

XM Valve Series

XM series is a 1/8 inch ported, 3-way and 4-way, 2-position, spring return, normally open or normally closed, general purpose air valve.

Ports

- 1/8" NPT

Mounting

- Inline
- IEM bar manifold
- Subbase valve manifold

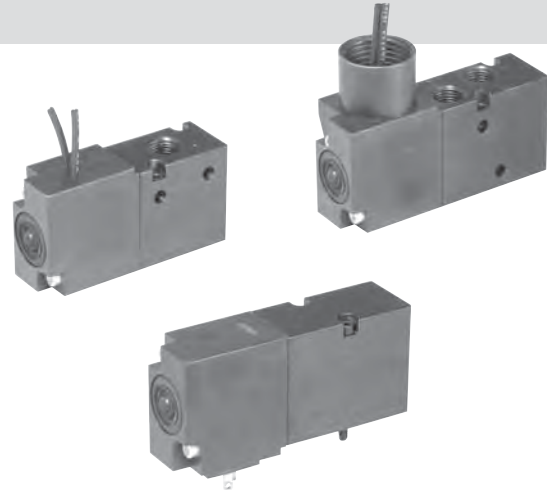
Solenoids

- Continuous duty rated
- 24" grommet
- 15mm 3-pin (9.4mm pin spacing)
- 1/2" conduit
- 12VDC to 240VAC

Balanced poppet

- 3-way N.O. & N.C.
- Diverter
- Selector
- Vacuum option

ROHS compliant



Material specifications

Body	Aluminum
Center post and armature	Stainless steel
Stem	Brass
Spring	Stainless steel
Seals	Buna N
Center post sleeve	Acetal
Coil	General purpose Class B, encapsulated

Performance information

Code	Electrical			Power consumption (W / VA)	Holding current (Amps)	Flow	
	Voltage		Cv chart			3-way	4-way
	AC	DC					
	60Hz	50Hz					
42	24	22	—	4.8VA	.200	.15	.15
45*	—	—	12	4.5W	.375	.15	.15
49*	—	—	24	4.5W	.188	.15	.15
53	120	110	—	4.32VA	.036	.15	.15
57	240	220	—	4.32VA	.018	.15	.15

* Mobile voltage, +25/-30%
 Note: Voltage tolerance: +10 / -15%
 Cv tested per ANSI / (NFPA) T3.21.3

Operating information

3-way, N operating pressure:	0 to 125 PSIG
3-way, V* operating pressure:	0.28" Hg to 125 PSIG
4-way, N operating pressure:	0.28" Hg to 125 PSIG
Temperature range:	32°F to 125°F (0°C to 50°C)

* For vacuum service

Response time

Code	Voltage	0 Cu. in. test chamber		12 Cu. in. test chamber	
		Fill	Exhaust	Fill	Exhaust
49	24VDC	.011	.007	.240	.384
53	120VAC	.011	.020	.240	.384







Average Fill Time (Seconds): With 100 PSIG supply, time required to fill from 0-90 PSIG and exhaust from 100 PSIG to 10 PSIG is measured from instant of energizing, or de-energizing solenoid. Times shown are average.
 Tested per ANSI / (NFPA) T3.21.8.

Most popular.




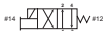



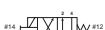
XM Series
 15mm Solenoid
 D
 Direct Acting Valve Products

3-way Inline Valves

	Symbol	Port size	Cv	Voltage	Valve type	Weight	Part number
		1/8"	.15	24" Grommet, 24VDC	Inline	4 oz	XM30NBG49A
		1/8"	.15	24" Grommet, 120VAC	Inline	(.11 Kg)	XM30NBG53A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 24VDC	Inline	4 oz	XM30NB549A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 120VAC	Inline	(.11 Kg)	XM30NB553A
		1/8"	.15	1/2" Conduit / 24" leads, 24VDC	Inline	5 oz	XM30NBH49A
		1/8"	.15	1/2" Conduit / 24" leads, 120VAC	Inline	(.14 Kg)	XM30NBH53A


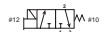

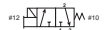
Note: All units with non-locking flush override. Can be used as N.O / N.C. / Diverter / Selector function.

4-way Inline Valves

	Symbol	Port size	Cv	Voltage	Valve type	Weight	Part number
		1/8"	.15	24" Grommet, 24VDC	Inline	4.3 oz	XM40NBG49A
		1/8"	.15	24" Grommet, 120VAC	Inline	(.12 Kg)	XM40NBG53A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 24VDC	Inline	4.3 oz	XM40NB549A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 120VAC	Inline	(.12 Kg)	XM40NB553A
		1/8"	.15	1/2" Conduit / 24" leads, 24VDC	Inline	5.3 oz	XM40NBH49A
		1/8"	.15	1/2" Conduit / 24" leads, 120VAC	Inline	(.15 Kg)	XM40NBH53A





Note: All units with non-locking flush override.

3-way Subbase Mount Valves

	Symbol	Port size	Cv	Voltage	Valve type	Weight	Part number
		1/8"	.15	24" Grommet, 24VDC	Subbase mount	4 oz	XM3VNBG49A
		1/8"	.15	24" Grommet, 120VAC	Subbase mount	(.11 Kg)	XM3VNBG53A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 24VDC	Subbase mount	4 oz	XM3VNB549A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 120VAC	Subbase mount	(.11 Kg)	XM3VNB553A

Note: All units with non-locking flush override. Can be used as N.O / N.C. / Diverter / Selector function.

4-way Subbase Mount Valves

	Symbol	Port size	Cv	Voltage	Valve type	Weight	Part number
		1/8"	.15	24" Grommet, 24VDC	Subbase mount	4.3 oz	XM4VNBG49A
		1/8"	.15	24" Grommet, 120VAC	Subbase mount	(.12 Kg)	XM4VNBG53A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 24VDC	Subbase mount	4.3 oz	XM4VNB549A
		1/8"	.15	3-Pin, 15mm, DIN 9.4mm, 120VAC	Subbase mount	(.12 Kg)	XM4VNB553A

Note: All units with non-locking flush override.

XM Series

15mm Solenoid

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Manifold



Description	Part number
IEM bar manifold (NPT)	PSMXN##NP

- stations 02 to 12 (04 Shown)

Subbase



Description	Part number
Manifold subbase kit (NPT)	PSXM530CP

Plug-in Electrical Connectors - 9.4mm

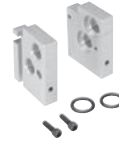


Description	Indication	Voltage	Part number
Unwired Plug	None	N/A	PESC10
	LED & Suppression	12/24V	PESC2020B
		120VAC	PESC2001F



Plug with 6" lead	None	N/A	PESC12
	LED & Suppression	12/24V	PESC2220B
		120VAC	PESC2201F

Accessories



Description	Part number
End plate kit (NPT)	PSXM31010P



Blanking plate kit	PSXM8310P
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Subbase Kit includes: (1) Plate, (3) Screws, (4) Gaskets
 Fits subbase or IEM type manifold.



Mounting Bracket - Inline valve	PSXM8288P
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Isolator plugs - Subbase manifold	PSXM40900P
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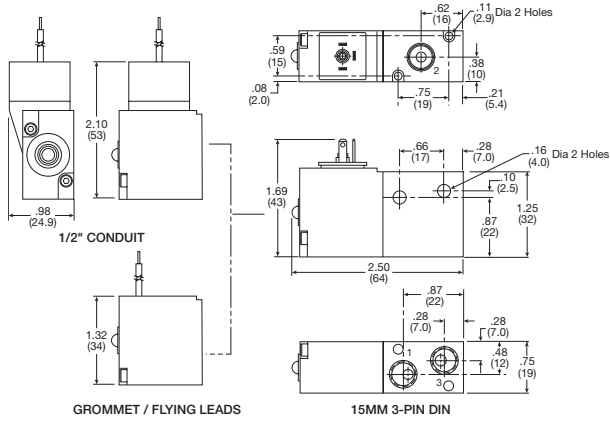
IEM valve / manifold o-ring kit	PSXM2186P
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Subbase valve / manifold bolt kit	PSXM8100P
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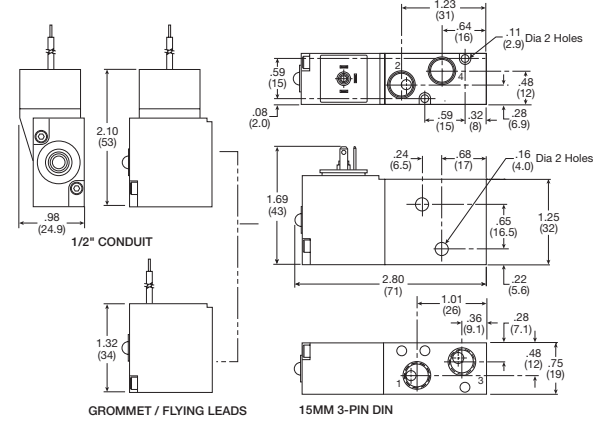
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XM 3-way Inline



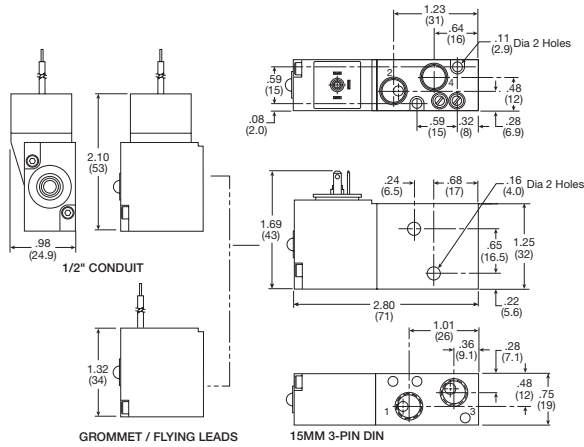
Inches (mm)
 Note: 22 AWG black cross linked polyethylene insulated lead wire.

XM 4-way Inline



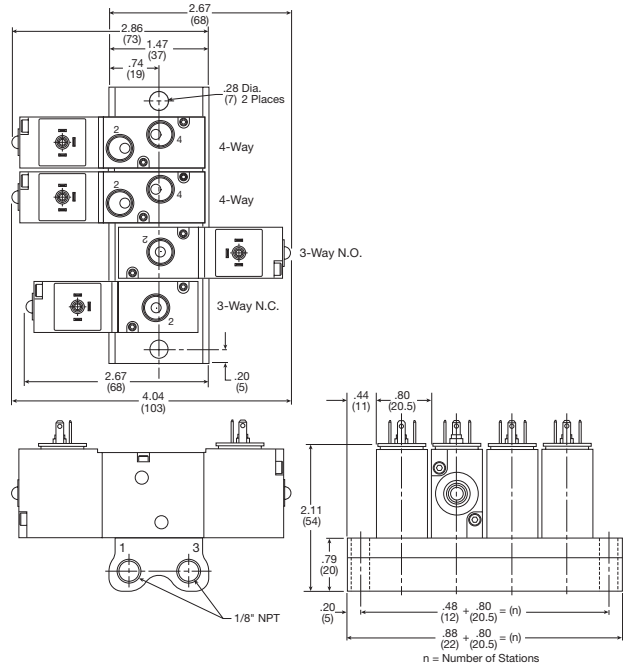
Inches (mm)
 Note: 22 AWG black cross linked polyethylene insulated lead wire.

XM 4-way Inline with Flow Controls

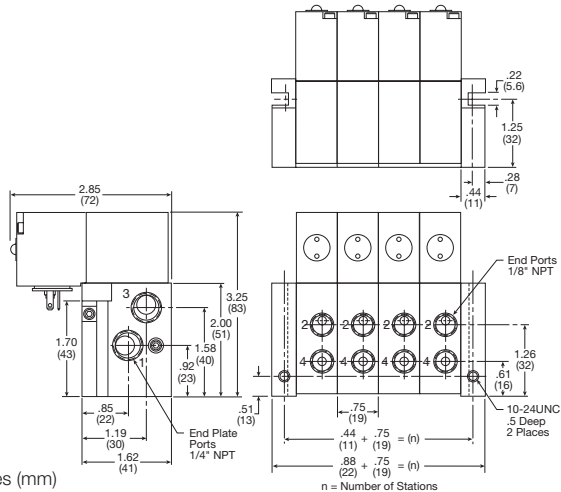


Inches (mm)
 Note: 22 AWG black cross linked polyethylene insulated lead wire.

XM IEM Manifold



XM IEM Subbase



Inches (mm)

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