

Individual mounting Series Inline

33 34

36

32

37 38 52

69 44

46

42

47

48P

48

400

92

93

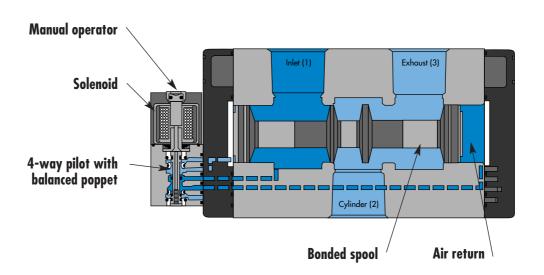
ISO 01

ISO 02

ISO 1

ISO 2

ISO 3



SERIES FEATURES

- Patented MACSOLENOID® for fastest possible response times and virtually burn-out proof AC solenoid operation.
- Optional low watt DC solenoids.
- Normally closed or normally open valve function.
- Optional universal spool.
- Internal or external pilot.
- Optional memory spring.
- Checked accumulator.
- Optional pilot exhaust to main valve exhaust.
- May be plugged for 2-way operation.



Mounting style :

67A-XX-**X**AA-DM-Dxxx-xxx

G O-Ring mount

Direct solenoid and solenoid pilot operated valves

Function		Port size	Floш (Max)	Individual mountin	9	Series
3/2 NO-NC, 2	2/2 NO-NC	3/4" - 1"	20.0 C _v	Inline		
PERATIONAL BEN	IEFITS					33
. The 4-way pilot force both way		ximum shifting				34
2. Memory spring B. Balanced spoo pressure, also I. Short stroke wi	g available. ol, immune to v provides high			0	4	36
5. Bonded spool in a glass-like	with minimum	friction, shifting		6		32
. Pilot with bala and consistent					6	37
. Wiping effect					0	38
				1	1	52
HOW TO ORD	ER					67
Port size	Pilot air		Operator		Operator	69
		NO Valve	NC Valve	NO Valve	NC Valve	44
				10 12		46
3/4" NPTF	Internal	67A-Cx-AAA-DM-Dxxx-xxx	67A-Ax-AAA-DM-Dxxx-x	xx 67A-Dx-AAA-DM-Dxxx-xxx	67A-B <i>x</i> -AAA-DM-D <i>xxx-xxx</i>	_ 40
1" NPTF	· · 	67A-Cx-BAA-DM-Dxxx-xxx	67A-A x -BAA-DM-D xxx-x		67A-B x -BAA-DM-D xxx-xxx	- 40
3/4" NPTF	External	67A-Cx-AAB-DM-Dxxx-xxx 67A-Cx-BAB-DM-Dxxx-xxx	67A-A <i>x</i> -AAB-DM-D <i>xxx-x</i> 67A-A <i>x</i> -BAB-DM-D <i>xxx-x</i>		67A-B <i>x</i> -AAB-DM-D <i>xxx-xxx</i> 67A-B <i>x</i> -BAB-DM-D <i>xxx-xxx</i>	42
1 MFII		O/A CA BAB DINI DAAA AAA		O'A DA DAD DIN DAXA AAA		47
SOLENOID OF	PERATOR >	Г	M-D XXX-XXX	*		48P
					1	
XX Volte	age	X Wire le	ngth X	Manual operator	X Electrical connection	48
	0, 120/60 (2.9)	W) A 18"	1 2	Non-locking recessed	Square connector	_
JC 24/60	60, 240/60 (2.9° 0 (2.9W)	J Connector			Square connector with light Rectangular connector	400
DA 24 VD	C (1.8W) C (5.4W)				Rectangular connector with light	- 00
Other options as	C (12.7W)	200			A Flying leads	92
OPTIONS	raliable, see pa	ge 307.				93
			Spool return :			93
Spool type : 67A- X X-AAA-DM-D <i>xxx-xxx</i>		•	67A-XX-AAA-DM-Dxxx-xxx			
G Single operator universal spool			1 Standard return			
H Double operator universal spool			2 Stando	ird return with memory spring e with single operator only)		ISO 1
Port configuration :			Pilot style :			ISO 2
67A-XX-A X A-DN	I-DXXX-XXX		67A-XX-AAA-D M -D <i>xx</i>	X-XXX		ISO 3
	A Standard pil	ot exhaust to main exhaust*		M Pilot exhaust muffled P Pilot exhaust piped (#10-32)		







TECHNICAL DATA

Fluid: Compressed air, vacuum, inert gases

Pressure range: Internal Pilot: 20 to 120 PSI

External Pilot : Vacuum to 120 PSI

Lubrication: Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)

Filtration:

Temperature range : 0° F to 120° F (- 18° C to $+50^{\circ}$ C)

Flow:

3/4" : (14.5 C_v) - 1" : (20.0 C_v)

Coil: Class A continuous duty, #22 AWG x 18 lead wires

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

Consult factory Protection:

Power: ~ Inrush : 7.6 VA Holding: 4.8 VA

= 12.7 to 1.0 W

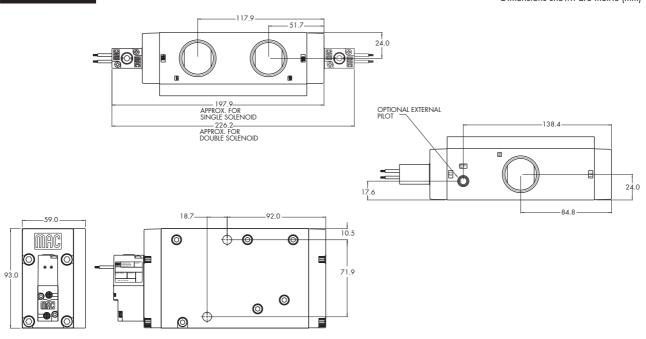
Response times: Energize : 29 ms

(with 5.4 W coil) De-energize: 21 ms

Options : • BSPP threads

DIMENSIONS

Dimensions shown are metric (mm)





Codification table for voltages / Manual operator / Electrical connection

VALVE CODE > -DM- D $\frac{XX}{1}$ $\frac{X-X}{2}$ $\frac{XX}{3}$

OPTIONS AVAILABLE FOR

- Pilot operated valves 52, 67, 92, 93, 400, ISO1, ISO2, ISO3 Series



	1. VOLTAGE		4. ELECTRICAL CONNECTION	
D-XX X-X XX	VOLTAGE	D-XX X-X XX	ELECTRICAL CONNECTION	
DA	24 VDC (5.4W)	BA*	Flying leads (grommet)	
DB	12 VDC (5.4W)	BK*	BA with protection diode	
DC	12 VDC (7.5W)	BL*	BA with protection varistor	
DD	24 VDC (7.3W)	BM**	Flying leads (solenoid plug-in)	
DE	12 VDC (12.7W)	BN**	BM with protection diode	
DF	24 VDC (12.7W)	BP**	BM with protection varistor	
DK	110 VDC (4.7W)	BG**	BM with ground	
DJ	28 VDC (5.2W)	BH**	BM with protection diode & ground	
DL	64 VDC (6.0W)	BJ**	BM with protection varistor & ground	
DM	36 VDC (5.3W)	CA*	1/2" NPS conduit with flying leads	
DN	6 VDC (6.0W)	CM*	1/2" NPS metal conduit with flying leads	
DR	90 VDC (6.6W)	CN*	1/2" NPS metal conduit with flying leads & ground	
DS	110 VDC (7.3W)	JB	Rectangular connector	
DT	75 VDC (5.6W)	JD	JB with light	
DP	48 VDC (5.8W)	JM	Rectangular connector (male only)	
FA	12 VDC (1.8W)	KA	Mini square connector	
FB	24 VDC (1.8W)	КВ	KA with protection diode	
FE	12 VDC (2.4W)	KC	KA with protection varistor	
FF	24 VDC (2.4W)	KD	KA with light	
JA	120/60, 110/50 (2.9W)	KE	KA with light and protection diode	
JB	240/60, 220/50 (2.9W)	KF	KA with light and protection varistor	
JC	24/60, 24/50 (3.7W)	KG	KA with light & diode	
JD	100/60, 100/50, 110/60 (3.9W)	KJ	Mini square connector (male only)	
JE	220/60 (3.4W)	KK	KJ with protection diode (male only)	
JF	240/50 (2.8W)	KL	KJ with protection varistor (male only)	
JG	200/60, 200/50 (3.9W)	TA	Dual tabs with receptacles	
		ТВ	TA with protection diode	
	2. WIRE LENGTH	TD	TA with light	
		TE	TA with light and protection diode	
D-XX X-X XX	WIRE LENGTH	TJ	Dual tabs (male only)	
0	No wires	TK	TJ with protection diode	
A	18"	TM	TJ with light	
В	24"	TN	TJ with light and protection diode	
С	36"	* From Lead wire length options choose A through F		
D	48"	** From Lead wire len	gth options choose 0 through F	
E	72"	Note: When coil is above 30 volts, a ground wire is required. Applies to options		
F	96"	with flying leads.		

3.	МΔ	NUAL	OPER	ATOR
J .	IVL	NUME	OL PU	MIVE

D-XX X-X XX	MANUAL OPERATOR
0	No operator
1	Non-locking recessed
2	Locking recessed
3	Non-locking extended
4	Locking extended