

Direct solenoid and solenoid pilot operated valves

Individual mounting Sub-base non plug-in

Series

34

36

32

37

46

42

47

48

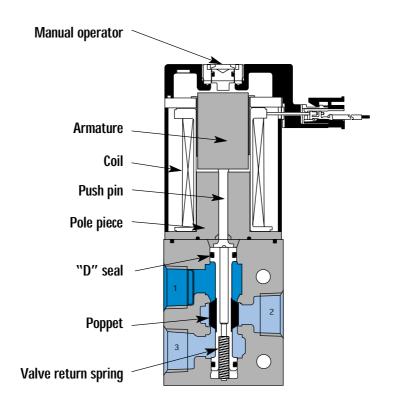
400

92

93

ISO 1

ISO 2 ISO 3



SERIES FEATURES

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

Consult "Precautions" before use, installation or service of MAC Valves..



Direct solenoid and solenoid pilot operated valves

3/2 NO-NC OPERATIONAL BENEFITS	G1/8" - G	1/4" 500	NI/min	Inline	
PERATIONAL BENEFITS			G1/4" 500 NI/min		
					34
Balanced poppet equals cons shifting forces. Valve shifting forces are cons independent of pressure fluctu	sistent and	3. Universal porting – 6	functions in one valve.		36
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shorter than solenoid stroke. Constant high flow maintaine the pressure range.				= G	37 38
Exhaust contaminants are isol solenoid.	lated from the				52
Full flow exhaust.					67
HOW TO ORDER					44
Port size		Universal valve		NC only val	ve 46
			, , , , , , , , , , , , , , , , , , ,	2	Jw 42
G1/8"		37A-A	C0-H xxx-xxx	37A-BC0-H XXX	
G1/4"		37A-A	D0-H xxx-xxx	37A-BD0-H XXX	47
OLENOID OPERATOR >		H <u>X</u>	XX-XXX [*]		48
XX Voltage	X ·	Wire length	X Manual o	perator XX Electi	rical connection**
AA 120 V~/6,7W DA 24 V=/5,2W		45 cm 60 cm	1 Non-locking 2 Locking		onnector onnector with light
DB 24 V=/2,4W		JO GII	LOCKING	BA Flying	leads 92
DC 24 V=/1,8W					leads with light onnector with
					r & light 93
sta · AC voltaga requires connoc	tor with rectifier				
ote : AC voltage requires connect Click here for other options avai	ilable.				ISC
					ISC

ISO 3







TECHNICAL DATA

Fluid : Compressed air, vacuum, inert gases

Pressure range : Vacuum to 8 bar

Lubrication :Not required, if used select a medium aniline point lubricant (between 80 °C and 100 °C)Filtration : 40μ

Temperature range : -18°C to +50°C

Orifice : 4,3 mm

Flow: 5,2 W: 500 NI/min (Cv 0,5) – 2,4 W: 350 NI/min (Cv 0,35)

Coil: Epoxy encapsulated – 100% ED

Voltage range : -15% to +10% of nominal voltage

Protection : IP54 (electrical connection)

ii 34 (dioctifical confliction)

 Power:
 5,2 W - 2,4 W

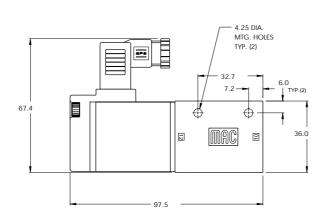
 Response times:
 Energize: 16,9 ms

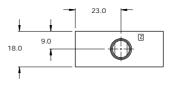
 (with 5,2 W coil)
 De-energize: 6,7 ms

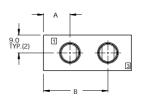
Options : • NPTF ports

DIMENSIONS

Dimensions shown are metric (mm)







Dim	A	В	
1/8"	13.3	32.45	
1/4"	14.7	33.7	



Base only:

37A-0CA (1/8") 37A-0DA (1/4")

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Function Port size		Flow (Max)		Individual mounting	Series
3/2 NO-NC G1/8" - G1		· G1/4" 500	NI/min	Sub-base non plug-in	
OPERATIONAL BENEFITS					34
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Exhaust contaminants ar solenoid.	e isolated from the				52
7. Full flow exhaust.					67
HOW TO ORDER					44
Port size		Universal valve		NC only valve	46
			Z w	Z Z	42
Valve less base		37A-C	C10-H xxx-xxx	37A-D10-H XXX-X	
G1/8″			CCA-H xxx-xxx	37A-DCA-H XXX-X	
G1/4"		37A-CDA-H xxx-xxx		37A-DDA-H XXX-X	XX
SOLENOID OPERATOR	R ≻	H <u>x</u>	<u>x</u> x- <u>x</u> xx*		48
			<u>' </u>		400
XX Voltage	X	Wire length	X Manual oper		al connection
AA 120 V~/6,7W DA 24 V=/5,2W	<u>A</u>	45 cm 60 cm	1 Non-locking Locking		re assembly 92
DB 24 V=/2,4W				with light BA Flying lea	
DC 24 V=/1,8W				BC Flying lea	ds with light 93 re assembly with
Note : AC voltage requires co	onnector with rectifier.				ISO
* Click here for other options	s available.				ISO 2
OPTIONS					ISO 3







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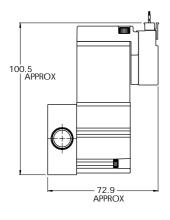
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Response times : Energize : 16,9 ms (with 5,2 W coil) De-energize : 6,7 ms

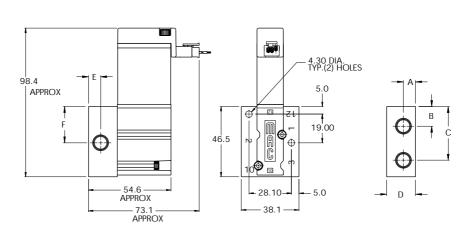
DIMENSIONS

Options:

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RECTIFIER COVER OPTION
(SHOWN WITH 1/4" PORTS)



FLYING LEAD OPTION (SHOWN WITH 1/8" PORTS)

Dim	Α	В	С	D	E	F
1/8″	8.0	13.0	35.5	5.5 19.05	8.0	24.0
1/4"	9.5	9.5			9.5	22.5