MAC

33 Series

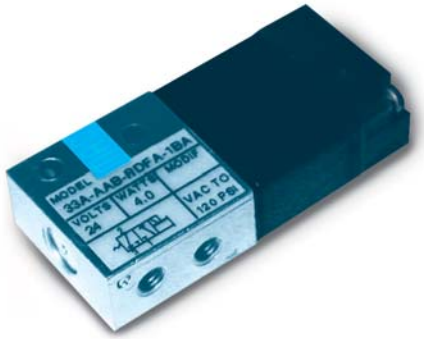
8mm valve

Function	Port size	Flow [Max]	Mounting
3/2 NC	**M3**	**82 Nl/min**	**Individual inline**

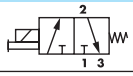
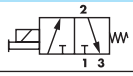
OPERATIONAL BENEFITS

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

Port size	N.C. Only	N.C. Only **
		
M3	33A-AAB-R*XXX-XXX*	33A-BAB-R*XXX-XXX*

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

SOLENOID OPERATOR ➤ R ***XXX-XXX***

XX	Voltage
DA	24 VDC (0.5W)
DB	24 VDC (1.0W)
DC	24 VDC (1.8W)
DF	24 VDC (4.0W)
DG	12 VDC (0.5W)
DH	12 VDC (1.0W)
DJ	12 VDC (1.8W)
DM	12 VDC (4.0W)

X	Lead wire length
0	No Lead wire*
A	18″
B	24″
C	36″
D	48″
E	72″

* Not available for flying leads connectors

X	Manual operator
0	No manual operator
1	Non-locking recessed
3	Non-locking extended

XX	Electrical connection
BA	Flying leads
BB	Flying leads w/LED
BC	Flying leads w/MOV
BD	Flying leads w/LED & MOV
TA	JST Solenoid plug-in
TB	JST Solenoid plug-in w/LED
TC	JST Solenoid plug-in w/MOV
TD	JST Solenoid plug-in w/LED & MOV

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100% OF PRODUCTION TESTED 100%

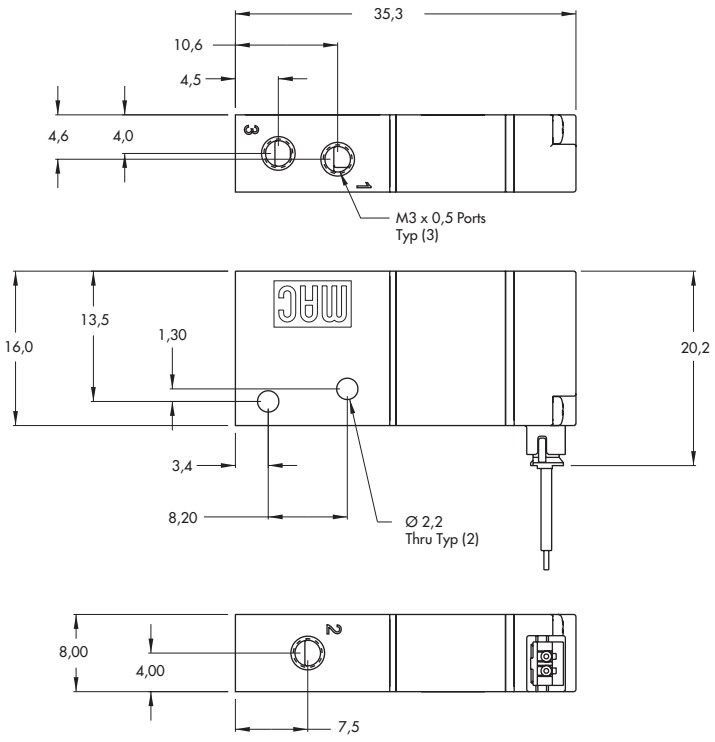
WARRANTY 18 MONTHS

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 Nl/min - 3W: 62 Nl/min - 2.5W: 62 Nl/min - 1.8W: 55 Nl/min - 1.0W: 30 Nl/min - 0.5W: 20 Nl/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)



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