

Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting
3/2 NO - NC	M7	0.4 Cv	Sub-base

OPERATIONAL BENEFITS

- Balanced poppet.
- Patented conical seats for long life.
- High flow.
- Bonded poppet with minimal friction.
- Wiping effect eliminates sticking.
- Extremely repeatable response.



HOW TO ORDER

Port size	Pilot	3/2 NC Valve	3/2 NO Valve
Valve less base	Internal	72A-BA-000-BB-Bxxx-xxx	72A-CA-000-BB-Bxxx-xxx
	External	72A-BD-000-BB-Bxxx-xxx	72A-CD-000-BB-Bxxx-xxx
M7	Internal	72A-BA-A1A-BB-Bxxx-xxx	72A-CA-A1A-BB-Bxxx-xxx
	External (M5)	72A-BD-A1B-BB-Bxxx-xxx	72A-CD-A1B-BB-Bxxx-xxx
	External (#10-32)	72A-BD-A1D-BB-Bxxx-xxx	72A-CD-A1D-BB-Bxxx-xxx

SOLENOID OPERATOR

BB - B **xxx-xxx**

XX	Voltage	X	Wire length	X	Manual operator	XX	Electrical connector
GA	24 VDC (1.0 W)	0	No Lead Wire	1	Recessed non locking	Flying Lead Covers	
GB	24 VDC (1.8 W)	A	18"	3	Extended non locking	BA	No ground
GC	24 VDC (2.5 W)	B	24"			BC	Blocking & suppression diode & LED (no ground)
GD	24 VDC (3.0 W)	C	36"			BE	Blocking & suppression diode (no ground)
GE	24 VDC (4.0 W)	D	48"			BG	LED (no ground)
GF	12 VDC (1.0 W)	E	72"			BJ	MOV (no ground)
GG	12 VDC (1.8 W)	F	96"			BL	MOV & LED (no ground)
GH	12 VDC (2.5 W)					"JST" Plug-in Cover	
GJ	12 VDC (3.0 W)					TA	No ground
GK	12 VDC (4.0 W)					TC	Blocking & suppression diode & LED (no ground)
						TE	Blocking & suppression diode (no ground)
						TG	LED (no ground)
						TJ	MOV (no ground)
						TL	MOV & LED (no ground)

OPTIONS

72A-BA-A 1 A -XX-X**xxx-xxx**

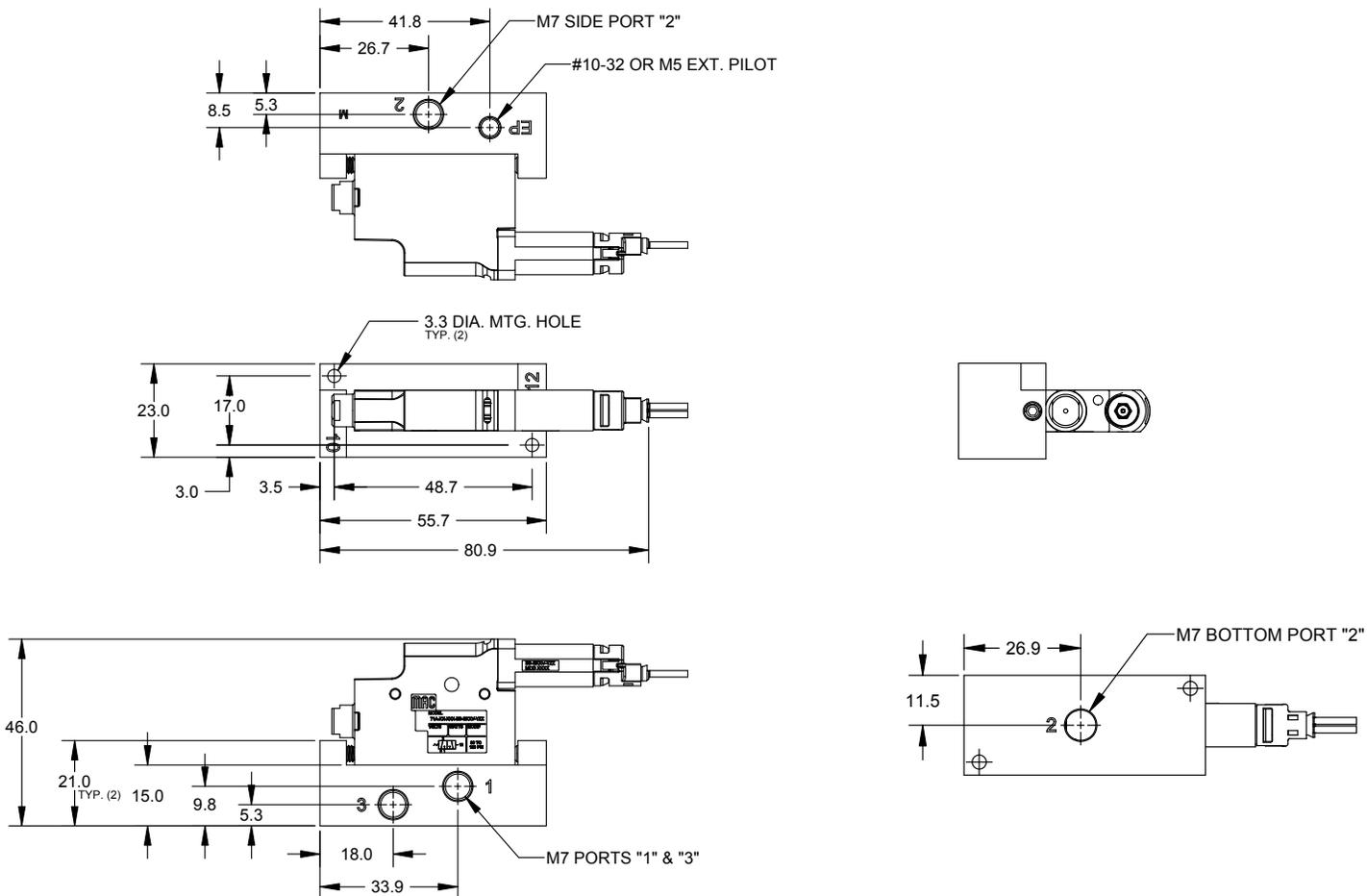
- Individual base - Side ports
- Individual base - Bottom cylinder ports only (no side cylinder port)

TECHNICAL DATA

Fluid :	Compressed air or inert gases
Pressure range :	Vacuum to 120 PSI (External pilot) 40 to 120 PSI (Internal pilot)
Pilot pressure :	40 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 μ
Temperature range :	0°F to 120°F
Flow (at 6 bar, ΔP=1bar) :	0.4 Cv
Coil :	Class A continuous duty, #26 AWG x 18 lead wires
Voltage range:	-15% to +10% of nominal voltage
Protection :	Consult factory
Power:	DC 12/24 Volt 1.0w to 4.0w (higher wattages available)

Options: · BSPP threads

DIMENSIONS



Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Circuit bar mounting
3/2 NO - NC	M7	0.4 Cv	Non plug-in

OPERATIONAL BENEFITS

1. Balanced poppet.
2. Patented conical seats for long life.
3. High flow.
4. Bonded poppet with minimal friction.
5. Wiping effect eliminates sticking.
6. Extremely repeatable response.

HOW TO ORDER

HOW TO ORDER VALVE FOR CIRCUIT BAR MOUNTING

Port size	Pilot	3/2 NC Valve	3/2 NO Valve
Valve less base	Internal	72A-BA-000-BB-Bxxx-xxx	72A-CA-000-BB-Bxxx-xxx
	External	72A-BD-000-BB-Bxxx-xxx	72A-CD-000-BB-Bxxx-xxx

SOLENOID OPERATOR

BB - B xxx-xxx

XX	Voltage	X	Wire length	X	Manual operator	XX	Electrical connector
GA	24 VDC (1.0 W)	0	No Lead Wire	1	Recessed non locking	Flying Lead Covers	
GB	24 VDC (1.8 W)	A	18"	3	Extended non locking	BA	No ground
GC	24 VDC (2.5 W)	B	24"			BC	Blocking & suppression diode & LED (no ground)
GD	24 VDC (3.0 W)	C	36"			BE	Blocking & suppression diode (no ground)
GE	24 VDC (4.0 W)	D	48"			BG	LED (no ground)
GF	12 VDC (1.0 W)	E	72"			BJ	MOV (no ground)
GG	12 VDC (1.8 W)	F	96"			BL	MOV & LED (no ground)
GH	12 VDC (2.5 W)					"JST" Plug-in Cover	
GJ	12 VDC (3.0 W)					TA	No ground
GK	12 VDC (4.0 W)					TC	Blocking & suppression diode & LED (no ground)
						TE	Blocking & suppression diode (no ground)
						TG	LED (no ground)
						TJ	MOV (no ground)
						TL	MOV & LED (no ground)

HOW TO ORDER CIRCUIT BAR (10.5mm spacing)

Port size	Pilot air	Side Cyl. Port	Bottom Cyl. Port
#10-32 UNF	Internal	CBM72A-00AAA-xx	CBM72A-00BAA-xx
	Internal with exhaust out 12 end	CBM72A-00ADA-xx	CBM72A-00BDA-xx
	External from 12 end	CBM72A-00ACA-xx	CBM72A-00BCA-xx
M5	Internal	CBM72A-00AAB-xx	CBM72A-00BAB-xx
	Internal with exhaust out 12 end	CBM72A-00ADB-xx	CBM72A-00BDB-xx
	External from 12 end	CBM72A-00ACB-xx	CBM72A-00BCB-xx
M7	Internal	CBM72A-00AAC-xx	CBM72A-00BAC-xx
	Internal with exhaust out 12 end	CBM72A-00ADC-xx	CBM72A-00BDC-xx
	External from 12 end	CBM72A-00ACC-xx	CBM72A-00BCC-xx

xx = number of stations (03 = 3 stations)

Note:

- For valves mounted on base at the factory, add -9 to the model number.
- Common through ports are 1/8"

TECHNICAL DATA

Fluid :	Compressed air or inert gases
Pressure range :	Vacuum to 120 PSI (External pilot) 40 to 120 PSI (Internal pilot)
Pilot pressure :	40 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 μ
Temperature range :	0°F to 120°F
Flow (at 6 bar, ΔP=1bar) :	0.4 Cv
Coil :	Class A continuous duty, #26 AWG x 18 lead wires
Voltage range:	-15% to +10% of nominal voltage
Protection :	Consult factory
Power:	DC 12/24 Volt 1.0w to 4.0w (higher wattages available)

Options: · BSPB threads

DIMENSIONS

