



“ADEX” Series

Air Control Valves

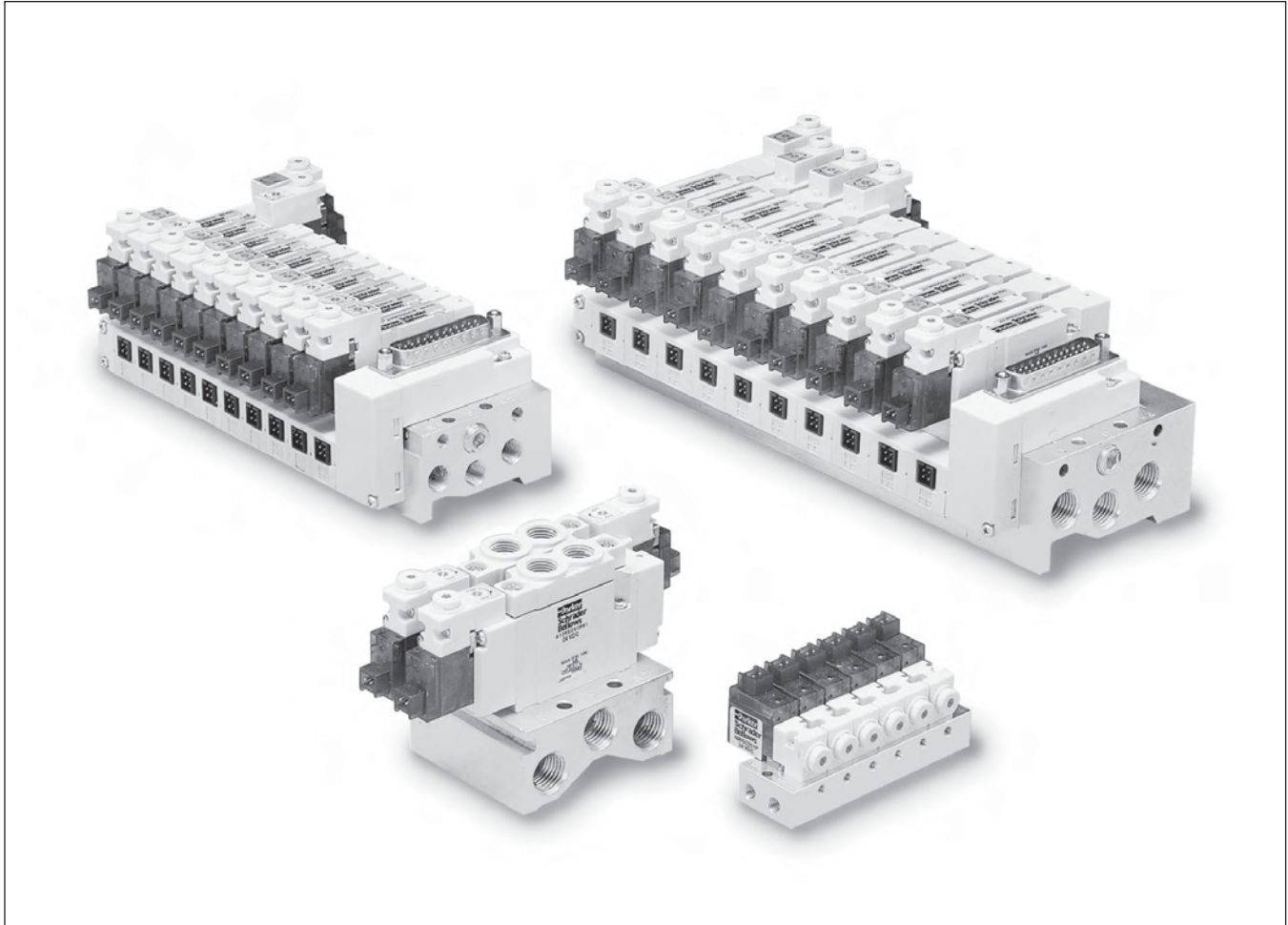
A00 – .01 Cv M3 Port

A05 – .18 Cv M5 Port

A12 – .47 Cv 1/8" Port

Section D

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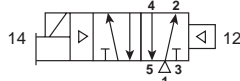
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BOLD ITEMS ARE MOST POPULAR.



Single Solenoid

4-Way, 2-Position

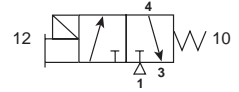


De-energized position – Solenoid operator 14 de-energized.
 Pressure at inlet port 1 connected to outlet port 2.
 Outlet port 4 connected to exhaust port 5.

Energized position – Solenoid operator 14 energized.
 Pressure at inlet port 1 connected to outlet port 4.
 Outlet port 2 connected to exhaust port 3.

Single Solenoid

3-Way, 2-Position NC



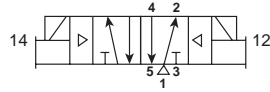
Normally Closed:

De-energized position – Solenoid 12 de-energized.
 Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

Energized position – Solenoid 12 energized.
 Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Double Solenoid

4-Way, 2-Position



Solenoid operator 14 energized last.
 Pressure at inlet port 1 connected to outlet port 4.
 Outlet port 2 connected to exhaust port 3.

Solenoid operator 12 energized last.
 Pressure at inlet port 1 connected to outlet port 2.
 Outlet port 4 connected to exhaust port 5.

Vacuum Applications (Device becomes NO):

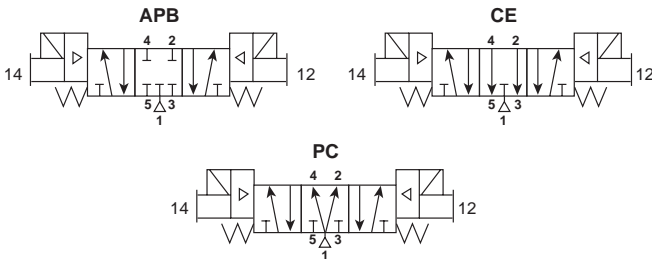
- '1' port is connected to atmosphere or compressed air † when required.
- '2' port is outlet
- '3' port is connected to vacuum

† When both vacuum and compressed air are required, maximum pressure is 85 PSIG (586 kPa).

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Double Solenoid

4-Way, 3-Position



With 12 operator energized – inlet port 1 connected to cylinder port 2, cylinder port 4 connected to exhaust port 5.

With 14 operator energized – inlet port 1 connected to cylinder port 4, cylinder port 2 connected to exhaust port 3.

Function 1: All Ports Blocked (APB)

All ports blocked in the center position.

Function 2: Center Exhaust (CE)

Cylinder ports 4 and 2 connected to exhaust ports 5 and 3 in center position. Port 1 is blocked.

Function 3: Pressure Center (PC)

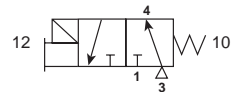
Pressure port 1 connected to cylinder ports 4 and 2, and exhaust ports 5 and 3 blocked in center position.

Dual Pressure (Subbase valves only):

May be used for dual pressure service with pressure at ports 3 & 5. **Specify External Pilot option “X” on Valve AND Manifold.** In the 3-Position valve, the effect of dual pressure is extremely important when the valve is in the center position, as the CE and PC functions are reversed. Therefore, care should be used when selecting a 3-Position valve.

Single Solenoid

3-Way, 2-Position NO*



Normally Open:

De-energized position – Solenoid 12 de-energized.
 Pressure at inlet port 3 connected to outlet port 2, exhaust port 1 is blocked.

Energized position – Solenoid 12 energized. Pressure at inlet port 3 blocked, outlet port 2 connected to exhaust port 1.

* To obtain NO function, ports 1 & 3 are reversed (1 becomes exhaust and 3 becomes supply).

Vacuum Applications (Device becomes NC):

- '1' port is connected to vacuum
- '2' port is outlet
- '3' port is connected to atmosphere or compressed air † when required.

† When both vacuum and compressed air are required, maximum pressure is 58 PSIG (400 kPa).

Caution: Normally Open and Normally Closed 3-Way valve cannot be mixed on the same manifold.

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“A00” Valve

“A05” Valve

“A12” Valve

Flow Ratings*

- A00: .02 Cv
- A05: .18 Cv
- A12: .47 Cv

Operating Pressure

- Vacuum to 100 PSIG*
- A00S (NO) vacuum to 70 PSIG

Ports

- A00: M3
- A05: M5
- A12: 1/8 Inch

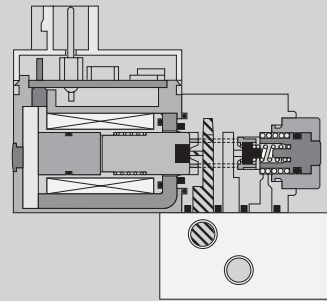
Mounting

- Inline
- Subbase Mount

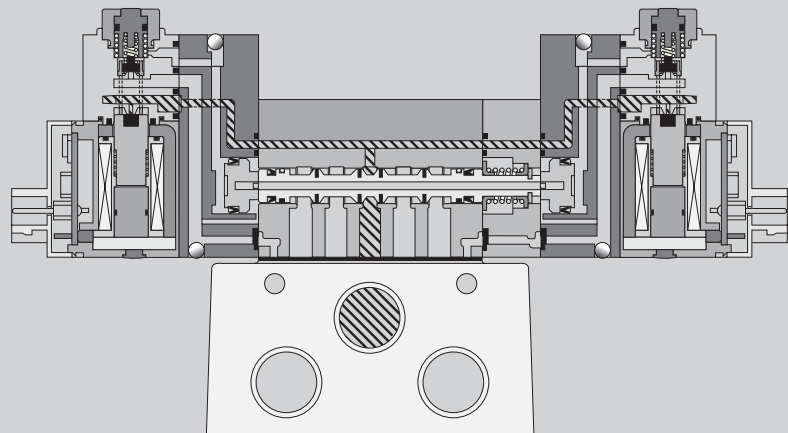
Solenoids

- 0.6 Watt
- 5VDC, 12VDC, 24VDC and 110/120VAC
- LED and Surge Suppression

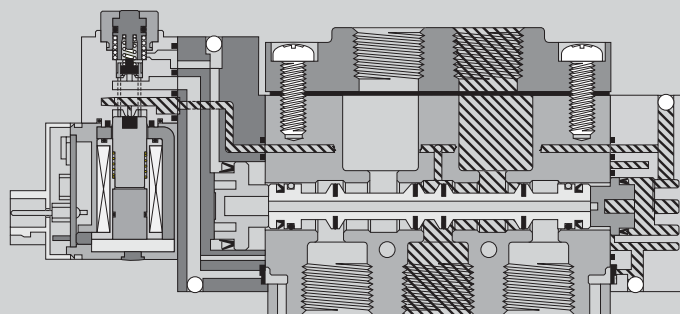
* See catalog technical section for more information.





A00S Single Solenoid Normally Closed (NC)



A05P Double Solenoid 3-Position Subbase Mounted



A12R Single Solenoid Inline

 Pressure  Exhaust

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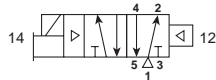
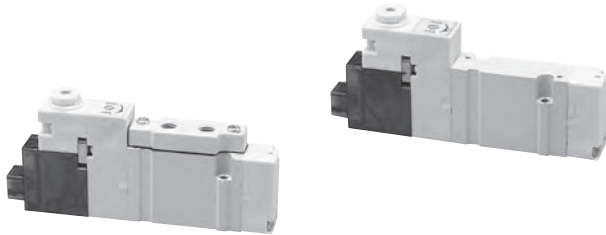
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Single Solenoid

4-Way, 2-Position



Inline

A05	A05RS251PM5MF	24VDC	M5	.17 Cv
	A05RS252PM5MF	12VDC		
A12	A12RS251PN1MF	24VDC	1/8"	.47 Cv
	A12RS252PN1MF	12VDC		

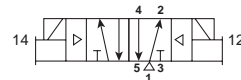
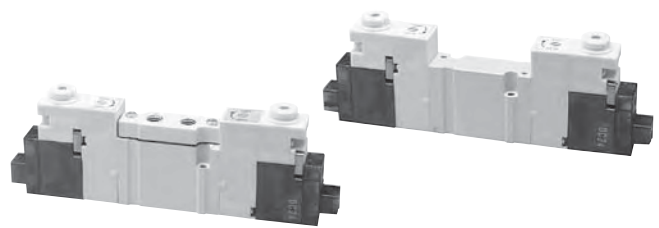
Subbase

A05	A05PS251P	24VDC	Less Base	.18 Cv
	A05PS252P	12VDC		
A12	A12PS251P	24VDC	Less Base	.44 Cv
	A12PS252P	12VDC		

Note: Wired electrical connectors sold separately.
See Accessory Section.

Double Solenoid

4-Way, 2-Position



Inline

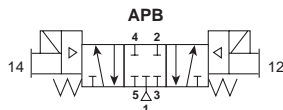
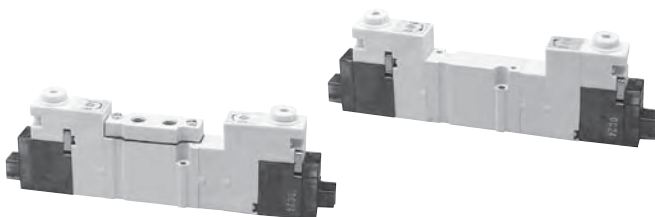
A05	A05RD251PM5MF	24VDC	M5	.17 Cv
	A05RD252PM5MF	12VDC		
A12	A12RD251PN1MF	24VDC	1/8"	.47 Cv
	A12RD252PN1MF	12VDC		

Subbase

A05	A05PD251P	24VDC	M5	.18 Cv
	A05PD252P	12VDC		
A12	A12PD251P	24VDC	1/8"	.44 Cv
	A12PD252P	12VDC		

Double Solenoid

4-Way, 3-Position, APB



Inline

A05	A05RD351PM5MF	24VDC	M5	.16 Cv
	A05RD352PM5MF	12VDC		
A12	A12RD351PN1MF	24VDC	1/8"	.43 Cv
	A12RD352PN1MF	12VDC		

Subbase

A05	A05PD351P	24VDC	Less Base	.16 Cv
	A05PD352P	12VDC		
A12	A12PD351P	24VDC	Less Base	.40 Cv
	A12PD352P	12VDC		

ANSI Cv vs. JIS Cv

For Pneumatic Valve flow, the measurement **Cv** – Coefficient of Flow – is used to convey to the user how much air can flow through a given valve. Most valve manufacturers publish this information in their catalogs to assist the user in choosing the proper valve for their application. In publishing this data however, there are discrepancies in how the **Cv** is calculated, resulting in some **Cv**'s being **OVERSTATED** by **20 to 40%**. This can adversely affect the user's application because the valve flows **LESS** than the published **Cv**.

The reason for the large discrepancy is in the method of calculation - the ANSI (NFPA) or the JIS standard.

Parker's **Cv** valve is calculated using the ANSI (NFPA) T3.21.3-1990 standard. The ANSI (NFPA) method is a structured test using very specific tube sizes and lengths, inlet pressures and pressure drops, and volume chambers.

Locking Flush Override. Mounting screws and gaskets included with valve.

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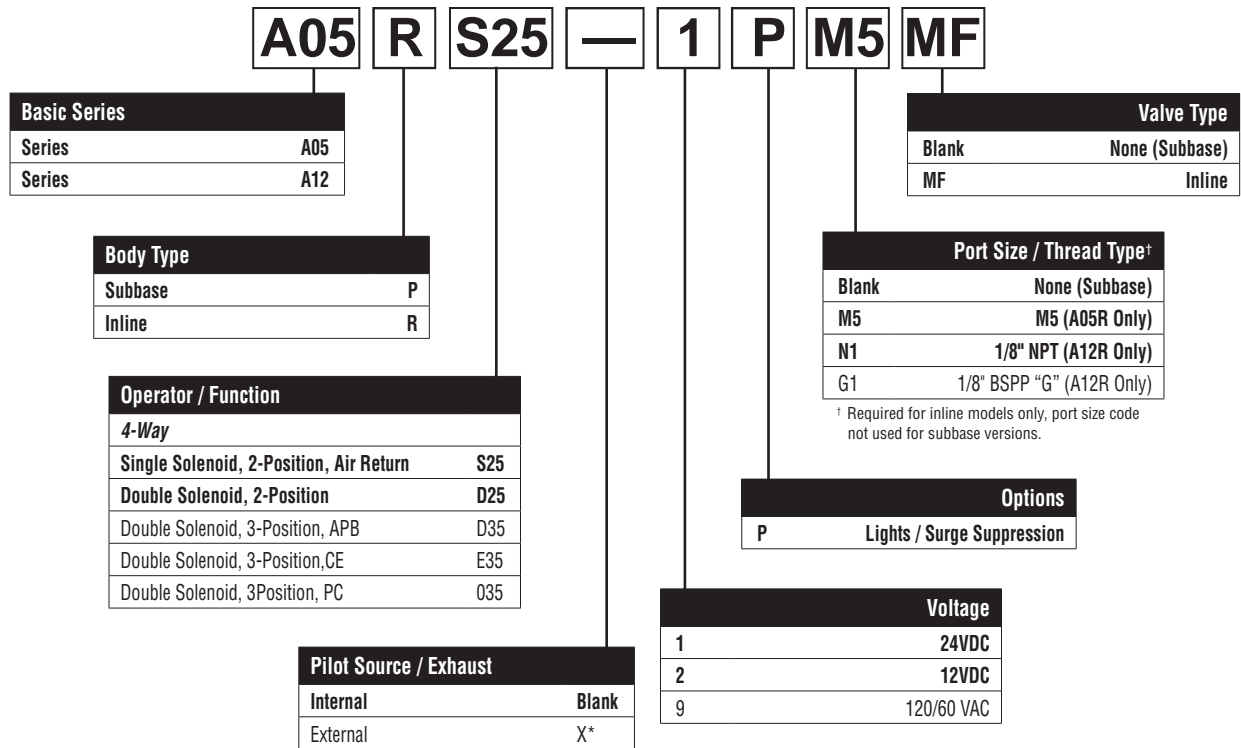
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**Valve Only – Single Solenoid
 3-Way, 2-Position***



A00SC231P Shown

* Screwdriver-Operated, Locking Manual Override (LMOR).

A00S	C23	—	1	P
Function Single Solenoid Normally Open 023 Single Solenoid Normally Closed C23		Connector Position With Indicator Light & Surge Suppression P		Voltage 1 24VDC 2 12VDC 4* 5VDC 8* 110/50 VAC 9 120/60 VAC
Flow Standard Type Blank Large Flow Type J		* Special Order		

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Subbase



A00SBM3 Shown

Model Number	All Ports
A00 A00SBM3	M3

Mounting screws and gaskets included with valve.

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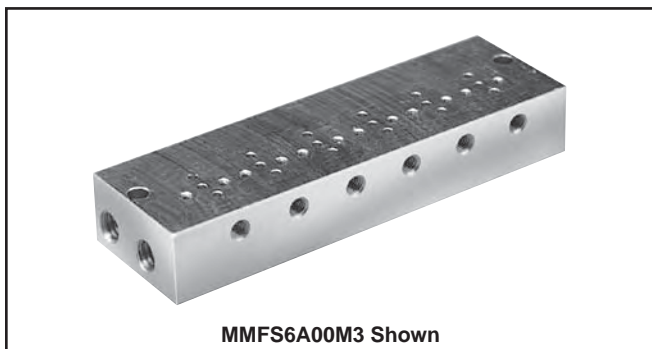
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Manifold*



MMFS6A00M3 Shown

* Normally Closed valves (A00SC23•P) and Normally Open valves (A00S023•P) cannot be mounted on the same manifold simultaneously.
 Mounting screws and gaskets included with valve.

MMFS	2	A00	M5
Number of Stations 2 Stations 2 3 Stations 3 4 Stations 4 • • • • 20 Stations 20		Port Size M3 M5	

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Common Part Numbers

**“ADEX” Series Valves
IEM Bar Manifold**

“A05” Valve



MMFU10A05F Shown

4-Way, NPTF (Individual Wiring Type)	MMFU##A05F
4-Way, NPTF (Collective Wiring Type)	MMCU##A05F

– stations 2 to 20
– stations 2 to 12
(Even numbers only)

“A12” Valve



MMFU10A12F Shown

4-Way, NPTF (Individual Wiring Type)	MMFU##A12F
4-Way, NPTF (Collective Wiring Type)	MMCU##A12F

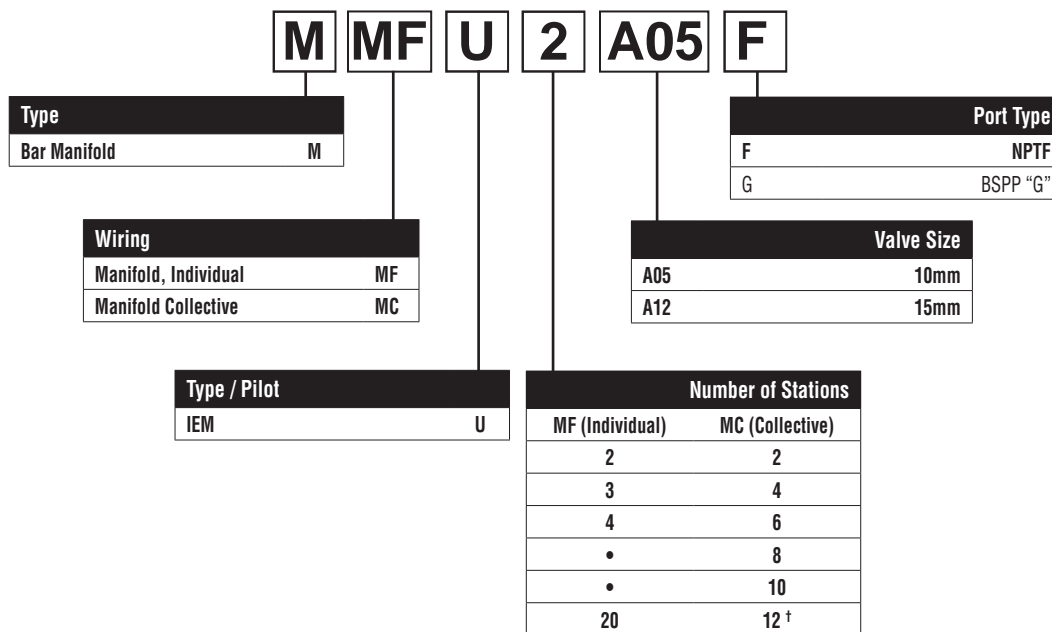
– stations 2 to 20
– stations 2 to 12
(Even numbers only)

- Utilizes Inline mount ADEX valves.
- Bolts and Gaskets are included with valve.
- A05 Collective Wiring Type Manifold Kits also include an Adapter Plate for use with the MCS Module.

Pilot Exhaust for IEM Manifold –
is captured through the “3” and “5” galley.

Model Number

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[†] Maximum of 12 stations available for “MC” Type. (Even # stations only.)

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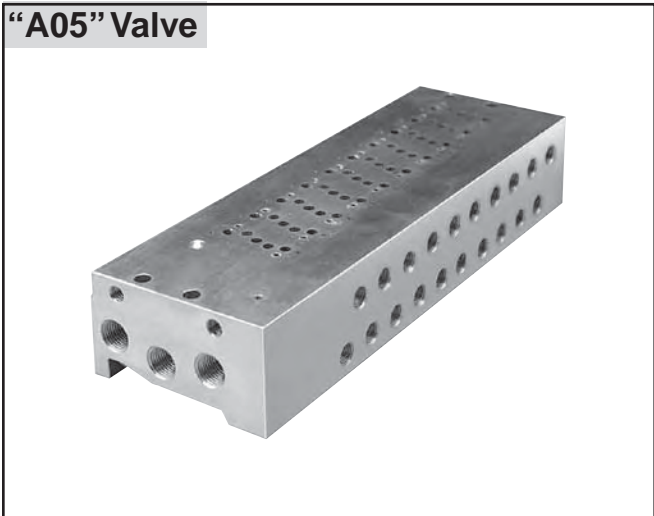
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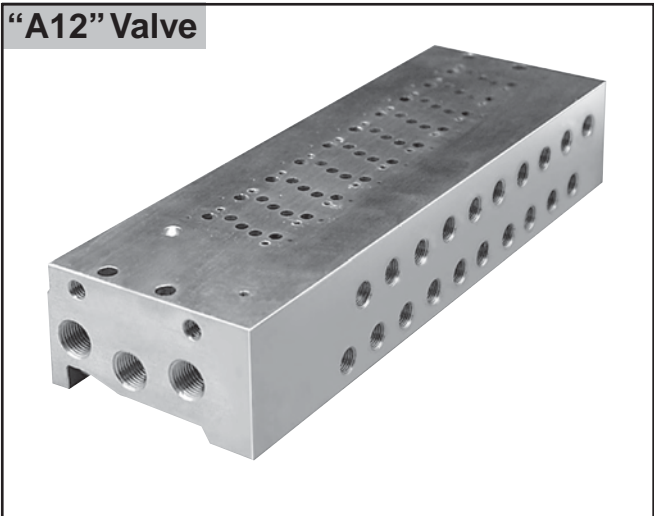
"A05" Valve



4-Way, M5 (Individual Wiring Type)	MMFS##A05FM5
4-Way, M5 (Collective Wiring Type)	MMCS##A05FM5

– stations 2 to 20
 ## – stations 2 to 12
 (Even numbers only)

"A12" Valve



4-Way, 1/8" NPTF (Individual Wiring Type)	MMFS##A12FF1
4-Way, 1/8" NPTF (Collective Wiring Type)	MMCS##A12FF1

– stations 2 to 20
 ## – stations 2 to 12
 (Even numbers only)

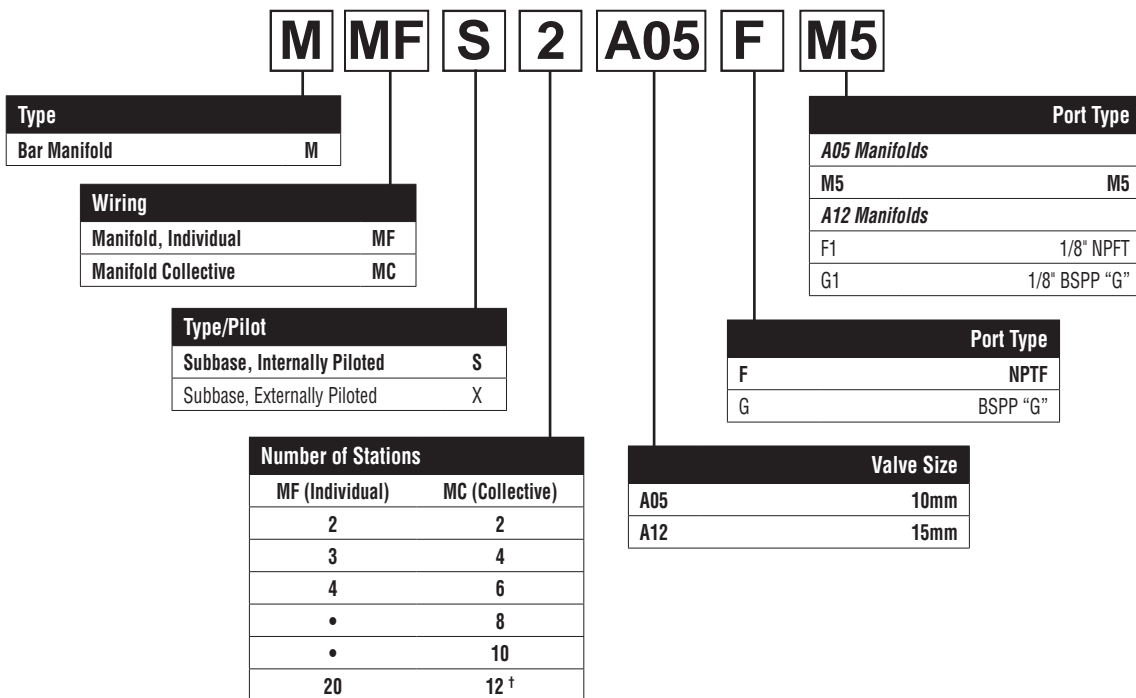
- Utilizes Subbase mount ADEX valves.
- Bolts and Gaskets are included with valve.

Internally Piloted Manifolds –
 Pilot exhaust is captured through the "3" and "5" galley.

Externally Pilot Manifold –
 Pilot exhaust is captured through the "Y" galley.

Model Number

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[†] Maximum of 12 stations available for "MC" Type. (Even # stations only.)

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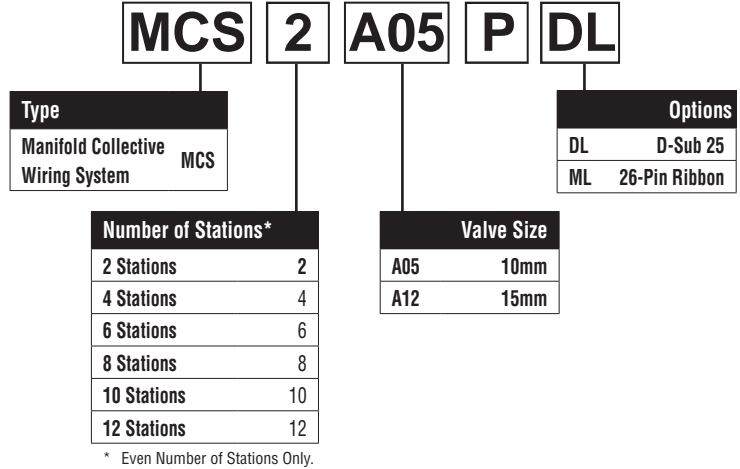
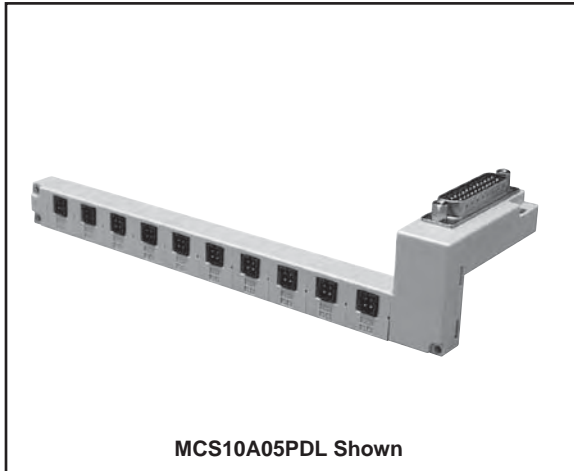
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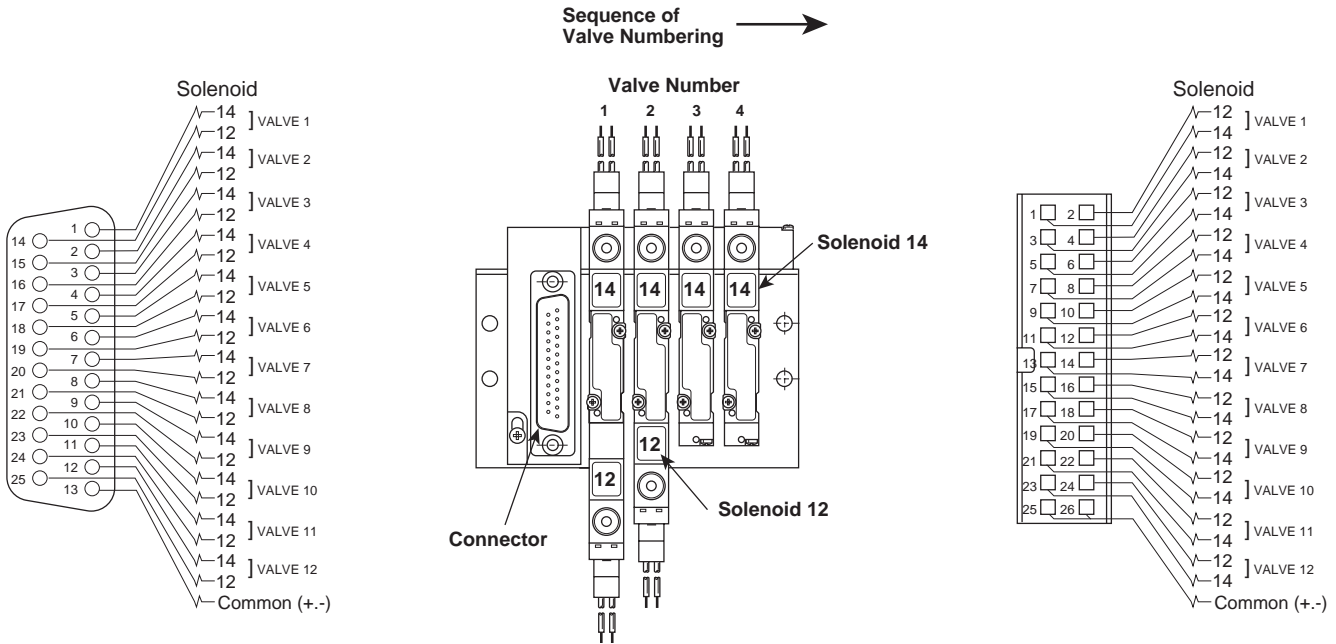
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Collective Wiring



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Collective Wiring Pin Mapping (Not Available for AC Voltages)



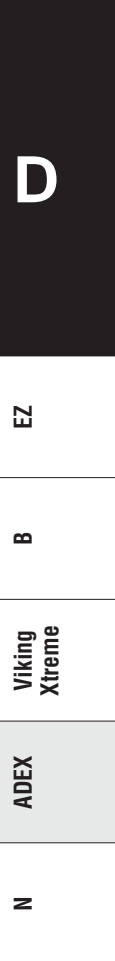
Pin Map for D-Sub 25 Connector

Valve and Solenoid Addresses

Pin Map for 26-Pin Ribbon Connector

Notes:

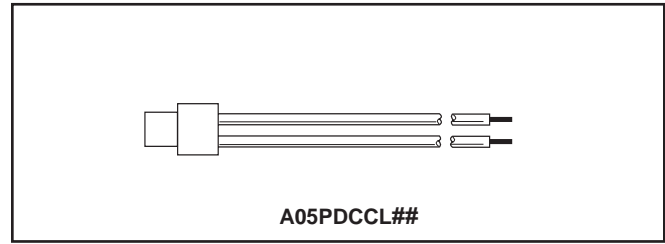
- The MCS Collective Wiring System is "Polarity Neutral". Polarity is addressed with the Collective Wired Connectors (page D108).
Example: When 'positive' common is used, an A05 single solenoid valve uses an A05PSCC. When 'negative' common is used, use A05PSCCM.
- The MCS Collective Wiring System provides for both the "14" and "12" addresses at each valve location. When single solenoid valves are used, skip the "12" address for both wiring and controller programming.
- Be sure that the leakage current of the controller outputs is less than 1.5 ma.



Individual Wired Connectors

P / R Type

Size	Voltage	Length	Part Number
A00	DC	.5 meter	A05PDCCL5
A05		1 meter	A05PDCCL10
A12		3 meter	A05PDCCL30
A12	AC	.5 meter	A05PACCL5
		1 meter	A05PACCL10



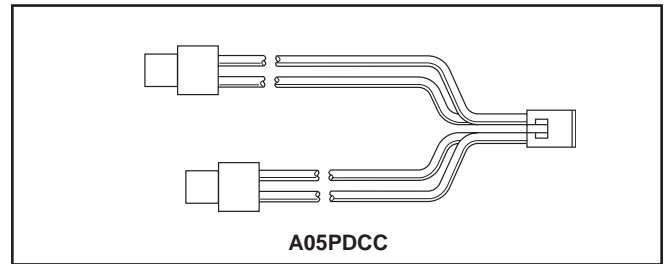
DC Voltage: Positive “+” (Red Wire)
 Negative “-” (Black Wire)
 AC Voltage: Both Wires are Blue (Polarity Neutral)

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Collective Wired Connectors

P / R Type

Size		Part Number	
		PNP	NPN
A05	Single	A05PSCCM	A05PSCC
A12	Double	A05PDCCM	A05PDCC



PNP = SOURCING = “Negative Common” = Yellow Wires
 NPN = SINKING = “Positive Common” = Red Wires

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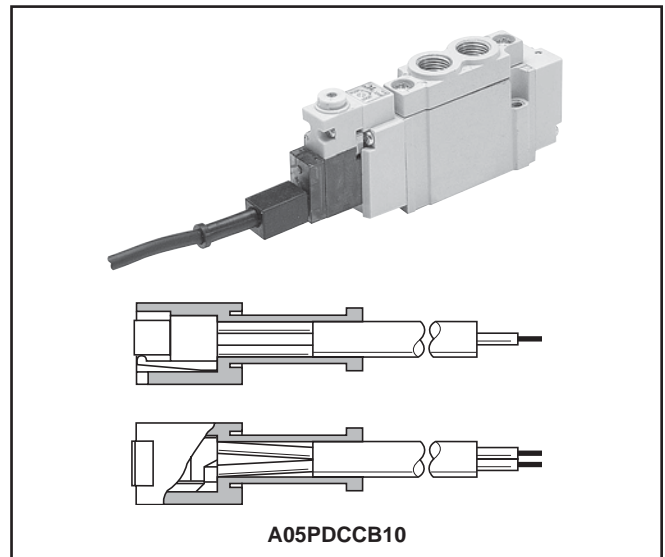
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**Wired Connectors with
Protective Cover - P / R Type**

Size	Length	Part Number
A00	1 meter	A05PDCCB10
A05		
A12		

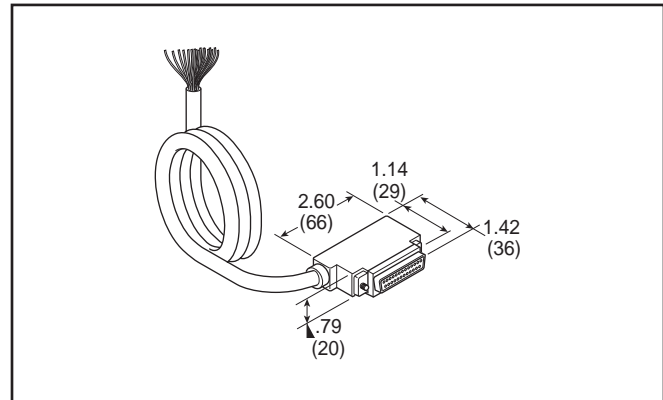
The cover is made of chloroprene rubber for electrical use, assuring excellent weather and insulation resistance. However, be careful not to place it under splash of cutting oil.



Cable with Female D-Sub, 25-Pin Connector

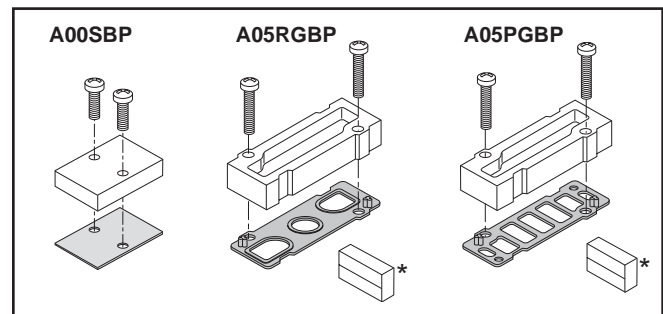
Part Number	Description
DSS25FB1K	25-Pin, D-Sub Cable, 1 meter (3.3 ft.)

Note: For use with ADEX MCS system only.
Connection to control system is through 25 colored wires AWG 24. Includes (2) M2.5 mm screws.



Blanking Plate

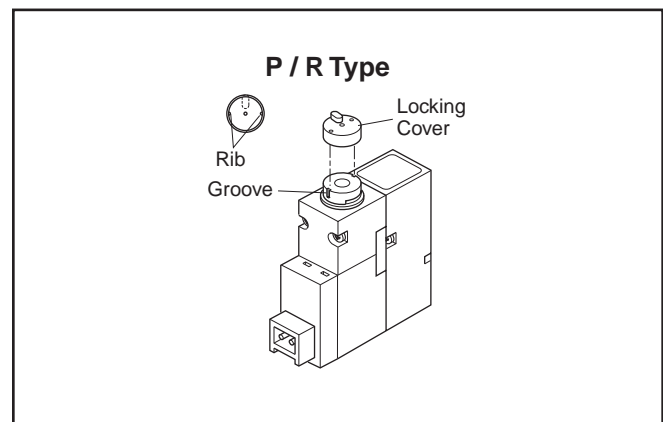
Size	Type	Part Number
A00	Subbase	A00SBP
A05	Body Ported	A05RGBP
	Subbase	A05PGBP
A12	Body Ported	A12RGBP
	Subbase	A12PGBP



* Outlet Pin Cover used with Collective Wiring System only.

Extended Override Cover

Size	Orange: For 14 Side Solenoid	Green: For 12 Side Solenoid
A00	A05PLA	A05PLB
A05		
A12		



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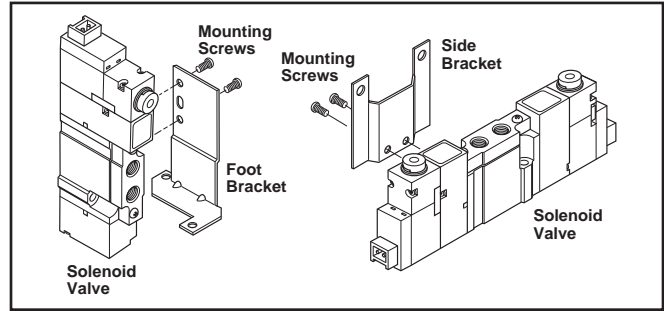
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Mounting Bracket

Size	Type	Part Number
A05	Side	A05RBS
	Foot	A05RBF
A12	Side	A12RBS
	Foot	A12RBF

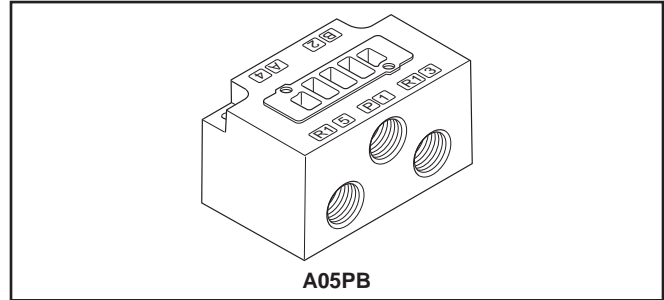
Kit Includes: (1) Bracket, (2) Screws



Subbases

Size	Port Size	Part Number
A05	1/8" NPT	A05PBN1
	1/8" BSPP "G"	A05PBG1
A12	1/4" NPT	A12PBN2
	1/4" BSPP "G"	A12PBG2

Kit Includes: (1) Subbase (Holddown Bolts and Gasket are included with valve)



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Individual Air Supply Spacer

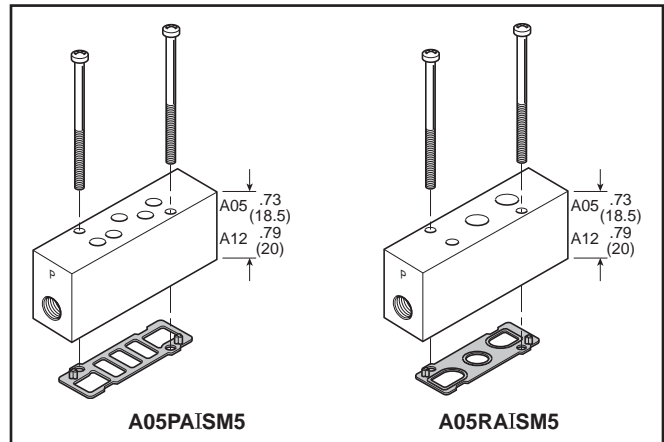
Mounts between valve and manifold. Supply from the manifold is blocked and only the valve mounted on the spacer receives the individual supply.

Size	Type	Port Size	Internal Pilot Part Number	External Pilot* Part Number
A05	Inline	M5	A05RAISM5	A05RAXISM5
	Subbase	M5	A05PAISM5	A05PAXISM5
A12	Inline	1/8" NPT	A12RAISN1	A12RAXISN1
	Subbase	1/8" NPT	A12PAISN1	A12PAXISN1

Can only be used on Collective wiring type manifolds.

* Can only be used with External Piloted valve. External pilot is located on the X Port of the manifold

Kit Includes: (1) Spacer, (2) Screws, and (1) Gasket



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Individual Air Exhaust Spacer

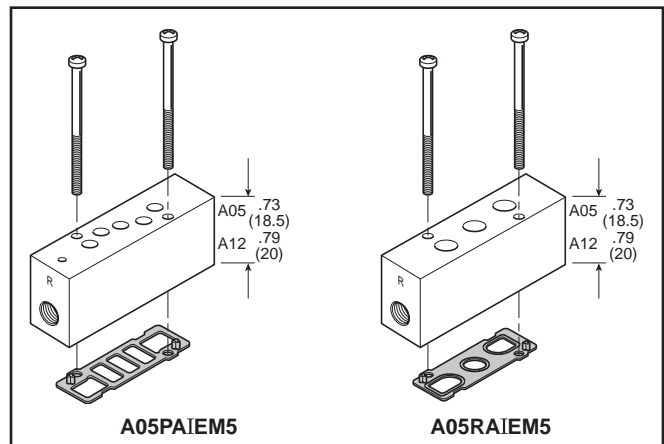
Mounts between valve and manifold. Exhaust from the manifold is blocked and only the valve mounted on the spacer has the individual exhaust.

Size	Type	Port Size	Internal Pilot Part Number	External Pilot* Part Number
A05	Inline	M5	A05RAIEM5	A05RAXIEM5
	Subbase	M5	A05PAIEM5	A05PAXIEM5
A12	Inline	1/8" NPT	A12RAIEN1	A12RAXIEN1
	Subbase	1/8" NPT	A12PAIEN1	A12PAXIEN1

Can only be used on Collective wiring type manifolds.

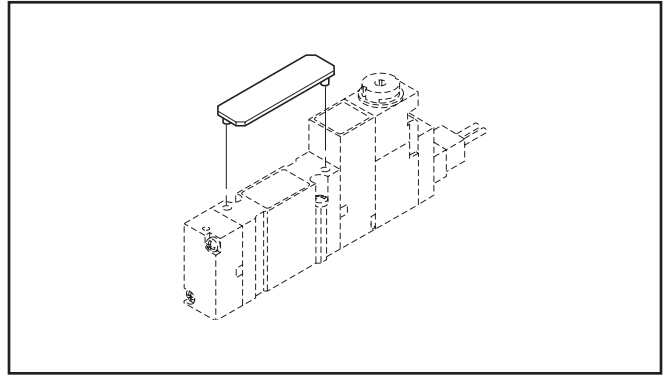
* Can only be used with External Piloted valve. External pilot is located on the X Port of the manifold

Kit Includes: (1) Spacer, (2) Screws, and (1) Gasket



Labeling Tag

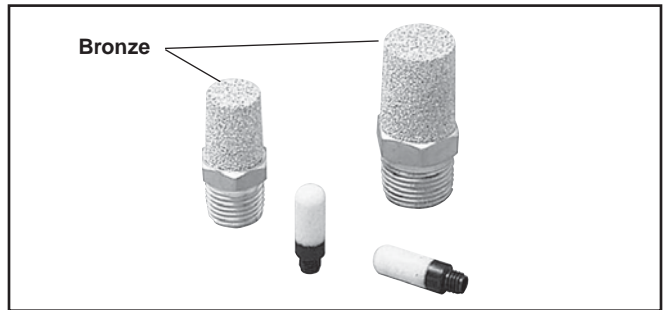
Size	Description	Part Number
A05	White Label Tag	A05PN
A12		



Exhaust Mufflers

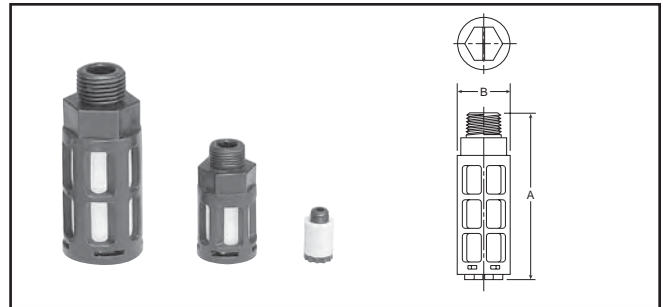
Male Thread	Model Number
M5	P6M-PAC5
1/8" NPT	EM12
1/4" NPT	EM25

P6M - Plastic; EM - Sintered Bronze



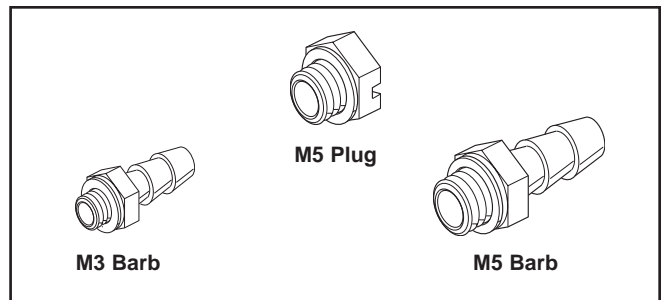
Plastic Silencers

Thread Size	Part Number		A (mm)	B (mm)
	NPT	BSPT "R"		
M5	AS-5		.43 (11)	.32 (8)
1/8"	ASN-6	AS-6	1.57 (40)	.63 (16)
1/4"	ASN-8	AS-8	2.56 (65)	.83 (21)



M3 & M5 Fittings

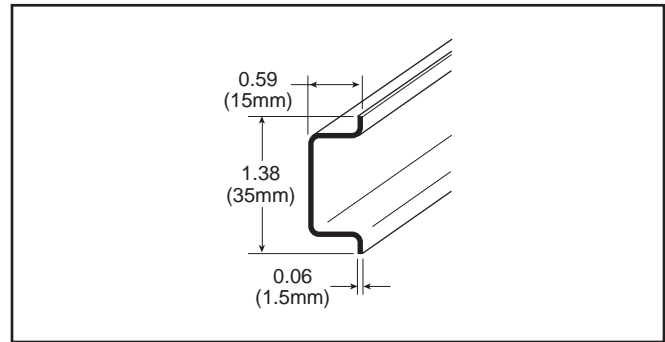
Description	Part Number
M5 Plug Fitting	N220-1900J
M3 to 3mm Barb	BC03M3
M3 to 4mm Barb	BC04M3
M5 to 3mm Barb	BC03M5



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DIN Rail

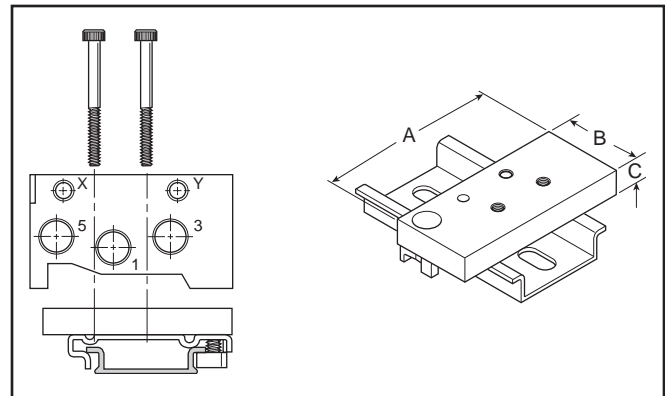
Part Number	Description
AM1DE200	6 Foot Rail Length



DIN Rail Hardware Kit

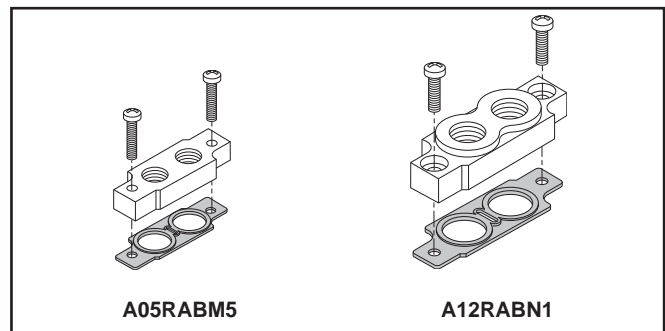
Size	Type	Part Number	Dimensions		
			A	B	C
A05	IEM	MFUA05DB	2.24	1.00	.31
	Subbase	MFSA05DB	(57)	(25)	(8)
A12	IEM	MFUA12DB	2.91	1.00	.39
	Subbase	MFSA12DB	(74)	(25)	(10)

Kit includes: (2) Screws, (2) Clamps



**Replacement Kits
Cylinder Port Plate Kits**

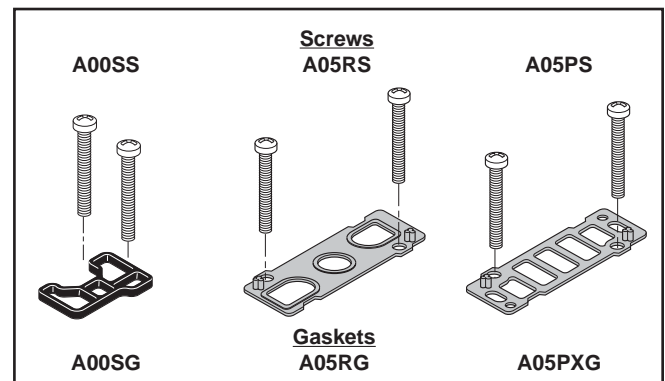
Size	Fitting	Part Number
A05	M5	A05RABM5
A12	1/8" NPT	A12RABN1
	1/8" BSPP "G"	A12RABG1



Base Gasket Kits

Size	Type	Gasket Only	Screw
A00	Subbase	A00SG	A00SS
A05	Body Ported	A05RG	A05RS
	Subbase Int.	A05PG	A05PS
	Subbase Ext.	A05PXG	A05PS
A12	Body Ported	A12RG	A12RS
	Subbase Int.	A12PG	A12PS
	Subbase Ext.	A12PXG	A12PS

These are spare parts, mounting screws and gaskets included with valves.



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Flow Rating (Cv)

Size	Port Size	Mounting Style	ANSI / (NFPA)		JIS Method	
			2-Position	3-Position	2-Position	3-Position
A00	M3	Subbase	.010	—	—	—
	M5	Subbase	.017	—	—	—
A00****J	M5	Subbase	.020	—	—	—
A05	M5	Inline	.18	.16	.22	.20
	M5	Subbase	.17	.16	.32	.32
A12	1/8" Ports	Inline	.47	.43	.48	.46
	1/8" Ports	Subbase	.44	.40	.61	.42

ANSI / (NFPA) T3.21.3-1990 standard for Cv measurement.

Response Time

Valve Size	Port Size	0 Cu. In. Test Chamber	
		Fill	Exhaust
2-Position Single Solenoid / Air Return			
A00	M3	.004	.006
A05	M5	.014	.025
A12	1/8"	.016	.030
2-Position Double Solenoid			
A00	M3	—	—
A05	M5	.011	.015
A12	1/8"	.010	.012
3-Position Double Solenoid			
A00	M3	—	—
A05	M5	.013	.017
A12	1/8"	.013	.014

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 24VDC solenoid. Times shown are average.

Tested per ANSI / (NFPA) T3.21.8.

Temperature Rating

Intermittent Duty (AC & DC Voltage):

32°F to 122°F (0°C to 50°C)
 Voltage Rated +10 / -10%

Continuous Duty (DC Voltage Only):

32°F to 104°F (0°C to 40°C)
 Voltage Rated +0 / -10%

Operating Pressure

Maximum: **4-Way:** 100 PSIG (690 kPa)
3-Way: 100 PSIG (690 kPa) NC*
 70 PSIG (483 kPa) NO*

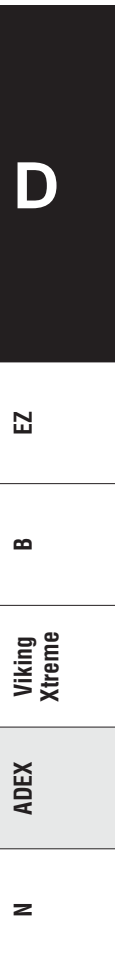
Minimum:

Description	Internal Pilot		External Pilot	
	PSIG	kPa	PSIG	kPa
4-Way	Single Solenoid	22	152	Vacuum
				36
	Double Solenoid – 2-Position	15	104	Vacuum
3-Way	A00 Series	30	207	Vacuum
				36

* When using vacuum and pressure on ports 1 & 3 – 85 PSIG (586 kPa) NC; 58 PSIG (400 kPa) NO (see page D100).

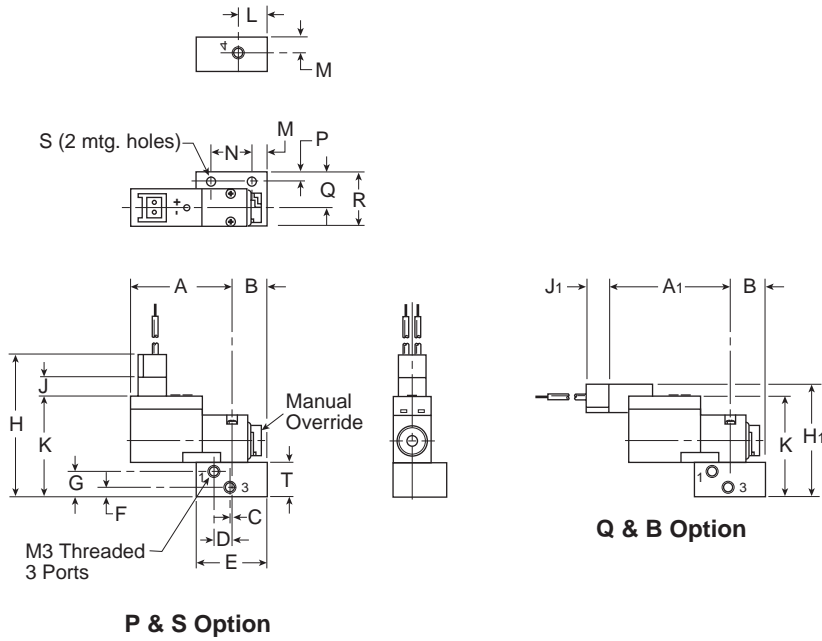
Solenoid Information

Power Consumption	Standard			
			With Indicator Light & Surge Suppressor	
	DC	W	0.6	
	AC	100V	VA	1.2
		110V	VA	1.4
	High Flow			
		With Indicator Light & Surge Suppressor		
DC	W	0.91		
AC	100V	VA	—	
	110V	VA	—	



A00

Subbase



A00 - Subbase

A 1.00 (25)	A₁ 1.18 (30)	B .41 (11)	C .015 (.4)	D .17 (4)
E .79 (20)	F .12 (3)	G .28 (7)	H 1.54 (39)	H₁ 1.38 (34)
J .24 (6)	J₁ .20 (5)	K 1.11 (28)	L .32 (8)	M .18 (5)
N .47 (12)	P .10 (3)	Q .39 (10)	R .59 (15)	S .106 (2.7)
T .38 (10)				

Inches (mm)

D

EZ

B

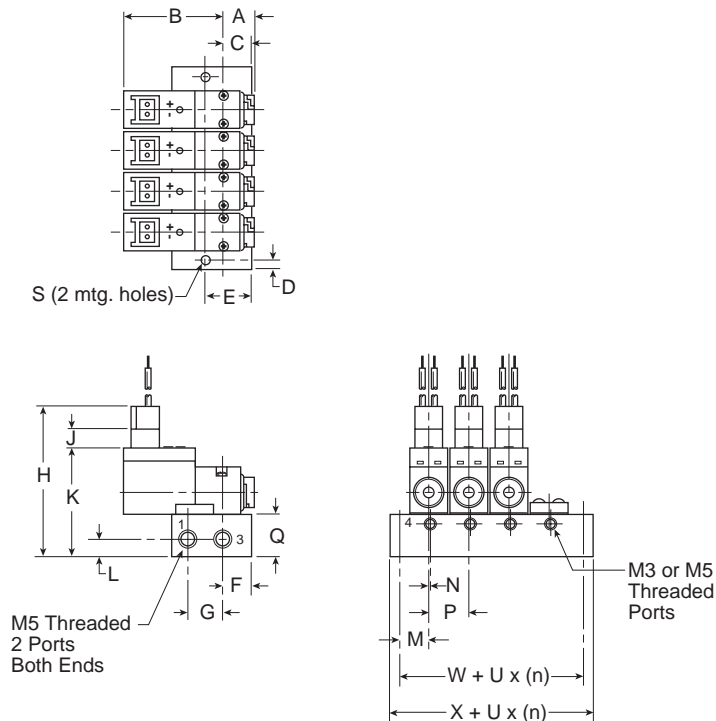
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A00

Manifold



A00 - Manifold

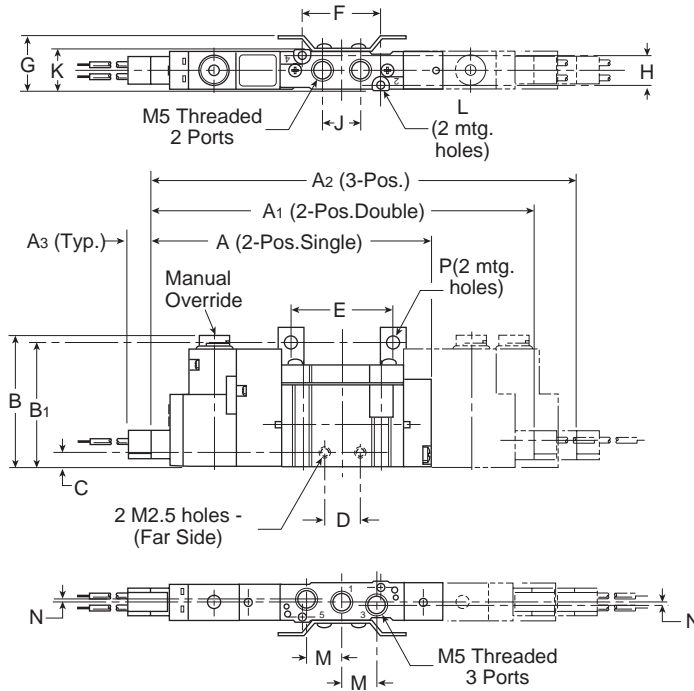
A .36 (9)	B 1.00 (25)	C .31 (8)	D .10 (3)	E .51 (13)
F .31 (8)	G .39 (10)	H 1.63 (42)	J .20 (5)	K 1.22 (31)
L .20 (5)	M .33 (9)	N .02 (.6)	P .41 (10.5)	Q .47 (12)
S .125 (3.2)	U .41 (10.5)	X .45 (11.5)	W .26 (6.5)	

Inches (mm)

n = Number of stations.

A05

Single & Double Operators – Inline



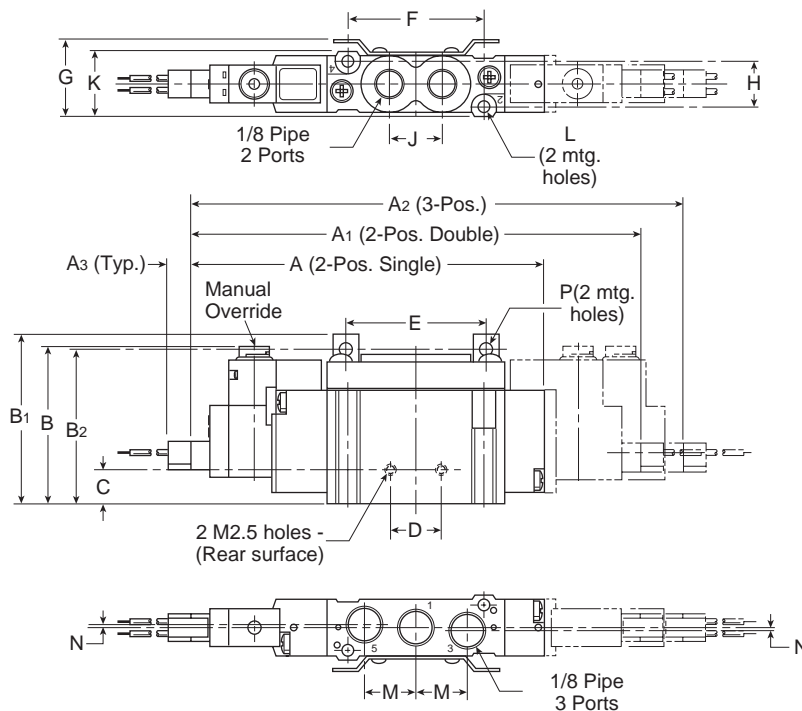
A05R – Inline

A 2.91 (74)	A₁ 3.94 (100)	A₂ 4.25 (108)	A₃ .24 (6)	B 1.38 (35)
B₁ 1.30 (33)	C .16 (4)	D .38 (10)	E 1.06 (27)	F .83 (21)
G .57 (15)	H .33 (9)	J .40 (10)	K .45 (11.4)	L Ø .08 Ø (2.1)
M .37 (10)	N .04 (1)	P Ø .14 Ø (3.5)		

Inches (mm)

A12

Single & Double Operators – Inline



A12R – Inline

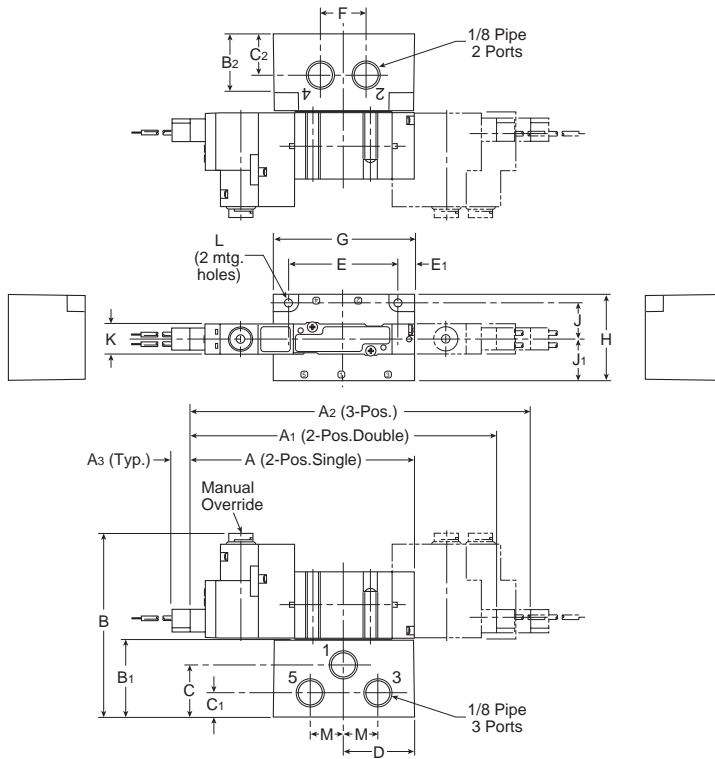
A 3.68 (94)	A₁ 4.69 (119)	A₂ 5.12 (130)	A₃ .24 (6)	B 1.64 (42)
B₁ 1.77 (45)	B₂ 1.70 (43)	C .35 (9)	D .51 (13)	E 1.46 (37)
F 1.42 (36)	G .80 (20)	H .47 (12)	J .55 (14)	K .68 (17)
L Ø .12 Ø (3.1)	M .55 (14)	N .03 (0.8)	P Ø .14 Ø (3.5)	

Inches (mm)

D
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 Viking Xtreme
 ADEX
 N

A05

Single & Double Operators – Subbase



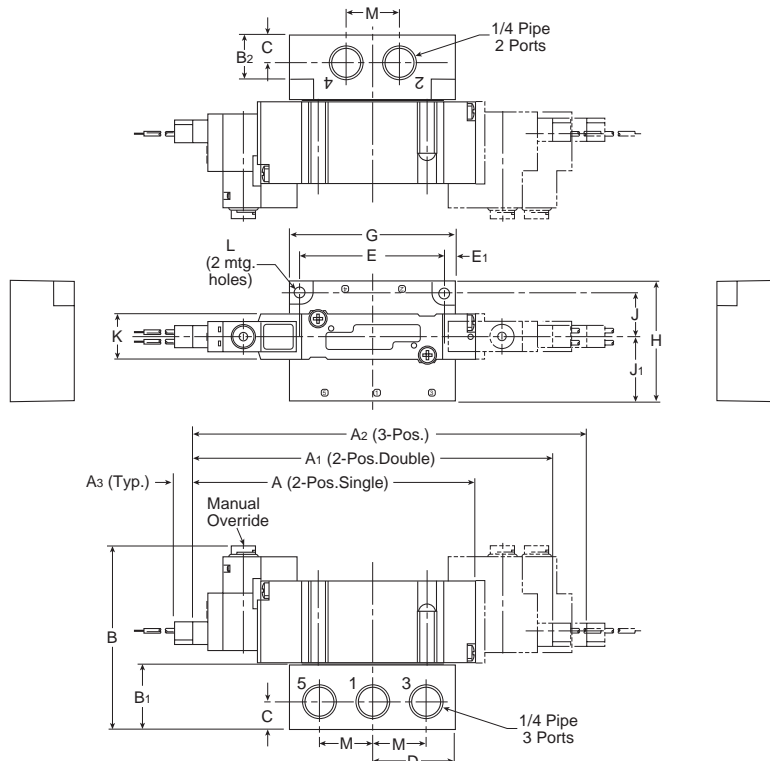
A05P – Subbase

A 2.91 (74)	A₁ 3.94 (100)	A₂ 4.25 (108)	A₃ .24 (6)	B 2.35 (60)
B₁ .96 (25)	B₂ .75 (19)	C .65 (17)	C₁ .30 (8)	C₂ .53 (14)
D .89 (23)	E 1.38 (35)	E₁ .20 (5)	F .57 (15)	G 1.77 (45)
H .08 (28)	J .45 (11.5)	J₁ .51 (13)	K .39 (10)	L Ø .13 Ø (3.2)
M .45 (12)				

Inches (mm)

A12

Single & Double Operators – Subbase



A12P – Subbase

A 3.68 (94)	A₁ 4.69 (119)	A₂ 5.12 (130)	A₃ .24 (6)	B 2.41 (61)
B₁ .87 (22)	B₂ .75 (19)	C .37 (10)	D 1.10 (28)	E 1.89 (48)
E₁ .16 (4)	G 2.20 (56)	H 1.59 (41)	J .57 (14.5)	J₁ .87 (22)
K .59 (15)	L Ø .17 Ø (4.3)	M .71 (18)		

Inches (mm)

D

EZ

B

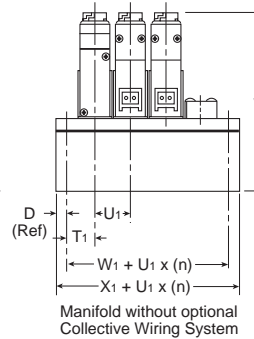
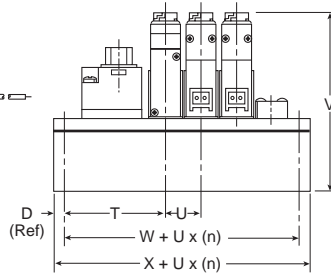
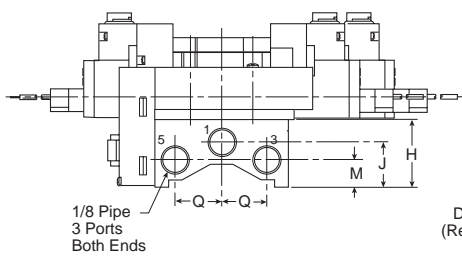
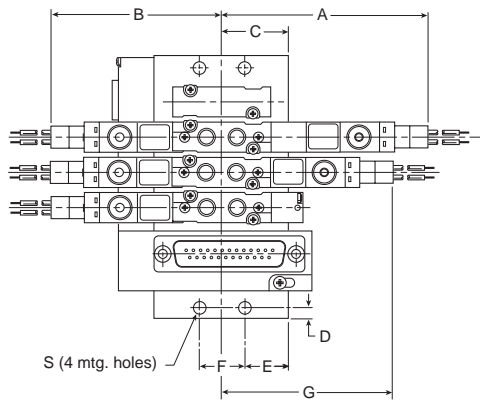
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A05

Manifold – Valve Inline



A05R - Manifold, Valve Inline

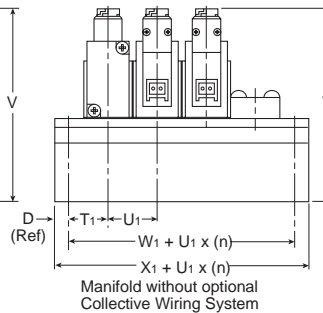
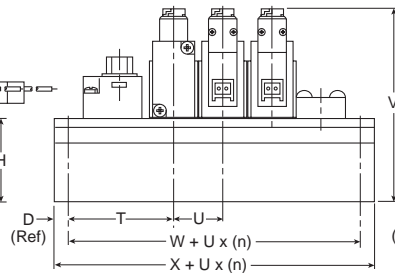
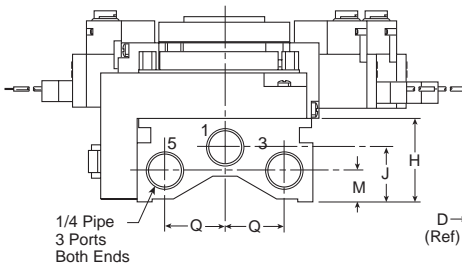
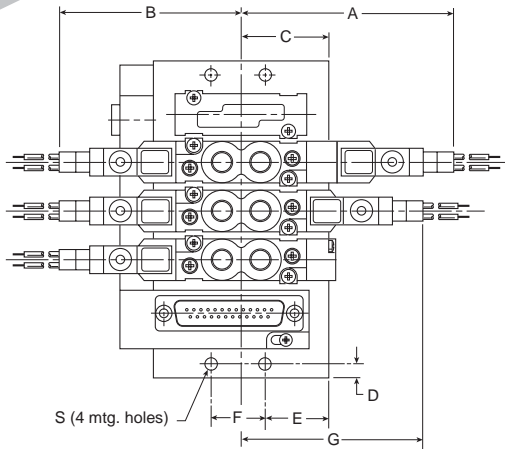
A 2.52 (64)	B 2.21 (56)	C .94 (24)	D .16 (4)	E .61 (16)	F .63 (16)
G 2.21 (56)	H .94 (24)	J .61 (16)	M .37 (10)	Q .63 (16)	S Ø .18 Ø (4.5)
T 1.34 (34)	T₁ .51 (13)	U .49 (12.5)	U₁ .41 (10.5)	V 2.32 (59)	W 1.36 (35)
W₁ .37 (9.5)	X 167 (43)	X₁ .68 (17.5)			

Inches (mm)

n = Number of stations.

A12

Manifold – Valve Inline



A12R - Manifold, Valve Inline

A 3.01 (77)	B 2.58 (66)	C 1.14 (29)	D .20 (5)	E .76 (19)	F .77 (19.6)
G 2.58 (66)	H 1.08 (28)	J .71 (18)	M .41 (11)	Q .77 (20)	S Ø .18 Ø (4.5)
T 1.48 (38)	T₁ .51 (13)	U .69 (17.5)	U₁ .63 (16)	V 2.74 (70)	W 1.34 (34)
W₁ .39 (10)	X 1.73 (44)	X₁ .79 (20)			

Inches (mm)

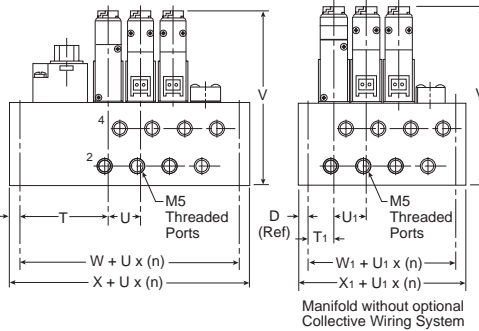
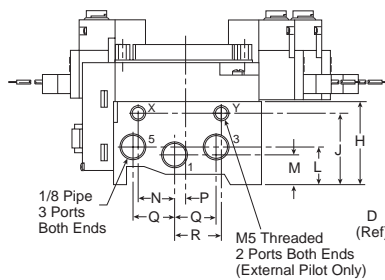
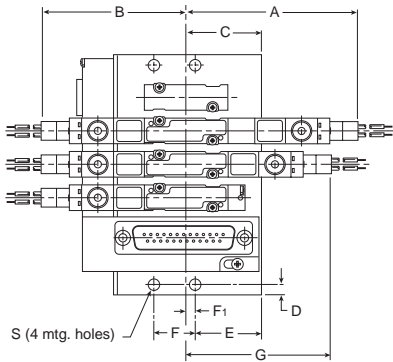
n = Number of stations.

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A05

Manifold – Side Ports

A05P – Manifold, Side Ports



A 2.52 (64)	B 2.21 (56)	C 1.12 (29)	D .16 (4)	E 1.00 (26)	F .63 (16)
F₁ .19 (5)	G 2.21 (56)	H 1.26 (32)	J 1.08 (28)	L .59 (15)	M .45 (11.5)
N .55 (14)	P .13 (3)	Q .63 (16)	R .71 (18)	S Ø .18 (4.5)	T 1.34 (34)
T₁ .39 (10)	U .49 (12.5)	U₁ .41 (10.5)	V 2.64 (67)	W 1.32 (34)	W₁ .37 (10)
X 1.65 (42)	X₁ .67 (18)				

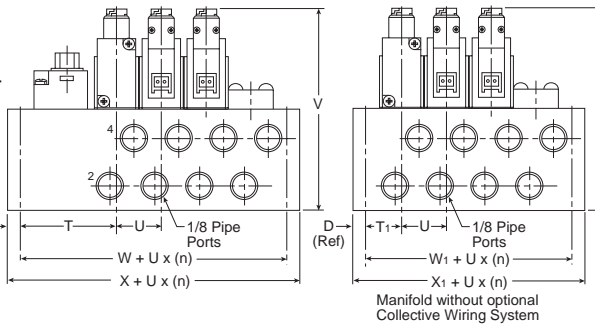
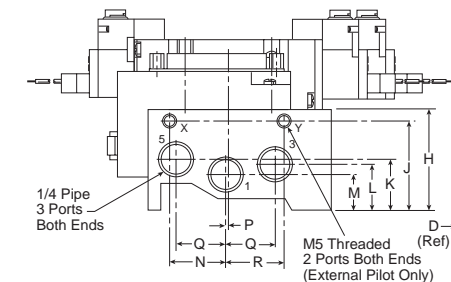
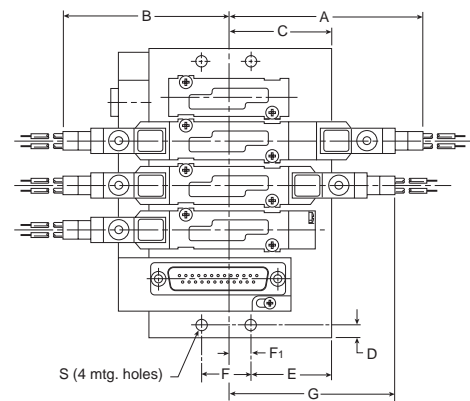
Inches (mm)

n = Number of stations.

A12

Manifold – Side Ports

A12P – Manifold, Side Ports



A 3.01 (77)	B 2.58 (66)	C 1.59 (40)	D .20 (5)	E 1.25 (32)	F .77 (20)
F .34 (9)	G 2.58 (66)	H 1.57 (40)	J 1.38 (35)	K .79 (20)	L .71 (18)
M .55 (14)	N .87 (22)	P .04 (1)	Q .77 (20)	R .91 (23)	S Ø .18 (4.5)
T 1.48 (38)	T₁ .59 (13)	U .69 (17.5)	V 3.09 (79)	W 1.34 (34)	W₁ .33 (9)
X 1.73 (44)	X₁ .73 (19)				

Inches (mm)

n = Number of stations.

D

EZ

B

Viking Xtreme

ADEX

N