

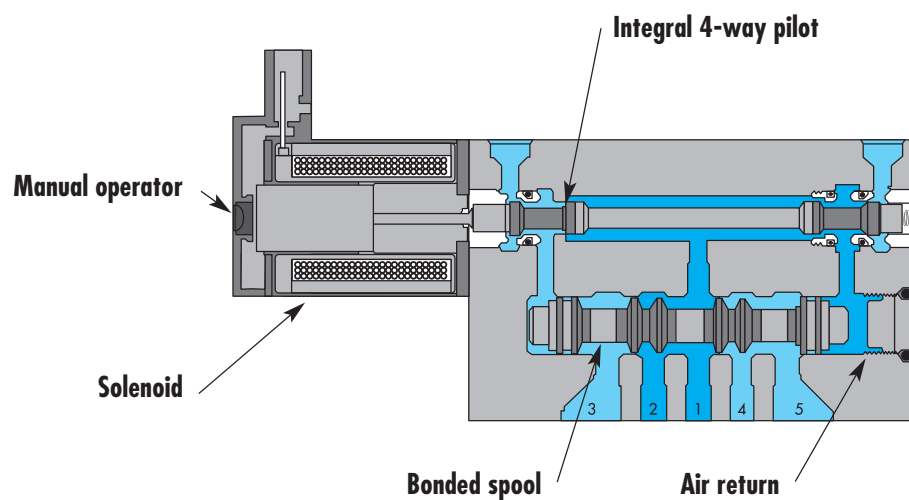
Direct solenoid and solenoid pilot operated valves

Individual mounting

Sub-base non "plug-in"	Sub-base "plug-in"

Manifold mounting

Manifold base non "plug-in"	Manifold base "plug-in"



SERIES FEATURES

- High force MACSOLENOID®.
- Integral 4-way pilot design.
- Single or dual pressure.
- Internal or external pilot.
- Single or double solenoid.
- 2 or 3 position.
- Rectified AC voltage.



Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting
5/2, 5/3	M5, M7	400 NI/min	Sub-base non "plug-in"

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10,5 mm centres).
3. High flow (up to 400 NI/min).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.

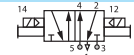


HOW TO ORDER

SINGLE PRESSURE MODELS

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Closed centre	5/3 Open centre
Valve less base	Internal	42B-AMA-000-Gxxx-xxx	42B-BMA-000-Gxxx-xxx	42B-EMA-000-Gxxx-xxx	42B-FMA-000-Gxxx-xxx
	External	42B-AMD-000-Gxxx-xxx	42B-BMD-000-Gxxx-xxx	42B-EMD-000-Gxxx-xxx	42B-FMD-000-Gxxx-xxx
M5	Internal	42B-AMA-GAL-Gxxx-xxx	42B-BMA-GAL-Gxxx-xxx	42B-EMA-GAL-Gxxx-xxx	42B-FMA-GAL-Gxxx-xxx
	External	42B-AMD-GAM-Gxxx-xxx	42B-BMD-GAM-Gxxx-xxx	42B-EMD-GAM-Gxxx-xxx	42B-FMD-GAM-Gxxx-xxx
M7	Internal	42B-AMA-LAL-Gxxx-xxx	42B-BMA-LAL-Gxxx-xxx	42B-EMA-LAL-Gxxx-xxx	42B-FMA-LAL-Gxxx-xxx
	External	42B-AMD-LAM-Gxxx-xxx	42B-BMD-LAM-Gxxx-xxx	42B-EMD-LAM-Gxxx-xxx	42B-FMD-LAM-Gxxx-xxx

DUAL PRESSURE MODELS

Port size	Pilot air		5/2 Single solenoid	5/2 Double solenoid	5/3 Pressure centre
					
Valve less base	Internal	Supply #3 port	42B-CMB-000-Gxxx-xxx	42B-DMB-000-Gxxx-xxx	42B-HMB-000-Gxxx-xxx
		Supply #5 port	42B-CMC-000-Gxxx-xxx	42B-DMC-000-Gxxx-xxx	42B-HMC-000-Gxxx-xxx
External			42B-CMD-000-Gxxx-xxx	42B-DMD-000-Gxxx-xxx	42B-HMD-000-Gxxx-xxx
M5	Internal	Supply #3 port	42B-CMB-GAL-Gxxx-xxx	42B-DMB-GAL-Gxxx-xxx	42B-HMB-GAL-Gxxx-xxx
		Supply #5 port	42B-CMC-GAL-Gxxx-xxx	42B-DMC-GAL-Gxxx-xxx	42B-HMC-GAL-Gxxx-xxx
External			42B-CMD-GAM-Gxxx-xxx	42B-DMD-GAM-Gxxx-xxx	42B-HMD-GAM-Gxxx-xxx
M7	Internal	Supply #3 port	42B-CMB-LAL-Gxxx-xxx	42B-DMB-LAL-Gxxx-xxx	42B-HMB-LAL-Gxxx-xxx
		Supply #5 port	42B-CMC-LAL-Gxxx-xxx	42B-DMC-LAL-Gxxx-xxx	42B-HMC-LAL-Gxxx-xxx
External			42B-CMD-LAM-Gxxx-xxx	42B-DMD-LAM-Gxxx-xxx	42B-HMD-LAM-Gxxx-xxx

STANDARD SOLENOID OPERATOR ➤

G **xxx-xxx***

XX	Voltage	X	Wire length	X	Manual operator		Electrical connection
AA	120 V~/2,5W	A	45 cm	1	Non-locking	BA	Flying leads
DC	24 V=/1,8W	B	60 cm	2	Locking	BT	Flying leads with light
DD	24 V=/2,5W	C	90 cm			GA	MAC JAC Solenoid plug-in
DF	24 V=/4,0W					KA	Mini connector
						KT	Mini connector with light
						KD	Mini connector with rectifier & light & ground

Note : AC voltage requires connector with rectifier.

* Other options available, see page options.

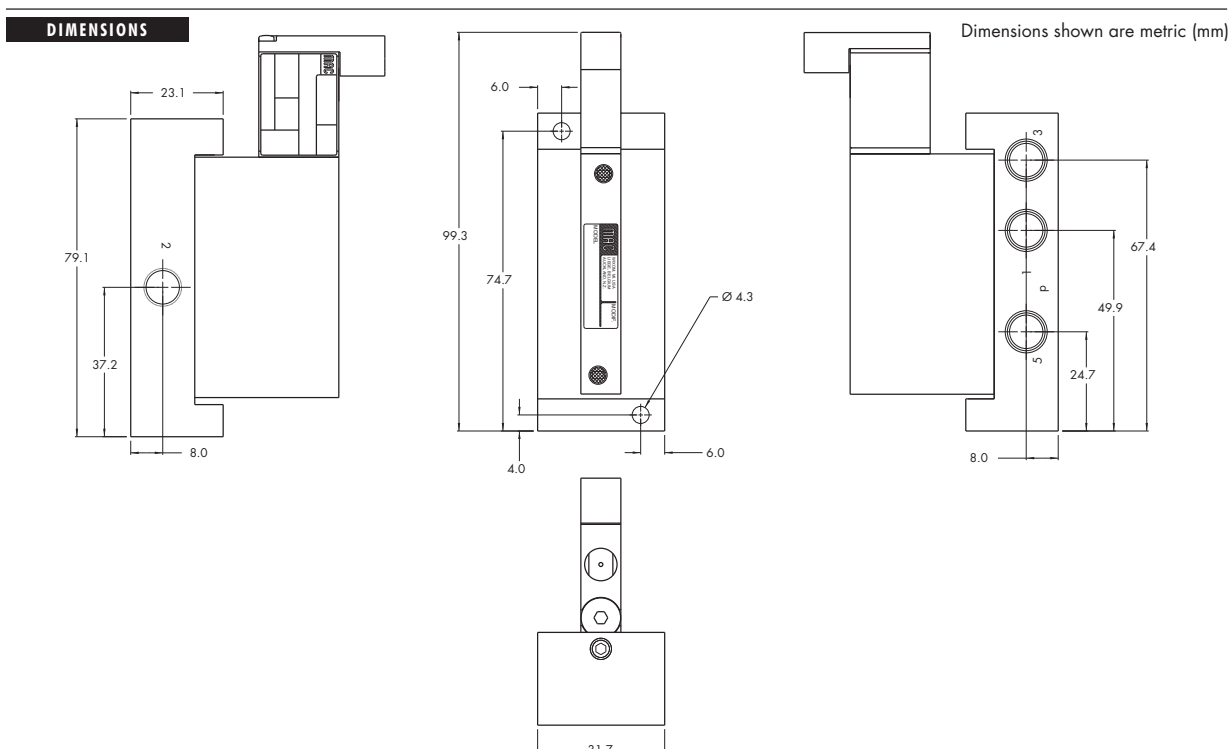


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WARRANTY
18
MONTHS

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 1,3 to 8 bar 3 pos. : 2,3 to 8 bar External Pilot : vacuum to 8 bar
Pilot pressure :	2 position : 1,3 to 8 bar 3 position : 2,3 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 :	3,8 mm
Flow (at 6 bar, ΔP=1bar) :	M7: 400 Nl/min (Cv 0,4) – M5: 350 Nl/min (Cv 0,35)
Coil :	Epoxy encapsulated – 100% ED – Class A wire
Voltage range :	-15% to +10% of nominal voltage
Protection :	IP54 (electrical connection)
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

- Options :
- NPTF threads
 - Sandwich flow controls : FC42B-BB
 - Sandwich regulator : see 'Regulator' section



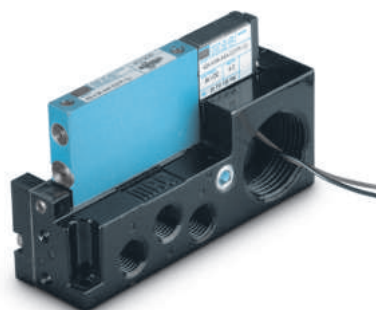


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting
5/2, 5/3	M5, M7	400 NI/min	Subbase "plug-in"

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10,5 mm centres).
3. High flow (up to 400 NI/min).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.



HOW TO ORDER

SINGLE PRESSURE MODELS (LED STANDARD EXCEPT FOR SINGLE SOLENOIDS)

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Closed centre	5/3 Open centre
Valve less base	Internal	42B-AMA-000-GxxP-xxx	42B-BME-000-GxxP-xST	42B-EME-000-GxxP-xST	42B-FME-000-GxxP-xST
	External	42B-AMD-000-GxxP-xxx	42B-BMH-000-GxxP-xST	42B-EMH-000-GxxP-xST	42B-FMH-000-GxxP-xST
M5	Internal	42B-AMA-GAA-GxxP-xxx	42B-BME-GAC-GxxP-xST	42B-EME-GAC-GxxP-xST	42B-FME-GAC-GxxP-xST
	External	42B-AMD-GAB-GxxP-xxx	42B-BMH-GAD-GxxP-xST	42B-EMH-GAD-GxxP-xST	42B-FMH-GAD-GxxP-xST
M7	Internal	42B-AMA-LAA-GxxP-xxx	42B-BME-LAC-GxxP-xST	42B-EME-LAC-GxxP-xST	42B-FME-LAC-GxxP-xST
	External	42B-AMD-LAB-GxxP-xxx	42B-BMH-LAD-GxxP-xST	42B-EMH-LAD-GxxP-xST	42B-FMH-LAD-GxxP-xST

DUAL PRESSURE MODELS (LED STANDARD EXCEPT FOR SINGLE SOLENOIDS)

Port size	Pilot air		5/2 Single solenoid	5/2 Double solenoid	5/3 Pressure centre
					
Valve less base	Internal	Supply #3 port	42B-CMB-000-GxxP-xxx	42B-DMF-000-GxxP-xST	42B-HMF-000-GxxP-xST
		Supply #5 port	42B-CMC-000-GxxP-xxx	42B-DMG-000-GxxP-xST	42B-HMG-000-GxxP-xST
	External		42B-CMD-000-GxxP-xxx	42B-DMH-000-GxxP-xST	42B-HMH-000-GxxP-xST
M5	Internal	Supply #3 port	42B-CMB-GAA-GxxP-xxx	42B-DMF-GAC-GxxP-xST	42B-HMF-GAC-GxxP-xST
		Supply #5 port	42B-CMC-GAA-GxxP-xxx	42B-DMG-GAC-GxxP-xST	42B-HMG-GAC-GxxP-xST
	External		42B-CMD-GAB-GxxP-xxx	42B-DMH-GAD-GxxP-xST	42B-HMH-GAD-GxxP-xST
M7	Internal	Supply #3 port	42B-CMB-LAA-GxxP-xxx	42B-DMF-LAC-GxxP-xST	42B-HMF-LAC-GxxP-xST
		Supply #5 port	42B-CMC-LAA-GxxP-xxx	42B-DMG-LAC-GxxP-xST	42B-HMG-LAC-GxxP-xST
	External		42B-CMD-LAB-GxxP-xxx	42B-DMH-LAD-GxxP-xST	42B-HMH-LAD-GxxP-xST

STANDARD SOLENOID OPERATOR ►

G xx P-xxx*

XX	Voltage	X	Manual operator	XX	Electrical connection
AA	120 V~/2,5W	1	Non-locking	ST	Double solenoid & 3 position models Base plug-in
DC	24 V~/1,8W	2	Locking	SA	Single solenoid models Base plug-in
DD	24 V~/2,5W			SJ	Base plug-in with light
DF	24 V~/4,0W			SS	Base plug-in with rectifier & light & ground

Note : AC voltage requires connector with rectifier (for double solenoid consult factory).

* Other options available, see page options.

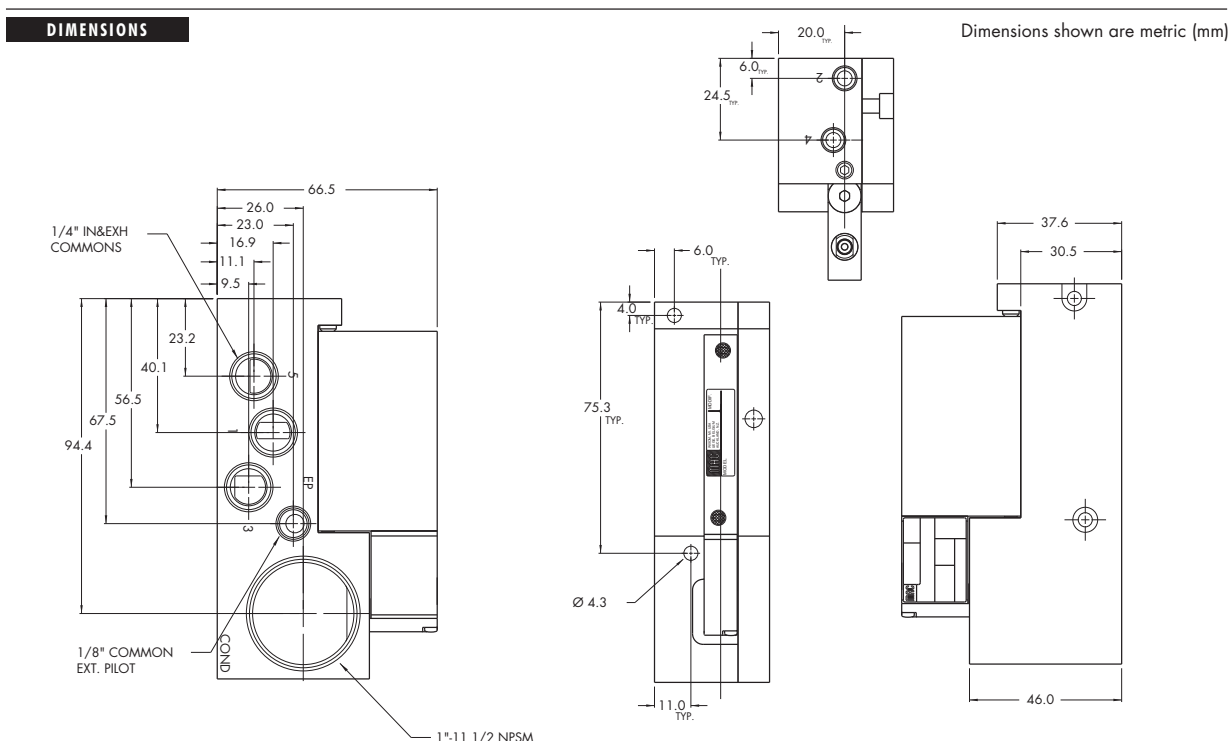


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WARRANTY
18
MONTHS

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 1,3 to 8 bar 3 pos. : 2,3 to 8 bar External Pilot : vacuum to 8 bar
Pilot pressure :	2 position : 1,3 to 8 bar 3 position : 2,3 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 :	3,8 mm
Flow (at 6 bar, ΔP=1bar) :	M7: 400 NI/min (Cv 0,4) – M5: 350 NI/min (Cv 0,35)
Coil :	Epoxy encapsulated – 100% ED – Class A wire
Voltage range :	-15% to +10% of nominal voltage
Protection :	IP54 (electrical connection)
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

- Options :
- NPTF ports
 - Sandwich flow controls : FC42B-AB
 - Sandwich regulator : see 'Regulator' section



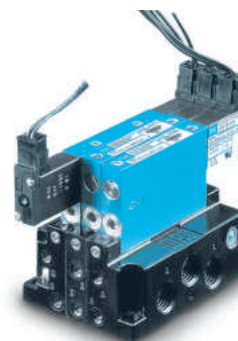


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Manifold mounting
5/2, 5/3	M5, M7	400 NI/min	Manifold base non "plug-in"

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10,5 mm centres).
3. High flow (up to 400 NI/min).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.

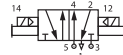


HOW TO ORDER

SINGLE PRESSURE MODELS (MIDDLE STATION MANIFOLDS WITH SIDE PORTS)

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Closed centre	5/3 Open centre
Valve less base	Internal	42B-AMA-000-Gxxx-xxx	42B-BMA-000-Gxxx-xxx	42B-EMA-000-Gxxx-xxx	42B-FMA-000-Gxxx-xxx
	External	42B-AMD-000-Gxxx-xxx	42B-BMD-000-Gxxx-xxx	42B-EMD-000-Gxxx-xxx	42B-FMD-000-Gxxx-xxx
M5	Internal	42B-AMA-GJL-Gxxx-xxx	42B-BMA-GJL-Gxxx-xxx	42B-EMA-GJL-Gxxx-xxx	42B-FMA-GJL-Gxxx-xxx
	External	42B-AMD-GJM-Gxxx-xxx	42B-BMD-GJM-Gxxx-xxx	42B-EMD-GJM-Gxxx-xxx	42B-FMD-GJM-Gxxx-xxx
M7	Internal	42B-AMA-LJL-Gxxx-xxx	42B-BMA-LJL-Gxxx-xxx	42B-EMA-LJL-Gxxx-xxx	42B-FMA-LJL-Gxxx-xxx
	External	42B-AMD-LJM-Gxxx-xxx	42B-BMD-LJM-Gxxx-xxx	42B-EMD-LJM-Gxxx-xxx	42B-FMD-LJM-Gxxx-xxx

DUAL PRESSURE MODELS (MIDDLE STATION MANIFOLDS WITH SIDE PORTS)

Port size	Pilot air		5/2 Single solenoid	5/2 Double solenoid	5/3 Pressure centre
					
Valve less base	Internal	Supply #3 port	42B-CMB-000-Gxxx-xxx	42B-DMB-000-Gxxx-xxx	42B-HMB-000-Gxxx-xxx
		Supply #5 port	42B-CMC-000-Gxxx-xxx	42B-DMC-000-Gxxx-xxx	42B-HMC-000-Gxxx-xxx
External			42B-CMD-000-Gxxx-xxx	42B-DMD-000-Gxxx-xxx	42B-HMD-000-Gxxx-xxx
M5	Internal	Supply #3 port	42B-CMB-GJL-Gxxx-xxx	42B-DMB-GJL-Gxxx-xxx	42B-HMB-GJL-Gxxx-xxx
		Supply #5 port	42B-CMC-GJL-Gxxx-xxx	42B-DMC-GJL-Gxxx-xxx	42B-HMC-GJL-Gxxx-xxx
	External		42B-CMD-GJM-Gxxx-xxx	42B-DMD-GJM-Gxxx-xxx	42B-HMD-GJM-Gxxx-xxx
M7	Internal	Supply #3 port	42B-CMB-LJL-Gxxx-xxx	42B-DMB-LJL-Gxxx-xxx	42B-HMB-LJL-Gxxx-xxx
		Supply #5 port	42B-CMC-LJL-Gxxx-xxx	42B-DMC-LJL-Gxxx-xxx	42B-HMC-LJL-Gxxx-xxx
	External		42B-CMD-LJM-Gxxx-xxx	42B-DMD-LJM-Gxxx-xxx	42B-HMD-LJM-Gxxx-xxx

STANDARD SOLENOID OPERATOR ➤

G **xxx-xxx***

XX	Voltage	X	Wire length	X	Manual operator	XX	Electrical connection
AA	120 V~/2,5W	A	45 cm	1	Non-locking	BA	Flying leads
DC	24 V=/1,8W	B	60 cm	2	Locking	BT	Flying leads with light
DD	24 V=/2,5W	C	90 cm			GA	MAC JAC Solenoid plug-in
DF	24 V=/4,0W					KA	Mini connector
						KT	Mini connector with light
						KD	Mini connector with rectifier & light & ground

Note : - AC voltage requires connector with rectifier.

* Other options available, see page **options**.

Manifold assemblies consist of (1) left end manifold, (1) right end manifold, and middle station manifolds (options "J" or "K").

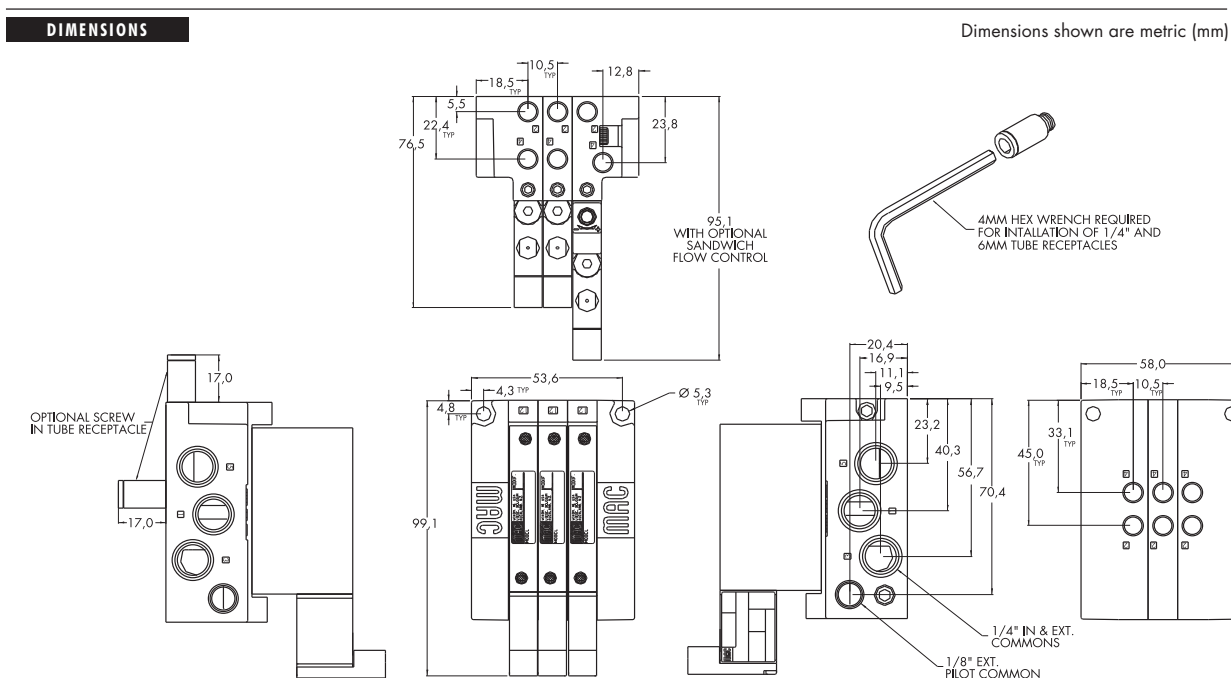


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WARRANTY
18
MONTHS

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 1,3 to 8 bar 3 pos. : 2,3 to 8 bar External Pilot : vacuum to 8 bar
Pilot pressure :	2 position : 1,3 to 8 bar 3 position : 2,3 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 :	3,8 mm
Flow (at 6 bar, ΔP=1bar) :	M7: 400 Nl/min (Cv 0,4) – M5: 350 Nl/min (Cv 0,35)
Coil :	Epoxy encapsulated – 100% ED – Class A wire
Voltage range :	-15% to +10% of nominal voltage
Protection :	IP54 (electrical connection)
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

- Options :
- NPTF threads • Sandwich flow controls : FC42B-BB
 - Sandwich regulator : see "regulators" section • Isolator disk for inlet and exhaust: 28454
 - Valve blanking plate : M-42004



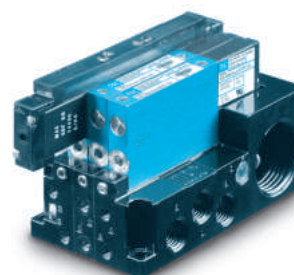


Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Manifold mounting
5/2, 5/3	M5, M7	400 NI/min	Manifold base "plug-in"

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10,5 mm centres).
3. High flow (up to 400 NI/min).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.

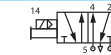
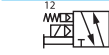


HOW TO ORDER

SINGLE PRESSURE MODELS (LED STANDARD EXCEPT FOR SINGLE SOLENOIDS)

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Closed centre	5/3 Open centre
Valve less base	Internal	42B-AMA-000-GxxP-xxx	42B-BME-000-GxxP-xST	42B-EME-000-GxxP-xST	42B-FME-000-GxxP-xST
	External	42B-AMD-000-GxxP-xxx	42B-BMH-000-GxxP-xST	42B-EMH-000-GxxP-xST	42B-FMH-000-GxxP-xST
M5	Internal	42B-AMA-GJA-GxxP-xxx	42B-BME-GJC-GxxP-xST	42B-EME-GJC-GxxP-xST	42B-FME-GJC-GxxP-xST
	External	42B-AMD-GJB-GxxP-xxx	42B-BMH-GJD-GxxP-xST	42B-EMH-GJD-GxxP-xST	42B-FMH-GJD-GxxP-xST
M7	Internal	42B-AMA-LJA-GxxP-xxx	42B-BME-LJC-GxxP-xST	42B-EME-LJC-GxxP-xST	42B-FME-LJC-GxxP-xST
	External	42B-AMD-LJB-GxxP-xxx	42B-BMH-LJD-GxxP-xST	42B-EMH-LJD-GxxP-xST	42B-FMH-LJD-GxxP-xST

DUAL PRESSURE MODELS (LED STANDARD EXCEPT FOR SINGLE SOLENOIDS)

Port size	Pilot air		5/2 Single solenoid	5/2 Double solenoid	5/3 Pressure centre
					
Valve less base	Internal	Supply #3 port	42B-CMB-000-GxxP-xxx	42B-DMF-000-GxxP-xST	42B-HMF-000-GxxP-xST
		Supply #5 port	42B-CMC-000-GxxP-xxx	42B-DMG-000-GxxP-xST	42B-HMG-000-GxxP-xST
External			42B-CMD-000-GxxP-xxx	42B-DMH-000-GxxP-xST	42B-HMH-000-GxxP-xST
	Internal	Supply #3 port	42B-CMB-GJA-GxxP-xxx	42B-DMF-GJC-GxxP-xST	42B-HMF-GJC-GxxP-xST
M5		Supply #5 port	42B-CMC-GJA-GxxP-xxx	42B-DMG-GJC-GxxP-xST	42B-HMG-GJC-GxxP-xST
	External		42B-CMD-GJB-GxxP-xxx	42B-DMH-GJD-GxxP-xST	42B-HMH-GJD-GxxP-xST
M7	Internal	Supply #3 port	42B-CMB-LJA-GxxP-xxx	42B-DMF-LJC-GxxP-xST	42B-HMF-LJC-GxxP-xST
		Supply #5 port	42B-CMC-LJA-GxxP-xxx	42B-DMG-LJC-GxxP-xST	42B-HMG-LJC-GxxP-xST
External			42B-CMD-LJB-GxxP-xxx	42B-DMH-LJD-GxxP-xST	42B-HMH-LJD-GxxP-xST

STANDARD SOLENOID OPERATOR ➤

G **xx** P-xxx *

Above numbers are middle station manifold with side ports

XX	Voltage	X	Manual operator	XX	Electrical connection
AA	120 V~/2,5W	1	Non-locking	ST	Double solenoid & 3 position models
DC	24 V~/1,8W	2	Locking	SA	Base plug-in
DD	24 V~/2,5W			SJ	Base plug-in with light
DF	24 V~/4,0W			SS	Base plug-in with rectifier & light & ground

* Other options available, see page options.

Note : - AC voltage requires connector with rectifier (for double solenoid consult factory).

- Manifold assemblies consist of (1) left end manifold, (1) right end manifold, and middle station manifolds (options "J" or "K").



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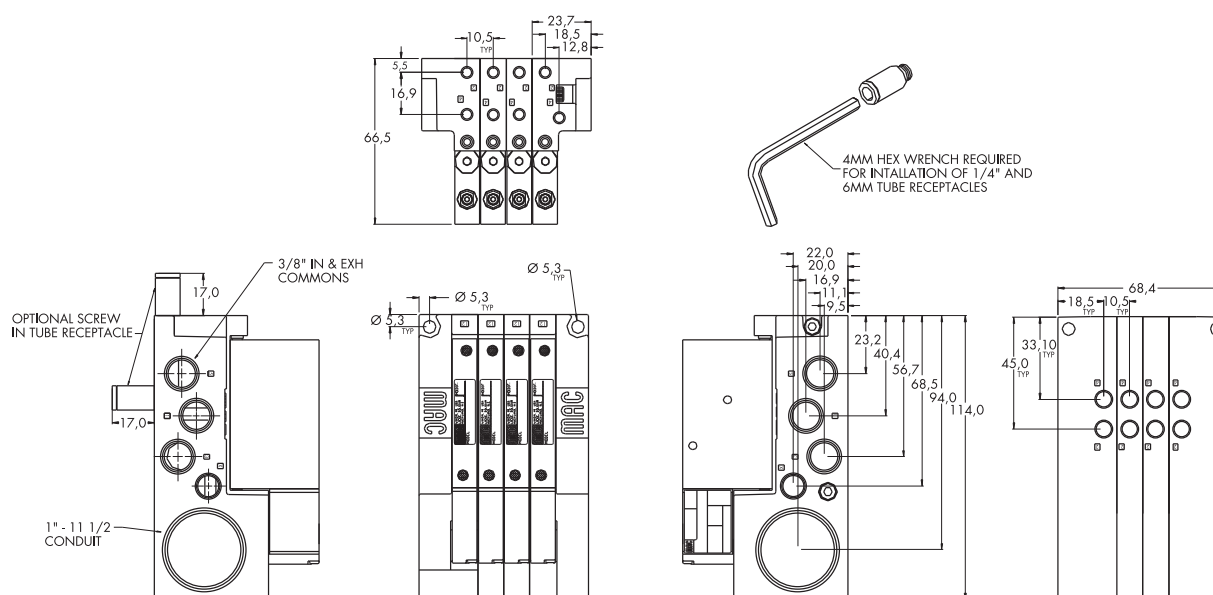
WARRANTY
18
MONTHS

TECHNICAL DATA	
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 1,3 to 8 bar 3 pos. : 2,3 to 8 bar External Pilot : vacuum to 8 bar
Pilot pressure :	2 position : 1,3 to 8 bar 3 position : 2,3 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 :	3,8 mm
Flow (at 6 bar, ΔP=1bar) :	M7: 400 NI/min (Cv 0,4) – M5: 350 NI/min (Cv 0,35)
Coil :	Epoxy encapsulated – 100% ED – Class A wire
Voltage range :	-15% to +10% of nominal voltage
Protection :	IP54 (electrical connection)
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

- Options :
- NPTF threads • Sandwich flow controls : FC42B-AB
 - Sandwich regulator : see "regulators" section • Isolator disk for inlet and exhaust: 28454
 - Valve blanking plate : M-42004 • Plug-in wire protector : 24180

DIMENSIONS

Dimensions shown are metric (mm)





Direct solenoid and solenoid pilot operated valves

OPTIONS FOR NON PLUG-IN VALVES

Base type :

Individual base

42B-XXX-**AX**-G**XXX-XXX**

- A** Individual base – Side port
- B** Individual base – Bottom port

Manifold base

42B-XXX-**XJX**-G**XXX-XXX**

- J** Manifold base – Side ports
- K** Manifold base – Bottom ports
- L** Left end manifold base – Side ports
- M** Left end manifold base – Bottom ports
- N** Right end manifold base – Side ports
- P** Right end manifold base – Bottom ports

Universal spool

42B-RXX-XXX-G**XXX-XXX**

- R** 2 position single solenoid universal spool
- S** 2 position double solenoid universal spool

Base only :

42B-000-XXX (i.e. 42B-000-GAL) - Individual base

42B-000-XXX (i.e. 42B-000-GJL) - Manifold base

Pilot style :

42B-**XX**X-XXX-G**XXX-XXX**

- M** Pilot exhaust muffled
- R** Pilot exhaust piped (M5)
- U** Pilot exhaust to main exhaust



Direct solenoid and solenoid pilot operated valves

OPTIONS FOR PLUG-IN VALVES

Base type :

Individual base

42B-XXX-XAX-GxxP-xxx

- A Individual base – Side port
- B Individual base – Bottom port

Manifold base

42B-XXX-XJX-GxxP-xxx

- J Manifold base – Side ports
- K Manifold base – Bottom ports
- L Left end manifold base – Side ports
- M Left end manifold base – Bottom ports
- N Right end manifold base – Side ports
- P Right end manifold base – Bottom ports

Universal spool

42B-RXX-XXX-GxxP-xxx

- R 2 position single solenoid universal spool
- S 2 position double solenoid universal spool

Base only :

42B-000-XXX (i.e. 42B-000-GAC)

- Individual base wired for a double solenoid

42B-000-XXX (i.e. 42B-000-GJC)

- Manifold base wired for a single solenoid

For LED with diode (2 & 3 position double solenoid valves)

42B-XXJ-XXX-GxxP-xGA

- J Internal pilot single pressure
- K Internal pilot dual pressure supply from #3 port
- L Internal pilot dual pressure supply from #5 port
- M External pilot

Pilot style :

42B-XXM-XXX-GxxP-xxx

- M Pilot exhaust muffled
- R Pilot exhaust piped (M5)
- U Pilot exhaust to main exhaust



P r e s s u r e r e g u l a t o r s

Sandwich pressure regulator with manual adjust knob

OPERATIONAL BENEFITS

1. Easy mounting: saves on installation costs in comparison with inline regulators.
2. Compact all-included units.
3. Large orifice provides high flow.
4. Various functions available.
5. Simple, reliable and solid design.



HOW TO ORDER

NON PLUG-IN SANDWICH REGULATORS

Gauge	Regulator "12" end Internal pilot	Regulator "12" end External pilot
No gauge port	PR42B-BAAA	PR42B-BBAA
With gauge Port	PR42B-BABA	PR42B-BBBA

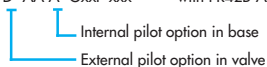
PLUG-IN SANDWICH REGULATORS

Gauge	Regulator "12" end Internal pilot	Regulator "12" end External pilot
No gauge port	PR42B-AAAA	PR42B-ABAA
With gauge Port	PR42B-AABA	PR42B-ABBA

Notes:

- External pilot regulator required only when supply pressure (primary) to the valve is below the minimum operating pressure of the 42 series valve.
- When an internal pilot regulator is used with the 42 series valve, the valve should be ordered as external pilot and the base should be ordered as internal pilot. This ensures that the pilot supply is not regulated. If an internal pilot valve and base are used with an internal pilot regulator, the pilot supply is regulated.

Example: Valve 42B-AM D -AA A -GxxP-xxx with PR42B-AAAA



OPTIONS

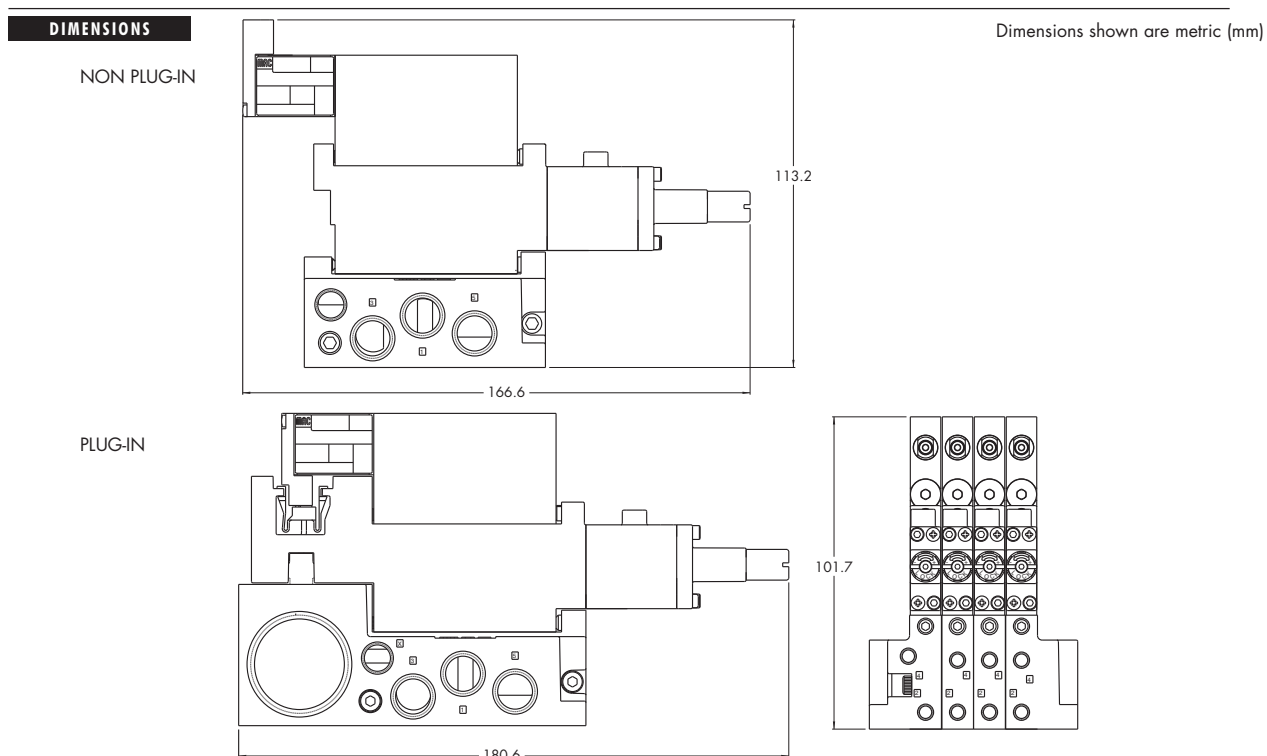
Pressure range :

PR42B-AAAA	A 0 to 8 bar
	B 0 to 5,3 bar
	C 0 to 2,7 bar



TECHNICAL DATA	
Fluid :	Compressed air, inert gases
Pressure range :	0 to 8 bar
Regulating range :	0 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
Flow (at 6 bar, ΔP=1bar) :	250 Nl/min (Cv 0,25)

- Spare parts :
- Pressure regulator (less sandwich block) : PR42B-C0xx • Gauge port plug: N-PE003
 - M5 to 1/8" adapter : N-35005 • Gauge: 24177-160 (0 to 10,7 bar, 23 mm)
24177-100 (0 to 6,7 bar, 23 mm)
24177-060 (0 to 4 bar, 23 mm)



Codification table for voltages / Manual operator / Electrical connection

VALVE CODE ➤

G XX X-X XX
1 2 3 4

1. VOLTAGE			4. ELECTRICAL CONNECTION	
G-XX X-X XX	VOLTAGE		G-XX X-X XX	ELECTRICAL CONNECTION
AA	120V~/2,5W	Requires electrical connector with rectifier	BA	Flying leads
AC	24V~/4,0W	Requires electrical connector with rectifier	BB	BA with ground wire
DA	24V~/1,0W		BC	BA with light
DC	24V~/1,8W		BD	BA with light and ground wire
DD	24V~/2,5W		BE	BA with suppression diode
DE	24V~/3,0W		BF	BA with suppression diode and ground wire
DF	24V~/4,0W		BG	BA with suppression diode and light
DG	12V~/1,0W		BH	BA with suppression diode, light and ground wire
DJ	12V~/1,8W		BN	BA with suppression diode and blocking diode
DK	12V~/2,5W		BP	BA with suppression diode, blocking diode and ground wire
DM	12V~/3,0W			
DN	12V~/4,0W		BR	BA with suppression diode, blocking diode and light
DR	6V~/1,8W		BS	BA with suppression diode, blocking diode, light and ground wire
DS	6V~/3,0W			
EB	48V~/1,8W		GA	MAC JAC Solenoid plug-in
EC	48V~/3,0W		GB	MAC JAC Solenoid plug-in with diode
ED	120V~/2,5W		GC	MAC JAC Solenoid plug-in with MOV
GD	12V~/0,5W	34 series only	GD	MAC JAC Solenoid plug-in with LED
GE	24V~/0,5W	34 series only	GE	MAC JAC Solenoid plug-in with diode and LED
			GF	MAC JAC Solenoid plug-in with MOV and LED
			GG	MAC JAC Solenoid plug-in with rectifier
			GH	MAC JAC Solenoid plug-in with rectifier and LED
			KA	Mini connector
			KB	KA with ground
			KC	KA with rectifier and light
			KD	KA with rectifier, light and ground
			KE	KA with suppression diode
			KF	KA with suppression diode and ground
			KJ	Solenoid plug-in housing without wire assembly
			KM	Solenoid plug-in housing with ground pin without wire assembly
			KN	KA with suppression diode and blocking diode
			KP	KA with suppression diode, blocking diode and ground
			KT	KA with light
			KU	KA with light and ground
			KV	KA with suppression diode and light
			KW	KA with suppression diode, light and ground
			KX	KA with suppression diode, blocking diode and light
			KY	KA with suppression diode, blocking diode, light & ground
2. WIRE LENGTH			ELECTRICAL CONNECTION FOR PLUG-IN VALVES	
G-XX X-X XX	WIRE LENGTH		G-XX X-X XX	PLUG-IN OPTIONS
0	No lead wires (used only with "KJ" & "KM" connectors)		SB	Base plug-in with ground
A	45 cm - 18" coil leads		SC	Base plug-in with suppression & blocking diode
B	60 cm - 24" coil leads		SD	Base plug-in with suppression & blocking diode & ground
C	90 cm - 36" coil leads		SE	Base plug-in with MOV
D	120 cm - 48" coil leads		SF	Base plug-in with MOV & ground
E	180 cm - 72" coil leads		SG	Base plug-in with rectifier
F	240 cm - 96" coil leads		SH	Base plug-in with rectifier & ground
G	305 cm - 120" coil leads		SK	Base plug-in with light & ground
H	366 cm - 144" coil leads		SL	Base plug-in with suppression & blocking diode & light
1	45 cm - 18" base leads		SM	Base plug-in with suppression & blocking diode with light & ground
2	60 cm - 24" base leads		SN	Base plug-in with MOV & light
3	90 cm - 36" base leads		SP	Base plug-in with MOV & light with ground
4	120 cm - 48" base leads		SR	Base plug-in with rectifier & light
5	180 cm - 72" base leads			
6	240 cm - 96" base leads			
7	305 cm - 120" base leads			
3. MANUAL OPERATOR				
G-XX X-X XX	MANUAL OPERATOR			
1	Non-locking recessed			
2	Locking recessed			
3	Non-locking extended			
4	Locking extended			