire (#26 AWG x18), continuous duty
Voltage range :	-15% to +10% of nominal voltage
Power :	4.0W - 3.0W - 2.5W - 1.8W - 1.0W - 0.5W

DIMENSIONS

Dimensions shown are metric (mm)

