

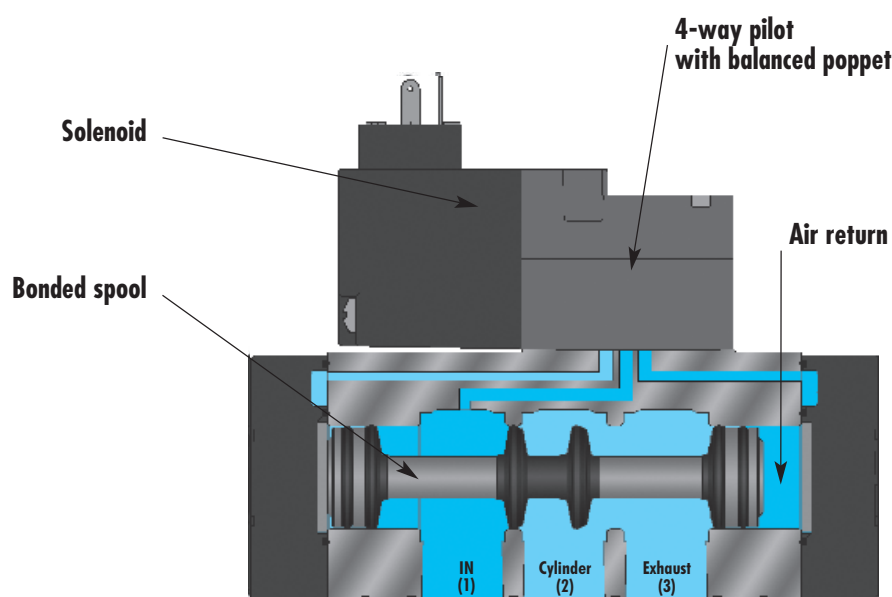


Direct solenoid and solenoid pilot operated valves 8 mm valve

Individual mounting

Sub-base
Non plug-in

Sub-base
Plug-in



SERIES FEATURES

- Patented MACSOLENOID® for fastest possible response times and virtually burn-out proof AC solenoid operation.
- Optional low watt DC solenoids.
- Various manual operators.
- Normally closed or normally open valve function.
- May be plugged for 2-way operation.
- Internal or external pilot.



Direct solenoid and solenoid pilot operated valves

Function Port size Flow [Max] Individual mounting

3/2 NO-NC **G3/8" - G1/2" - G3/4" 5100 NI/min**

Sub-base
Non plug-in

OPERATIONAL BENEFITS

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

HOW TO ORDER



Port size	Pilot air	NC Valve	NO Valve
Valve less base	Internal	54A-AA-000-DM-xxxx-xxx	54A-BA-000-DM-xxxx-xxx
	External from 10 end	54A-AC-000-DM-xxxx-xxx	54A-BC-000-DM-xxxx-xxx
	External from 12 end	54A-AB-000-DM-xxxx-xxx	54A-BB-000-DM-xxxx-xxx
G3/8"	Internal	54A-AA-D1A-DM-xxxx-xxx	54A-BA-D1A-DM-xxxx-xxx
	External from 10 end	54A-AC-D1A-DM-xxxx-xxx	54A-BC-D1A-DM-xxxx-xxx
	External from 12 end	54A-AB-D1A-DM-xxxx-xxx	54A-BB-D1A-DM-xxxx-xxx
G1/2"	Internal	54A-AA-E1A-DM-xxxx-xxx	54A-BA-E1A-DM-xxxx-xxx
	External from 10 end	54A-AC-E1A-DM-xxxx-xxx	54A-BC-E1A-DM-xxxx-xxx
	External from 12 end	54A-AB-E1A-DM-xxxx-xxx	54A-BB-E1A-DM-xxxx-xxx
G3/4"	Internal	54A-AA-F1A-DM-xxxx-xxx	54A-BA-F1A-DM-xxxx-xxx
	External from 10 end	54A-AC-F1A-DM-xxxx-xxx	54A-BC-F1A-DM-xxxx-xxx
	External from 12 end	54A-AB-F1A-DM-xxxx-xxx	54A-BB-F1A-DM-xxxx-xxx

SOLENOID OPERATOR ➤

DM-D **xxx-xxx***

XX	Pilot type	XX	Voltage	X	Lead wire length	X	Manual operator	XX	Electrical connection
DM	Muffled exhaust	DA	24V=/5,4W	A	45 cm	0	No operator	BA	Flying leads
DP	Piped exhaust	DF	24V=/ 12,7W	B	60 cm	1	Non locking	JB	Rectangular connector
DU	Universal pilot - Pilot exhaust out main exhaust	FB	24V=/1,8W	J*	15 cm	2	Locking	JD	Rectangular connector with light
		JA	110V~/50Hz					KA	Mini square connector
		JB	220V~/50Hz					KD	Mini square connector with light
		JC	24V~/50Hz						

* Lead wire length for external plug-in connectors must be "J"

* Other options available, see page options.

OPTIONS

54A-Xx-XxX-DM-xxxx-xxx

- 1 Individual base - Side ports
- 2 Individual Base - Bottom Cylinder ports (No side cylinder port)
- 0 Base only
- A Base Mount Body - Internal pilot
- B Base Mount Body - External pilot (12 end)
- C Base Mount Body - External pilot (10 end)
- E Base Mount Body - Internal pilot - Pilot exhaust out main exhaust (with DU pilot)
- F Base Mount Body - External pilot (12 end) - Pilot exhaust out main exhaust (with DU pilot)
- G Base Mount Body - External pilot (10 end) - Pilot exhaust out main exhaust (with DU pilot)





Direct solenoid and solenoid pilot operated valves

Function Port size Flow [Max] Individual mounting

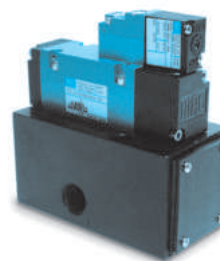
3/2 NO-NC **G3/8" - G1/2" - G3/4" 5100 NI/min**

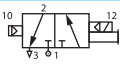
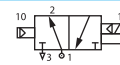
Sub-base
plug-in

OPERATIONAL BENEFITS

1. The 4-way pilot develops maximum shifting forces both ways
2. Balanced spool, immune to variations of pressure, also provides high flow
3. Short stroke with high flow
4. Bonded spool with minimum friction, shifting in a glass-like finished bore
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6. Wiping effect eliminates sticking
7. Long service life

HOW TO ORDER



Port size	Pilot air	NC Valve	NO Valve
			
Valve less base	Internal	54A-AA-000-DM-xxxx-xxx	54A-BA-000-DM-xxxx-xxx
	External from 10 end	54A-AC-000-DM-xxxx-xxx	54A-BC-000-DM-xxxx-xxx
	External from 12 end	54A-AB-000-DM-xxxx-xxx	54A-BB-000-DM-xxxx-xxx
G3/8"	Internal	54A-AA-D1B-DM-xxxx-xxx	54A-BA-D1B-DM-xxxx-xxx
	External from 10 end	54A-AC-D1B-DM-xxxx-xxx	54A-BC-D1B-DM-xxxx-xxx
	External from 12 end	54A-AB-D1B-DM-xxxx-xxx	54A-BB-D1B-DM-xxxx-xxx
G1/2"	Internal	54A-AA-E1B-DM-xxxx-xxx	54A-BA-E1B-DM-xxxx-xxx
	External from 10 end	54A-AC-E1B-DM-xxxx-xxx	54A-BC-E1B-DM-xxxx-xxx
	External from 12 end	54A-AB-E1B-DM-xxxx-xxx	54A-BB-E1B-DM-xxxx-xxx
G3/4"	Internal	54A-AA-F1B-DM-xxxx-xxx	54A-BA-F1B-DM-xxxx-xxx
	External from 10 end	54A-AC-F1B-DM-xxxx-xxx	54A-BC-F1B-DM-xxxx-xxx
	External from 12 end	54A-AB-F1B-DM-xxxx-xxx	54A-BB-F1B-DM-xxxx-xxx

SOLENOID OPERATOR ➤

DM-D **xxx-xxx***

XX	Pilot type	XX	Voltage	X	Lead wire length	X	Manual operator	XX	Electrical connection
DM	Muffled exhaust	DA	24V=/5,4W	A	45 cm	0	No operator	BA	Flying leads
DP	Piped exhaust	DF	24V=/ 12,7W	B	60 cm	1	Non locking	JB	Rectangular connector
DU	Universal pilot - Pilot exhaust out main exhaust	FB	24V=/1,8W	J*	15 cm	2	Locking	JD	Rectangular connector with light
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* Other options available, see page options.

OPTIONS

54A-Xx-XxX-DM-xxxx-xxx

- 1 Individual base - Side ports
- 2 Individual Base - Bottom Cylinder ports (No side cylinder port)
- 0 Base only
- A Base Mount Body - Internal pilot
- B Base Mount Body - External pilot (12 end)
- C Base Mount Body - External pilot (10 end)
- E Base Mount Body - Internal pilot - Pilot exhaust out main exhaust (with DU pilot)
- F Base Mount Body - External pilot (12 end) - Pilot exhaust out main exhaust (with DU pilot)
- G Base Mount Body - External pilot (10 end) - Pilot exhaust out main exhaust (with DU pilot)



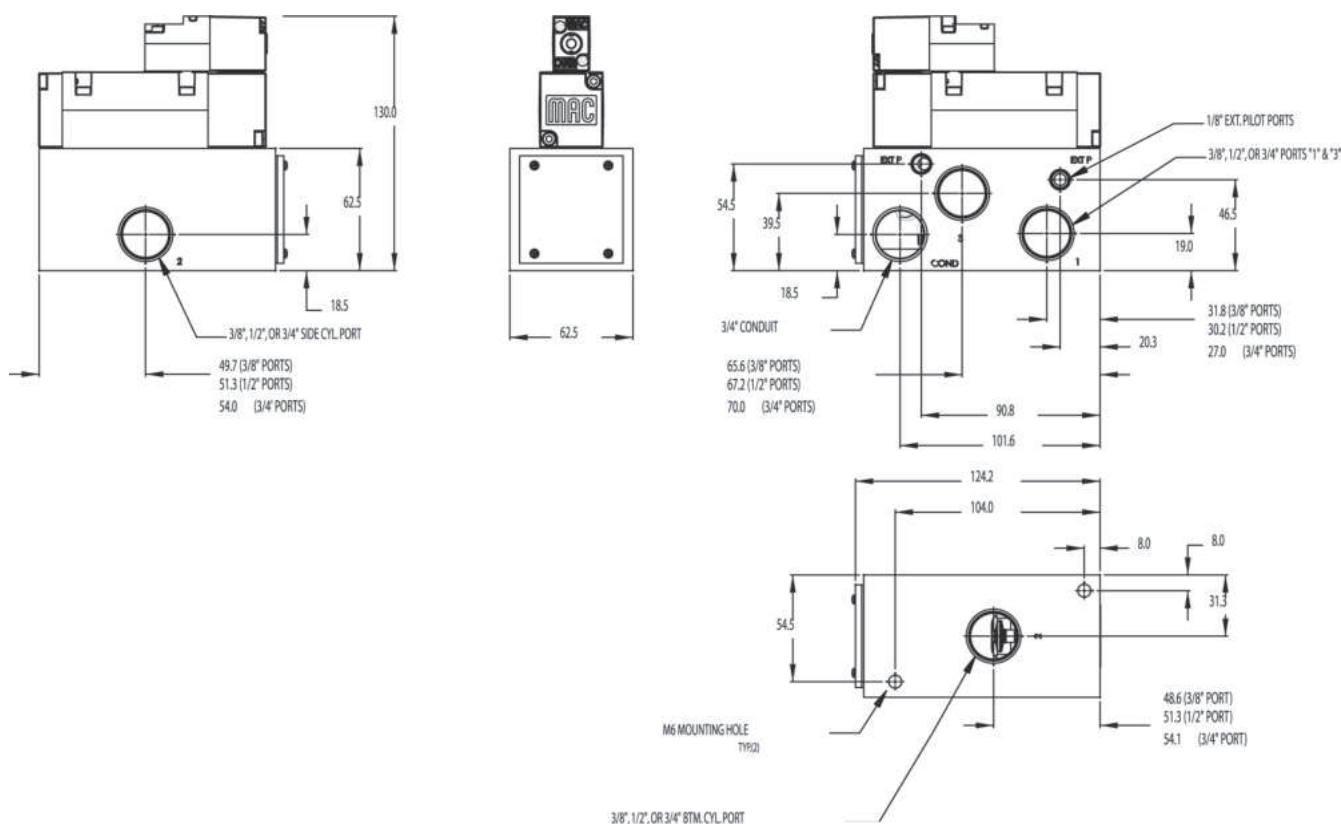
100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Main valve: External pilot : Vacuum to 8 bar Internal pilot: 1,3 to 8 bar External pilot: 1,3 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 :	13,5 mm
Flow :	Up to 5100 NI/min (Cv 5.1)
Coil :	Epoxy encapsulated - Class A wires - 100% ED
Voltage range :	-15% to +10% of nominal voltage
Protection :	Consult factory
Power :	1,8 to 5,4W (Higher wattages available)
Options:	NPTF threads

DIMENSIONS

Dimensions shown are metric (mm)





Remote air valve

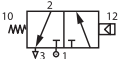
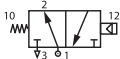
Function	Port size	Flow [Max]	Individual mounting
3/2	G3/8" - G1/2" - G3/4"	5100 NI/min	Individual base

OPERATIONAL BENEFITS

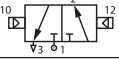
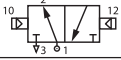
1. Balanced spool, immune to variations of pressure, also provides high flow.
2. Bonded spool with minimum friction, shifting in a glass-like finished bore.
3. Wiping effect eliminates sticking
4. Long service life
5. Short stroke with high flow

HOW TO ORDER

SINGLE OPERATOR

Port size	Pilot air	NC Valve	NO Valve
			
Valve less base	Internal	54A-AA-000-DM-RA14	54A-BA-000-DM-RA14
	External from 10 end	54A-AC-000-DM-RA14	54A-BC-000-DM-RA14
	External from 12 end	54A-AB-000-DM-RA14	54A-BB-000-DM-RA14
G3/8"	Internal	54A-AA-D1A-DM-RA14	54A-BA-D1A-DM-RA14
	External from 10 end	54A-AC-D1A-DM-RA14	54A-BC-D1A-DM-RA14
	External from 12 end	54A-AB-D1A-DM-RA14	54A-BB-D1A-DM-RA14
G1/2"	Internal	54A-AA-E1A-DM-RA14	54A-BA-E1A-DM-RA14
	External from 10 end	54A-AC-E1A-DM-RA14	54A-BC-E1A-DM-RA14
	External from 12 end	54A-AB-E1A-DM-RA14	54A-BB-E1A-DM-RA14
G3/4"	Internal	54A-AA-F1A-DM-RA14	54A-BA-F1A-DM-RA14
	External from 10 end	54A-AC-F1A-DM-RA14	54A-BC-F1A-DM-RA14
	External from 12 end	54A-AB-F1A-DM-RA14	54A-BB-F1A-DM-RA14

DOUBLE OPERATOR

Port size	Double operator NC Valve	Double operator NO Valve
		
Valve less base	54A-ED-000-RA	54A-FD-000-RA
G3/8"	54A-ED-D1C-RA	54A-FD-D1C-RA
G1/2"	54A-ED-E1C-RA	54A-FD-E1C-RA
G3/4"	54A-ED-F1C-RA	54A-FD-F1C-RA

OPTIONS

SINGLE OPERATOR MODELS

54A-xX-xX-DM-RA14

- 1 Individual Base – Side ports
- 2 Individual Base – Bottom Cylinder ports (No side cyl. port)
- 0 Base only
- E Base Mount Body – Internal pilot - Pilot exhaust out main exhaust (with DU pilot)
- F Base Mount Body – External pilot (12 end) – Pilot exhaust out main exhaust (with DU pilot)
- G Base Mount Body – External pilot (10 end) – Pilot exhaust out main exhaust (with DU pilot)

DUAL OPERATOR MODELS

54A-xx-xX-RA

- 1 Individual Base – Side ports
- 2 Individual Base – Bottom Cylinder ports (No side cyl. port)



100%
OF
PRODUCTION
TESTED
100%

WARRANTY
18
MONTHS

TECHNICAL DATA

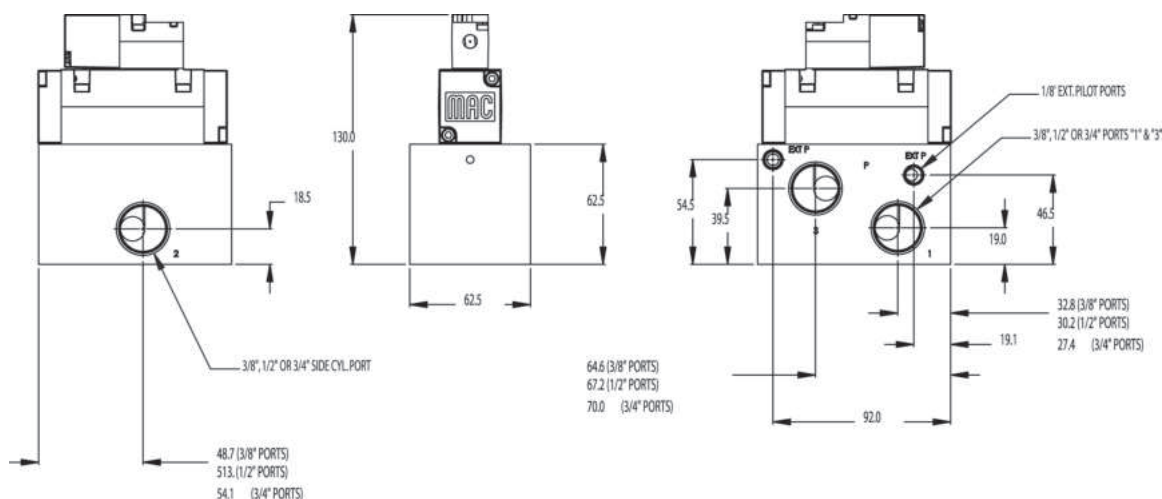
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Int. pilot & double remote: 1,3 to 8 bar External pilot: Vacuum to 8 bar
Air signal pressure :	Single operator: 2,3 to 4 bar - Double operator: 1,3 to 8 bar*
Lubrication :	Not required, if used select a medium aniline point lubricant (between 80°C and 100°C)
Filtration :	40 µ
Temperature range :	-18°C to +50°C
Orifice :	13,5 mm
Flow :	5100 NI/min (Cv 5.1)
* Note :	For external pilot and double remote, air signal pressure must be $\geq$ main valve pressure

Options : • NPTF threads

DIMENSIONS

Dimensions shown are metric (mm)

SINGLE REMOTE



DOUBLE REMOTE

