

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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Series

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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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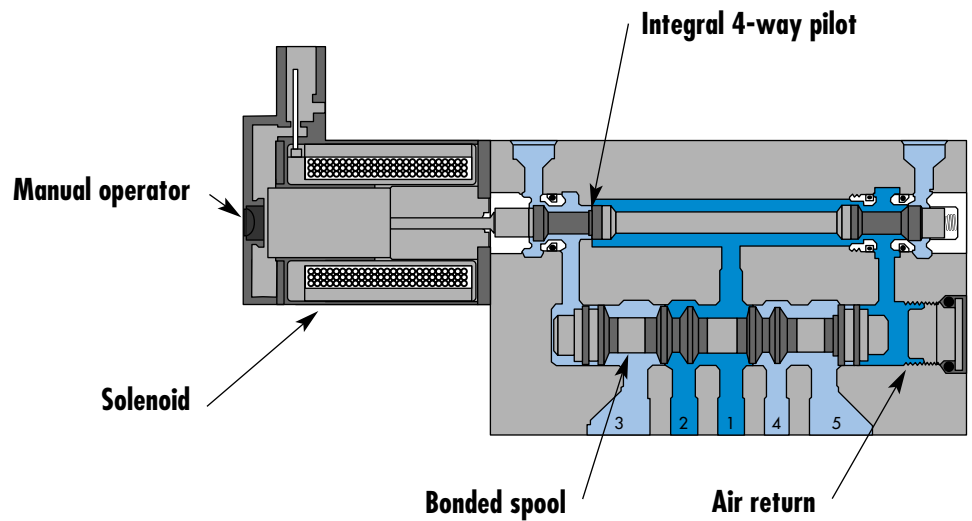
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ISO 1

ISO 2

ISO 3



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.



Direct solenoid and solenoid pilot operated valves

Function	Port size	Flow [Max]	Individual mounting	Series
5/2, 5/3	1/8"	1.1 C_v	Sub-base non "plug-in"	

OPERATIONAL BENEFITS

1. 4-way valve with 4-way integral pilot.
2. 16 mm valve (stacks on 16.5 mm centers).
3. High flow (up to 1.1 C_v).
4. Fast repeatable response times.
5. Maximum shifting forces in both directions.
6. Long life.



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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	48A-AMA-000-Gxxx-xxx	48A-BMA-000-Gxxx-xxx	48A-EMA-000-Gxxx-xxx	48A-FMA-000-Gxxx-xxx
	External	48A-AMD-000-Gxxx-xxx	48A-BMD-000-Gxxx-xxx	48A-EMD-000-Gxxx-xxx	48A-FMD-000-Gxxx-xxx
1/8" NPTF	Internal	48A-AMA-AAL-Gxxx-xxx	48A-BMA-AAL-Gxxx-xxx	48A-EMA-AAL-Gxxx-xxx	48A-FMA-AAL-Gxxx-xxx
	External	48A-AMD-AAM-Gxxx-xxx	48A-BMD-AAM-Gxxx-xxx	48A-EMD-AAM-Gxxx-xxx	48A-FMD-AAM-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	48A-CMB-000-Gxxx-xxx	48A-DMB-000-Gxxx-xxx
		Supply #5 port	48A-CMC-000-Gxxx-xxx	48A-DMC-000-Gxxx-xxx
	External		48A-CMD-000-Gxxx-xxx	48A-DMD-000-Gxxx-xxx
1/8" NPTF	Internal	Supply #3 port	48A-CMB-AAL-Gxxx-xxx	48A-DMB-AAL-Gxxx-xxx
		Supply #5 port	48A-CMC-AAL-Gxxx-xxx	48A-DMC-AAL-Gxxx-xxx
	External		48A-CMD-AAM-Gxxx-xxx	48A-DMD-AAM-Gxxx-xxx

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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"		KA Plug-in wire assy.
DF 24 VDC (4.0W)			KT Plug-in wire assy. with light
			KD Plug-in wire assy. with rectifier & light & ground

* Click here for other options available.
Click here for latching solenoid also available.
Note : AC voltage requires connector with rectifier.
Click here for other options available for the 48 series valves.

TECHNICAL DATA

Fluid :	Compressed air, vacuum, inert gases
Pressure range :	Internal pilot: 2 pos.: 20 to 120 PSI - 3 pos.: 35 to 120 PSI External pilot: vacuum to 120 PSI
Pilot pressure :	2 position : 20 to 120 PSI - 3 position : 35 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 :	1/8" side ports: (1.0 C _v) - 1/8" bottom ports : (1.1 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 4 W coil)	Energize : 6 ms De-energize : 6 ms

Options :

- BSPP threads • 1/4" O.D. pressed in tube receptacles • Sandwich Flow controls: FC48A-BB
- Sandwich regulator: see "regulators" section

DIMENSIONS

Dimensions shown are metric (mm)

