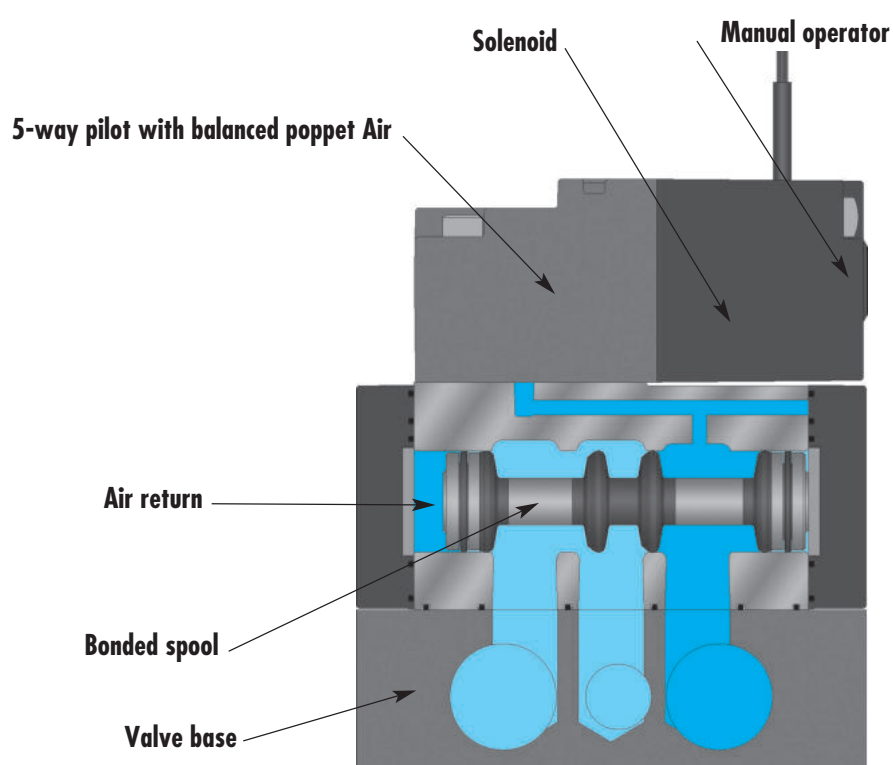


Direct solenoid and solenoid pilot operated valves 8 mm valve

Individual mounting

Inline



SERIES FEATURES

- The 4-way pilot develops maximum shifting force both ways
- Memory spring available
- Balanced spool, immune to variations of pressure
- Short stroke with high flow
- Bonded spool with minimum friction, shifting in a glass-like finished bore.
- Pilot with balanced poppet, high flow, short and consistent response times.
- Wiping effect eliminates sticking
- Long life service.

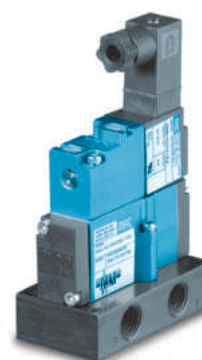


Direct solenoid and solenoid pilot operated valves

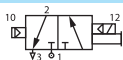
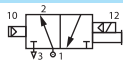
Function	Port size	Flow [Max]	Individual mounting
3/2 NO-NC	G1/4"- G3/8"	2000 NI/min	Inline

OPERATIONAL BENEFITS

1. The 4-way pilot develops maximum shifting forces both ways
2. Memory spring available
3. Balanced spool, immune to variations of pressure, also provides high flow
4. Short stroke with high flow
5. Bonded spool with minimum friction, shifting in a glass-like finished bore
6. Pilot with balanced poppet, high flow, short and consistent response times.
7. Wiping effect eliminates sticking
8. Long service life



HOW TO ORDER

Port size	Pilot air	NC Valve	NO Valve
			
G1/4"	Internal	53A-1AC-XX-X-xxx-xxx	53A-2AC-XX-X-xxx-xxx
G3/8"	Internal	53A-1AD-XX-X-xxx-xxx	53A-2AD-XX-X-xxx-xxx
G1/4"	External from 10 end	53A-1BC-XX-X-xxx-xxx	53A-2BC-XX-X-xxx-xxx
	External from 12 end	53A-1CC-XX-X-xxx-xxx	53A-2CC-XX-X-xxx-xxx
G3/8"	External from 10 end	53A-1BD-XX-X-xxx-xxx	53A-2BD-XX-X-xxx-xxx
	External from 12 end	53A-1CD-XX-X-xxx-xxx	53A-2CD-XX-X-xxx-xxx

SOLENOID OPERATOR >

DM-D **XXX-XXX ***

XX	Voltage	X	Wire length	X	Manual operator	XX	Electrical connection
JA	110 V~/50Hz	A	45 cm	1	Non-locking	BA	Flying leads
JB	220 V~/50Hz	B	60 cm	2	Locking	KA	Mini square connector
JC	24 V~/50Hz	J*	15 cm			KD	Mini square connector with light
FB	24 V=/1,8W	*For use with "J" & "K" type connectors				JB	Rectangular connector
DA	24 V=/5,4W					JD	Rectangular connector with light
DF	24 V=/12,7W						

SOLENOID OPERATOR >

GM-G **XXX-XXX****

XX	Voltage	X	Wire length	X	Manual operator	XX	Electrical connection
DC	24 V=/1,8W	A	45 cm	1	Non-locking	BA	Flying leads
DD	24 V=/2,5W	B	60 cm	2	Locking	BT	Flying leads with light
DF	24 V=/4W	C	90 cm			KA	Mini connector
						KT	Mini connector with light
						GA	MAC JAC solenoid plug-in wire assembly

* Other options available, see page options.

** Other options available, see page options.

OPTIONS

53A-X-AC-xx-xxxx-xxx

For Memory spring

Replace by 5 (Normally closed)
Replace by 6 (Normally open)



100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

TECHNICAL DATA

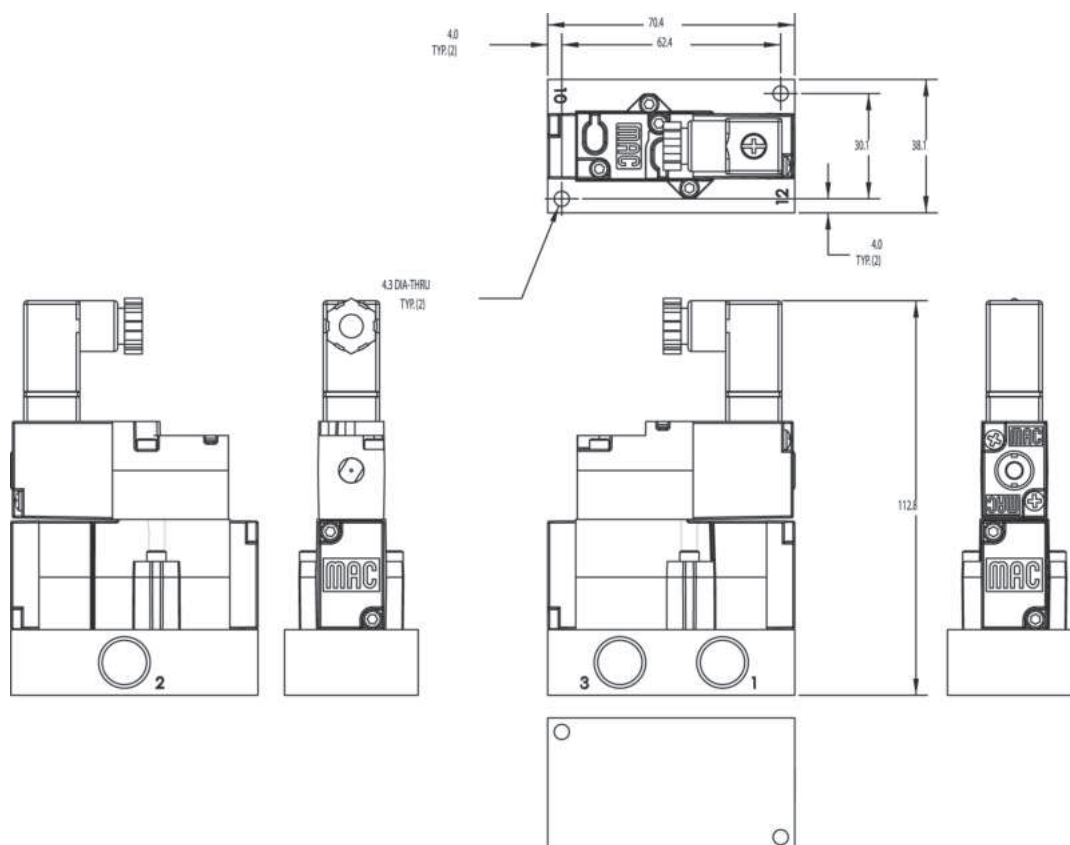
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot : 1,3 to 8 bar External Pilot : Vacuum to 8 bar
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)
Filtration :	40 µ
Temperature range :	-18°C to +50°C
Orifice :	8,5 mm
Flow :	G1/4" : 1700 NI/min (Cv 1.7) – G3/8" : 2000 NI/min (Cv 2.0)
Coil :	Epoxy encapsulated - Class A wires – 100% ED
Voltage range :	-15% to +10% of nominal voltage
Protection :	Consult factory
Power :	1,0 to 5,4W (Higher wattages available)

Options :

- NPTF threads

DIMENSIONS

Dimensions shown are metric (mm)





0 p t i o n s

Codification table for voltages / Manual operator / Electrical connection

VALVE CODE ► **-DM- D XX X-X XX**
1 2 3 4

1. VOLTAGE		4. ELECTRICAL CONNECTION	
D-XX X-X XX	VOLTAGE	D-XX X-X XX	ELECTRICAL CONNECTION
DA	24V=/5,4W	BA*	Flying leads
DB	12V=/5,4W	BK*	BA with protection diode
DC	12V=/7,5W	BL*	BA with protection varistor
DD	24V=/7,3W	BM**	Flying leads (solenoid plug-in)
DE	12V=/12,7W	BN**	BM with protection diode
DF	24V=/12,7W	BP**	BM with protection varistor
DK	110V=/4,7W	BG**	BM with ground
DJ	28V=/5,2W	BH**	BM with protection diode & ground
DL	64V=/6W	BJ**	BM with protection varistor & ground
DM	36V=/5,3W	CA*	1/2" NPS conduit with flying leads
DN	6V=/6W	CM*	1/2" NPS metal conduit with flying leads
DR	90V=/6,6W	CN*	1/2" NPS metal conduit with flying leads & ground
DS	110V=/7,3W	DG	Plug-in with ground
DT	75V=/5,6W	DH	Plug-in with diode & ground
DP	48V=/5,8W	DJ	Plug-in with M.O.V. & ground
FA	12V=/1,8W	DM	Plug-in
FB	24V=/1,8W	DN	Plug-in with diode
FE	12V=/2,4W	DP	Plug-in with M.O.V.
FF	24V=/2,4W	JB	Rectangular connector
JA	120V~/60Hz, 110V~/50Hz (2,9W)	JD	Rectangular connector with light
JB	240V~/60Hz, 220V~/50Hz (2,9W)	JM	Rectangular connector, male only
JC	24V~/60Hz, 24V~/50Hz (3,7W)	KA	Square connector
JD	100V~/60Hz, 100V~/50Hz, 110V~/60Hz (3,9W)	KB	Square connector with protection diode
JE	220V~/60Hz (3,4W)	KC	Square connector with protection varistor
JF	240V~/50Hz (2,8W)	KD	Square connector with light
JG	200V~/60Hz, 200V~/50Hz (3,9W)	KE	Square connector with light and protection diode
2. WIRE LENGTH		KF	Square connector with light and protection varistor
D-XX X-X XX	WIRE LENGTH	KG	Square connector with light & diode
O	No wires	KJ	Square connector (male only)
A	45 cm – 18"	KK	Square connector with protection diode (male only)
B	60 cm – 24"	KL	Square connector with protection varistor (male only)
C	90 cm – 36"	TA	Dual tabs with receptacles
D	120 cm – 48"	TB	TA with protection diode
E	180 cm – 72"	TD	TA with light
F	240 cm – 96"	TE	TA with light and protection diode
3. MANUAL OPERATOR		TJ	Dual tabs (male only)
D-XX X-X XX	MANUAL OPERATOR	TK	TJ with protection diode
0	No operator	TM	TJ with light
1	Non-locking recessed	TN	TJ with light and protection diode
2	Locking recessed	* From Lead wire length options choose A through F	
3	Non-locking extended	** From Lead wire length options choose 0 through F	
4	Locking extended	Note: When coil is above 30 volts, a ground wire is required. Applies to options with flying leads.	