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 Ангарск (3955)60-70-56
 Архангельск (8182)63-90-72
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Благовещенск (4162)22-76-07
 Брянск (4832)59-03-52
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 Владикавказ (8672)28-90-48
 Владимир (4922)49-43-18
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 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89

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Иваново (4932)77-34-06
 Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Коломна (4966)23-41-49
 Кострома (4942)77-07-48
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Курган (3522)50-90-47
 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
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 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Петрозаводск (8142)55-98-37
 Псков (8112)59-10-37
 Пермь (342)205-81-47

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Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Саранск (8342)22-96-24
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Сургут (3462)77-98-35
 Сыктывкар (8212)25-95-17
 Тамбов (4752)50-40-97
 Тверь (4822)63-31-35

Киргизия +996(312)96-26-47

Тольятти (8482)63-91-07
 Томск (3822)98-41-53
 Тула (4872)33-79-87
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Улан-Удэ (3012)59-97-51
 Уфа (347)229-48-12
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 Челябинск (351)202-03-61
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 Чита (3022)38-34-83
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 Ярославль (4852)69-52-93

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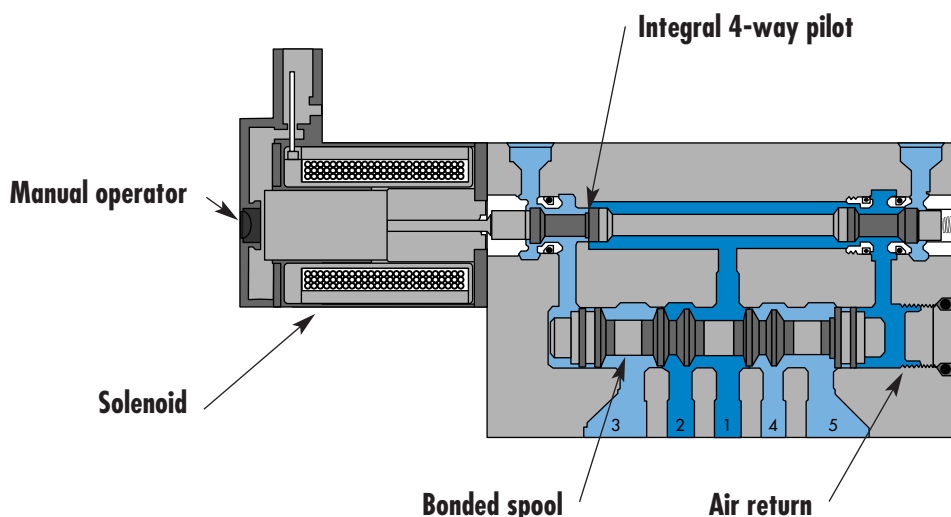


Individual mounting

Sub-base non "plug-in"	Sub-base "plug-in"	Sub-base/ manifold base non "plug-in" with latching solenoid	Sub-base/ manifold base "plug-in" with latching solenoid
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Manifold mounting

Manifold base non "plug-in"	Manifold base "plug-in"	Sub-base/ manifold base non "plug-in" with latching solenoid	Sub-base/ manifold base "plug-in" with latching solenoid
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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.
- Latching solenoid technology.

Function	Port size	Flow [Max]	Individual mounting	Series
5/2, 5/3	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	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 centers).
3. High flow (up to 0.4 C_v).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.



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ISO 01

ISO 02

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ISO 2

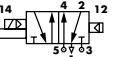
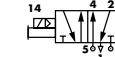
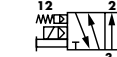
ISO 3

HOW TO ORDER

SINGLE PRESSURE MODELS (VALVE WITH BASE CODED FOR SIDE PORTS)

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Closed center	5/3 Open center
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
# 10-32	Internal	42B-AMA-AAL-Gxxx-xxx	42B-BMA-AAL-Gxxx-xxx	42B-EMA-AAL-Gxxx-xxx	42B-FMA-AAL-Gxxx-xxx
	External	42B-AMD-AAM-Gxxx-xxx	42B-BMD-AAM-Gxxx-xxx	42B-EMD-AAM-Gxxx-xxx	42B-FMD-AAM-Gxxx-xxx
1/4" O.D. tube receptacles	Internal	42B-AMA-EAL-Gxxx-xxx	42B-BMA-EAL-Gxxx-xxx	42B-EMA-EAL-Gxxx-xxx	42B-FMA-EAL-Gxxx-xxx
	External	42B-AMD-EAM-Gxxx-xxx	42B-BMD-EAM-Gxxx-xxx	42B-EMD-EAM-Gxxx-xxx	42B-FMD-EAM-Gxxx-xxx

DUAL PRESSURE MODELS (VALVE WITH BASE CODED FOR SIDE PORTS)

Port size	Pilot air		5/2 Single solenoid	5/2 Double solenoid	5/3 Pressure center
					
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
# 10-32	Internal	Supply #3 port	42B-CMB-AAL-Gxxx-xxx	42B-DMB-AAL-Gxxx-xxx	42B-HMB-AAL-Gxxx-xxx
		Supply #5 port	42B-CMC-AAL-Gxxx-xxx	42B-DMC-AAL-Gxxx-xxx	42B-HMC-AAL-Gxxx-xxx
	External		42B-CMD-AAM-Gxxx-xxx	42B-DMD-AAM-Gxxx-xxx	42B-HMD-AAM-Gxxx-xxx
1/4" O.D. tube receptacles	Internal	Supply #3 port	42B-CMB-EAL-Gxxx-xxx	42B-DMB-EAL-Gxxx-xxx	42B-HMB-EAL-Gxxx-xxx
		Supply #5 port	42B-CMC-EAL-Gxxx-xxx	42B-DMC-EAL-Gxxx-xxx	42B-HMC-EAL-Gxxx-xxx
	External		42B-CMD-EAM-Gxxx-xxx	42B-DMD-EAM-Gxxx-xxx	42B-HMD-EAM-Gxxx-xxx

STANDARD SOLENOID OPERATOR ►

G **xxx-xxx***

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
AA 120 VAC (2.5W)	A 18"	1 Non-locking recessed	BA Flying leads
DC 24 VDC (1.8W)	B 24"	2 Locking recessed	BT Flying leads with light
DD 24 VDC (2.5W)	C 36"		GA MAC JAC solenoid Plug-in
DF 24 VDC (4.0W)			KA Plug-in wire assy.
			KT Plug-in wire assy. with light
			KD Plug-in wire assy. with rectifier & light & ground

Note : AC voltage requires connector with rectifier.

* Other options available, see page 311.

Latching solenoid available for 5/2 valves.

Other options available for the 42 series valves, see page 107.

TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 20 to 120 PSI 3 pos. : 40 to 120 PSI External Pilot : vacuum to 120 PSI
Pilot pressure :	2 position : 20 to 120 PSI 3 position : 40 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) – 1/4" O.D. tube receptacle : (0.4 C _v)
Coil :	Class A wire (#22 AWG x 18), continuous duty
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

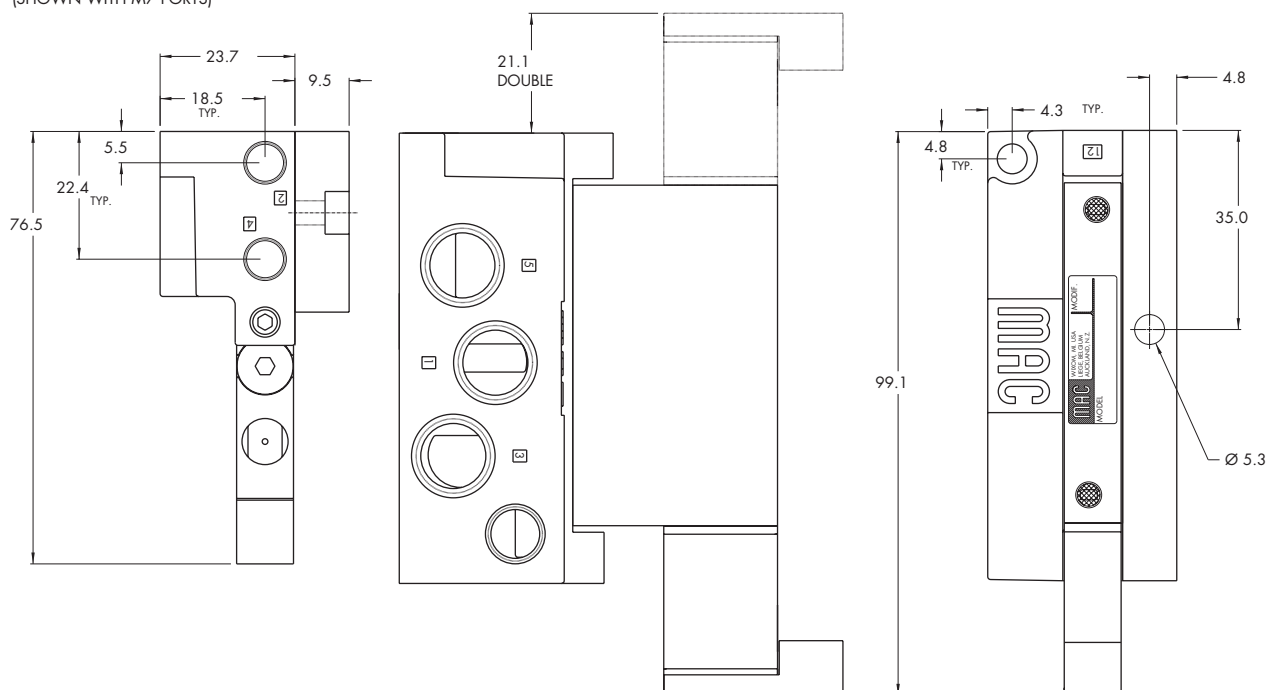
Options :

- M5 ports, M7 ports, 6 mm O.D. tube receptacles
- Sandwich flow controls : FC42B-BB
- Sandwich regulator : see 'Regulator' section

DIMENSIONS

Dimensions shown are metric (mm)

(SHOWN WITH M7 PORTS)



Function	Port size	Flow [Max]	Individual mounting	Series
5/2, 5/3	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	Sub-base "plug-in"	

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10.5 mm centers).
3. High flow (up to 0.4 C_v).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.



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ISO 01

ISO 02

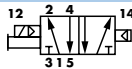
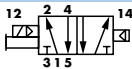
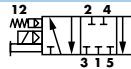
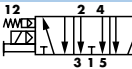
ISO 1

ISO 2

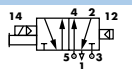
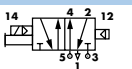
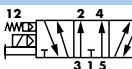
ISO 3

HOW TO ORDER

SINGLE PRESSURE MODELS (LED STANDARD EXCEPT FOR SINGLE SOLENOIDS) - MODELS CODED FOR SIDE PORTS

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Closed center	5/3 Open center
					
Valve less base	Internal	42B-AMA-000-GxxP-xxx	42B-BME-000-GxxP-xST	42B-EME-000-GxxP-xST	42B-FME-000-GxxP-xST
base	External	42B-AMD-000-GxxP-xxx	42B-BMH-000-GxxP-xST	42B-EMH-000-GxxP-xST	42B-FMH-000-GxxP-xST
# 10-32	Internal	42B-AMA-AAA-GxxP-xxx	42B-BME-AAC-GxxP-xST	42B-EME-AAC-GxxP-xST	42B-FME-AAC-GxxP-xST
	External	42B-AMD-AAB-GxxP-xxx	42B-BMH-AAD-GxxP-xST	42B-EMH-AAD-GxxP-xST	42B-FMH-AAD-GxxP-xST
1/4" O.D.	Internal	42B-AMA-EAA-GxxP-xxx	42B-BME-EAC-GxxP-xST	42B-EME-EAC-GxxP-xST	42B-FME-EAC-GxxP-xST
tube receptacles	External	42B-AMD-EAB-GxxP-xxx	42B-BMH-EAD-GxxP-xST	42B-EMH-EAD-GxxP-xST	42B-FMH-EAD-GxxP-xST

DUAL PRESSURE MODELS (LED STANDARD EXCEPT FOR SINGLE SOLENOIDS) - MODELS CODED FOR SIDE PORTS

Port size	Pilot air	5/2 Single solenoid	5/2 Double solenoid	5/3 Pressure center
				
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
# 10-32	Internal	Supply #3 port 42B-CMB-AAA-GxxP-xxx	42B-DMF-AAC-GxxP-xST	42B-HMF-AAC-GxxP-xST
	Supply #5 port	42B-CMC-AAA-GxxP-xxx	42B-DMG-AAC-GxxP-xST	42B-HMG-AAC-GxxP-xST
	External	42B-CMD-AAB-GxxP-xxx	42B-DMH-AAD-GxxP-xST	42B-HMH-AAD-GxxP-xST
1/4" O.D.	Internal	Supply #3 port 42B-CMB-EAA-GxxP-xxx	42B-DMF-EAC-GxxP-xST	42B-HMF-EAC-GxxP-xST
tube receptacles	Supply #5 port	42B-CMC-EAA-GxxP-xxx	42B-DMG-EAC-GxxP-xST	42B-HMG-EAC-GxxP-xST
	External	42B-CMD-EAB-GxxP-xxx	42B-DMH-EAD-GxxP-xST	42B-HMH-EAD-GxxP-xST

STANDARD SOLENOID OPERATOR ►

G **xx** P-**xxx***

XX	Voltage	X	Manual operator	XX	Electrical connection
AA	120 VAC (2.5W)	1	Non-locking recessed	ST	Double solenoid & 3 position models Base plug-in
DC	24 VDC (1.8W)	2	Locking recessed	SA	Single solenoid models Base plug-in
DD	24 VDC (2.5W)			SJ	Base plug-in with light
DF	24 VDC (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 311.

Other options available for the 42 series valves, see page 108.

TECHNICAL DATA

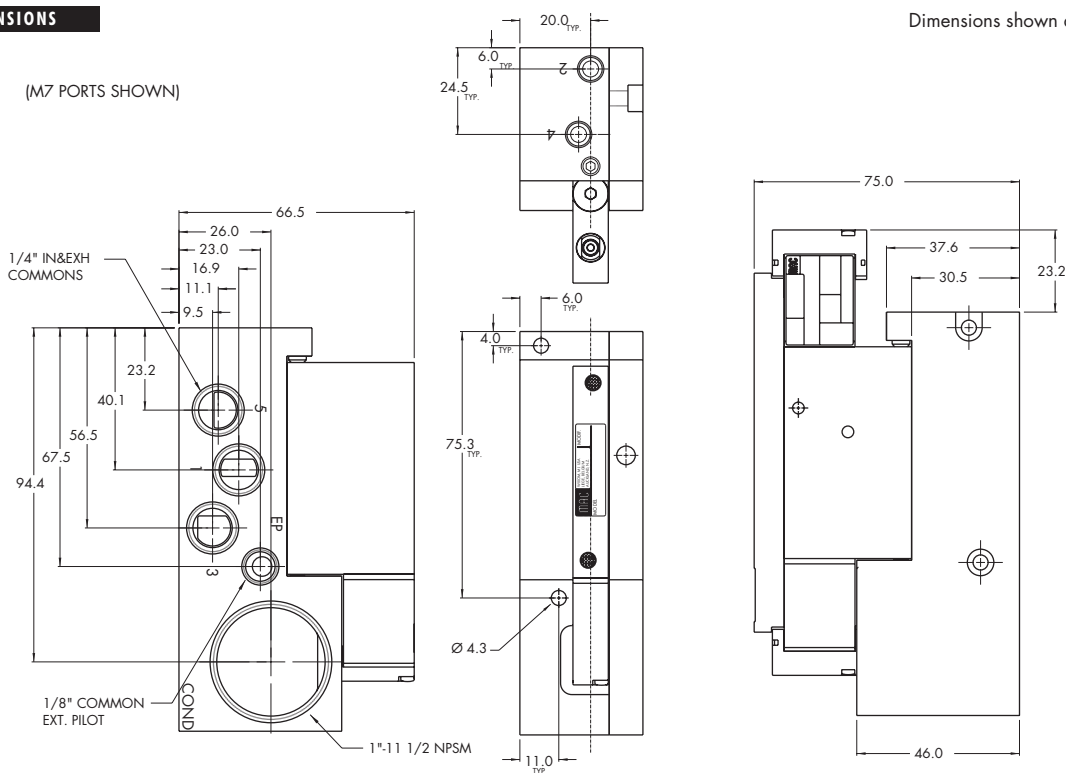
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 20 to 120 PSI 3 pos. : 40 to 120 PSI External Pilot : vacuum to 120 PSI
Pilot pressure :	2 position : 20 to 120 PSI 3 position : 40 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) – 1/4" O.D. tube receptacle : (0.4 C _v)
Coil :	Class A continuous duty, #22 AWG x 12 base leads
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

Options :

- M5 ports, M7 ports, 6 mm O.D. tube receptacles
- Sandwich flow controls : FC42B-AB
- Sandwich regulator : see 'Regulator' section

DIMENSIONS

Dimensions shown are metric (mm)



Function	Port size	Flow [Max]	Manifold mounting	Series
5/2, 5/3	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	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 centers).
3. High flow (up to 0.4 C_v).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.



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ISO 01

ISO 02

ISO 1

ISO 2

ISO 3

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 center	5/3 Open center
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
# 10-32	Internal	42B-AMA-AJL-Gxxx-xxx	42B-BMA-AJL-Gxxx-xxx	42B-EMA-AJL-Gxxx-xxx	42B-FMA-AJL-Gxxx-xxx
	External	42B-AMD-AJM-Gxxx-xxx	42B-BMD-AJM-Gxxx-xxx	42B-EMD-AJM-Gxxx-xxx	42B-FMD-AJM-Gxxx-xxx
1/4" O.D. tube receptacles	Internal	42B-AMA-EJL-Gxxx-xxx	42B-BMA-EJL-Gxxx-xxx	42B-EMA-EJL-Gxxx-xxx	42B-FMA-EJL-Gxxx-xxx
	External	42B-AMD-EJM-Gxxx-xxx	42B-BMD-EJM-Gxxx-xxx	42B-EMD-EJM-Gxxx-xxx	42B-FMD-EJM-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 center
Valve less base	Internal Supply #3 port	42B-CMB-000-Gxxx-xxx	42B-DMB-000-Gxxx-xxx	42B-HMB-000-Gxxx-xxx
	Internal Supply #5 port	42B-CMC-000-Gxxx-xxx	42B-DMC-000-Gxxx-xxx	42B-HMC-000-Gxxx-xxx
# 10-32	External Supply #3 port	42B-CMD-000-Gxxx-xxx	42B-DMD-000-Gxxx-xxx	42B-HMD-000-Gxxx-xxx
	External Supply #5 port	42B-CMB-AJL-Gxxx-xxx	42B-DMB-AJL-Gxxx-xxx	42B-HMB-AJL-Gxxx-xxx
1/4" O.D. tube receptacles	Internal Supply #3 port	42B-CMB-EJL-Gxxx-xxx	42B-DMB-EJL-Gxxx-xxx	42B-HMB-EJL-Gxxx-xxx
	Internal Supply #5 port	42B-CMC-EJL-Gxxx-xxx	42B-DMC-EJL-Gxxx-xxx	42B-HMC-EJL-Gxxx-xxx
	External	42B-CMD-EJM-Gxxx-xxx	42B-DMD-EJM-Gxxx-xxx	42B-HMD-EJM-Gxxx-xxx

STANDARD SOLENOID OPERATOR ➤

G **xxx-xxx***

XX Voltage	X Wire length	X Manual operator	XX Electrical connection
AA 120 VAC (2.5W)	A 18"	1 Non-locking recessed	BA Flying leads
DC 24 VDC (1.8W)	B 24"	2 Locking recessed	BT Flying leads with light
DD 24 VDC (2.5W)	C 36"		GA MAC JAC solenoid plug-in
DF 24 VDC (4.0W)			KA Plug-in wire assy.
			KT Plug-in wire assy. with light
			KD Plug-in wire assy. with rectifier & light & ground

Note : - AC voltage requires connector with rectifier.

* Other options available, see page 311.

Latching solenoid available for 5/2 valves.

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

Other options available for the 42 series valves, see page 107.

TECHNICAL DATA

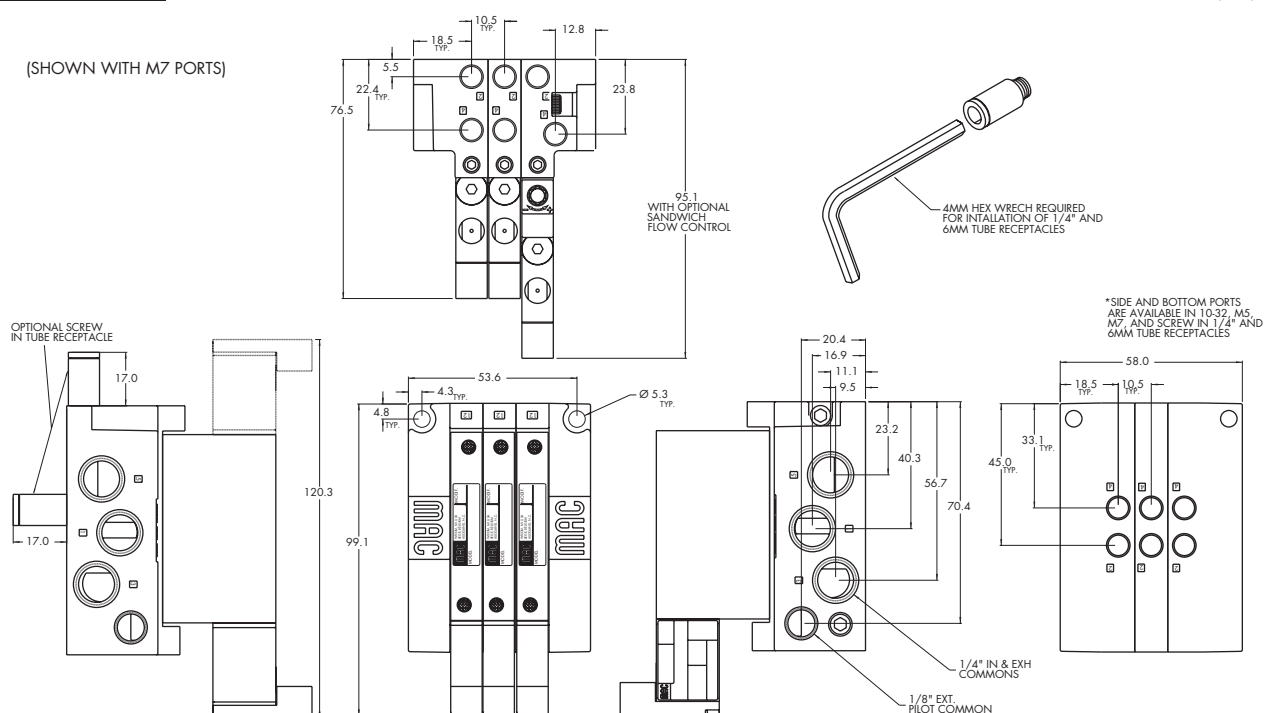
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 20 to 120 PSI 3 pos. : 40 to 120 PSI External Pilot : vacuum to 120 PSI
Pilot pressure :	2 position : 20 to 120 PSI 3 position : 40 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) – 1/4" O.D. tube receptacle : (0.4 C _v)
Coil :	Class A wire (#22 AWG x 18), continuous duty
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times :	Energize : 5 ms (with 24V 4 W coil) De-energize : 5 ms

Options :

- M5 ports, M7 ports, 6 mm O.D. tube receptacles
- Sandwich flow controls : FC42B-BB
- Sandwich regulator : see "regulators" section
- Isolator disk for inlet or exhaust: 28454
- Valve blanking plate : M-42004

DIMENSIONS

Dimensions shown are metric (mm)



Function	Port size	Flow [Max]	Manifold mounting	Series
5/2, 5/3	# 10-32 - 1/4" O.D. tube receptacle	0.4 C_v	Manifold base "plug-in"	

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 10 mm valve (stacks on 10.5 mm centers).
3. High flow (up to 0.4 C_v).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.



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ISO 01

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ISO 3

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 center	5/3 Open center
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
# 10-32	Internal	42B-AMA-AJA-GxxP-xxx	42B-BME-AJC-GxxP-xST	42B-EME-AJC-GxxP-xST	42B-FME-AJC-GxxP-xST
	External	42B-AMD-AJB-GxxP-xxx	42B-BMH-AJD-GxxP-xST	42B-EMH-AJD-GxxP-xST	42B-FMH-AJD-GxxP-xST
1/4" O.D. tube receptacles	Internal	42B-AMA-EJA-GxxP-xxx	42B-BME-EJC-GxxP-xST	42B-EME-EJC-GxxP-xST	42B-FME-EJC-GxxP-xST
	External	42B-AMD-EJB-GxxP-xxx	42B-BMH-EJD-GxxP-xST	42B-EMH-EJD-GxxP-xST	42B-FMH-EJD-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 center
Valve less base	Internal	Supply #3 port	42B-CMB-000-GxxP-xxx	42B-DMF-000-GxxP-xST
		Supply #5 port	42B-CMC-000-GxxP-xxx	42B-DMG-000-GxxP-xST
	External	Supply #3 port	42B-CMD-000-GxxP-xxx	42B-DMH-000-GxxP-xST
		Supply #5 port	42B-CMC-AJA-GxxP-xxx	42B-DMF-AJC-GxxP-xST
# 10-32	Internal	Supply #3 port	42B-CMB-AJA-GxxP-xxx	42B-DMF-AJC-GxxP-xST
		Supply #5 port	42B-CMC-AJA-GxxP-xxx	42B-DMG-AJC-GxxP-xST
	External	Supply #3 port	42B-CMD-AJB-GxxP-xxx	42B-DMH-AJD-GxxP-xST
		Supply #5 port	42B-CMC-EJA-GxxP-xxx	42B-DMF-EJC-GxxP-xST
1/4" O.D. tube receptacles	Internal	Supply #3 port	42B-CMB-EJA-GxxP-xxx	42B-DMF-EJC-GxxP-xST
		Supply #5 port	42B-CMC-EJA-GxxP-xxx	42B-DMG-EJC-GxxP-xST
	External	Supply #3 port	42B-CMD-EJB-GxxP-xxx	42B-DMH-EJD-GxxP-xST
		Supply #5 port	42B-CMC-EJB-GxxP-xxx	42B-DMG-EJB-GxxP-xST

STANDARD SOLENOID OPERATOR ➤

G **XX** P-**XXX***

Above numbers are middle station manifolds with side ports

XX Voltage	X Manual operator	XX Electrical connection
AA 120 VAC (2.5W)	1 Non-locking recessed	ST Base plug-in
DC 24 VDC (1.8W)	2 Locking recessed	SA Base plug-in
DD 24 VDC (2.5W)		SJ Base plug-in with light
DF 24 VDC (4.0W)		SS Base plug-in with rectifier & light & ground

* Other options available, see page 311.

** Latching solenoid available for 5/2 valves.

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").

Other options available for the 42 series valves, see page 108.

TECHNICAL DATA

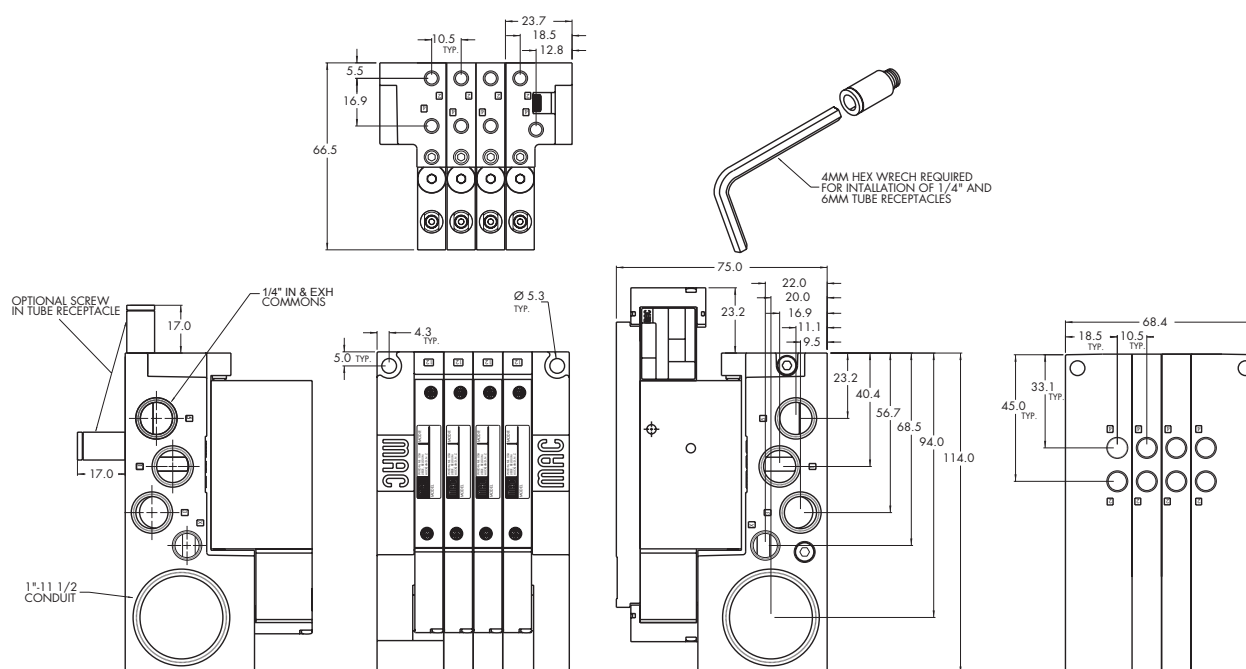
Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal Pilot - 2 pos. : 20 to 120 PSI 3 pos. : 40 to 120 PSI External Pilot : vacuum to 120 PSI
Pilot pressure :	2 position : 20 to 120 PSI 3 position : 40 to 120 PSI
Lubrication :	Not required, if used select a medium aniline point lubricant (between 180°F and 210°F)
Filtration :	40 µ
Temperature range :	0°F to 120°F (-18°C to +50°C)
Flow :	# 10-32 : (0.35 C _v) – 1/4" O.D. tube receptacle : (0.4 C _v)
Coil :	Class A continuous duty, #22 AWG x 12 base leads
Voltage range :	-15% to +10% of nominal voltage
Power :	1.0 to 4.0 W
Response times : (with 24V 4 W coil)	Energize : 5 ms De-energize : 5 ms

Options :

- M5 ports, M7 ports, 6 mm O.D. tube receptacles • Sandwich flow controls : FC42B-AB
- Sandwich regulator : see "regulators" section • Isolator disk for inlet or exhaust: 28454
- Valve blanking plate : M-42004 • Plug-in wire protector : 24180

DIMENSIONS

Dimensions shown are metric (mm)



OPTIONS FOR NON PLUG-IN VALVES	33
Base type :	34
Individual base	36
42B-XXX-X A X-Gxxx-xxx	
A Individual base – Side ports	
B Individual base – Bottom ports	
Manifold base	
42B-XXX-X J X-Gxxx-xxx	
J Manifold base – Side ports	
K Manifold base – Bottom ports	
L Left end manifold base – Side ports	32
M Left end manifold base – Bottom ports	37
N Right end manifold base – Side ports	38
P Right end manifold base – Bottom ports	52
Universal spool	67
42B-RXX-XXX-Gxxx-xxx	
R 2 position single solenoid universal spool	69
S 2 position double solenoid universal spool	44
Base only :	46
42B-000-XXX (i.e. 42B-000-AAL) - Individual base	
42B-000-XXX (i.e. 42B-000-AJL) - Manifold base	
Pilot style :	42
42B-X M X-XXX-Gxxx-xxx	
M Pilot exhaust muffled	47
P Pilot exhaust piped (# 10-32)	48P
U Pilot exhaust to main exhaust	
	48
	400
	92
	93
	ISO 01
	ISO 02
	ISO 1
	ISO 2
	ISO 3

OPTIONS FOR PLUG-IN VALVES

Base type :

Individual base

42B-XXX-**AX**-G**xxP**-xxx

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

Manifold base

42B-XXX-**JX**-G**xxP**-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**xxP**-xxx

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

Base only :

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

- Individual base wired for a double solenoid

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

- Manifold base wired for a single solenoid

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

42B-XX**J**-XXX-G**xxP**-xST

- 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-XX**MX**-XXX-G**xxP**-xxx

- M** Pilot exhaust muffled
- P** Pilot exhaust piped (# 10-32)
- U** Pilot exhaust to main exhaust



Codification table for voltages / Manual operator / Electrical connection

VALVE CODE ➤ **G XX X-X XX**
1 2 3 4

OPTIONS AVAILABLE FOR

- Solenoid valves 32, 34, 38, 42, 44 & 48 Series

1. VOLTAGE

G-XX X-X XX	VOLTAGE
AA	120 VAC (2.5W) Requires electrical connector with rectifier
AC	24 VAC (4.0W) Requires electrical connector with rectifier
DA	24 VDC (1.0W)
DC	24 VDC (1.8W)
DD	24 VDC (2.5W)
DE	24 VDC (3.0W)
DF	24 VDC (4.0W)
DG	12 VDC (1.0W)
DJ	12 VDC (1.8W)
DK	12 VDC (2.5W)
DM	12 VDC (3.0W)
DN	12 VDC (4.0W)
DR	6 VDC (1.8W)
DS	6 VDC (3.0W)
EB	48 VDC (1.8W)
EC	48 VDC (3.0W)
ED	120 VDC (2.5W)
GD	12 VDC (0.5W) 34 series only
GE	24 VDC (0.5W) 34 series only

2. WIRE LENGTH

G-XX X-X XX	WIRE LENGTH
0	No lead wires (used only with "KJ" & "KM" connectors)
A	18" coil leads
B	24" coil leads
C	36" coil leads
D	48" coil leads
E	72" coil leads
F	96" coil leads
G	120" coil leads
H	144" coil leads
1	18" base leads
2	24" base leads
3	36" base leads
4	48" base leads
5	72" base leads
6	96" base leads
7	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

4. ELECTRICAL CONNECTION

G-XX X-X XX	ELECTRICAL CONNECTION
BA	Flying leads
BB	BA with ground wire
BC	BA with light
BD	BA with light and ground wire
BE	BA with suppression diode
BF	BA with suppression diode and ground wire
BG	BA with suppression diode and light
BH	BA with suppression diode, light and ground wire
BN	BA with suppression diode and blocking diode
BP	BA with suppression diode, blocking diode and ground wire
BR	BA with suppression diode, blocking diode and light
BS	BA with suppression diode, blocking diode, light and ground wire
GA	MAC JAC Solenoid plug-in
GB	MAC JAC Solenoid plug-in w/Diode
GC	MAC JAC Solenoid plug-in w/MOV
GD	MAC JAC Solenoid plug-in w/LED
GE	MAC JAC Solenoid plug-in w/Diode & LED
GF	MAC JAC Solenoid plug-in w/MOV & LED
GG	MAC JAC Solenoid plug-in w/Rectifier
GH	MAC JAC Solenoid plug-in w/Rectifier & LED
KA	Solenoid plug-in wire assembly
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

ELECTRICAL CONNECTION FOR PLUG-IN VALVES

G-XX X-X XX	PLUG-IN OPTIONS
SB	Base plug-in with ground
SC	Base plug-in with suppression and blocking diode
SD	Base plug-in with suppression and blocking diode and ground
SE	Base plug-in with MOV
SF	Base plug-in with MOV and ground
SG	Base plug-in with rectifier
SH	Base plug-in with rectifier and ground
SK	Base plug-in with light and ground
SL	Base plug-in with suppression and blocking diode and light
SM	Base plug-in with suppression and blocking diode with light and ground
SN	Base plug-in with MOV and light
SP	Base plug-in with MOV and light with ground
SR	Base plug-in with rectifier and light

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
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Курган (3522)50-90-47
Липецк (4742)52-20-81

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Псков (8112)59-10-37
Пермь (342)205-81-47

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Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
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