

Compact Manifold Regulator

Individual Supply Type

Series **ARM11B**

How to Order

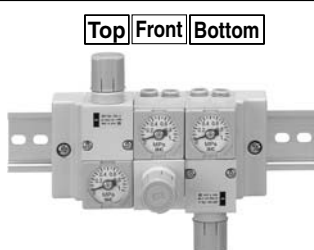
ARM11B B 1 - 3 06 - A Z - N

1
2
3
4
5
6
7
8



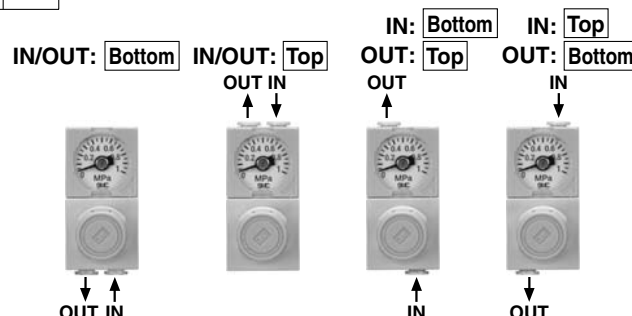
1. Handle Position

Symbol	Position
A	Top
B	Front
C	Bottom



2. IN/OUT Piping Position

Position	IN side		OUT side	
Symbol	Bottom	Top	Bottom	Top
1	●		●	
2		●		●
3	●			●
4		●	●	



3. Regulator Block Stations

Symbol	Stations
1	1 station
2	2 stations
3	3 stations
4	4 stations
5	5 stations
6	6 stations
7	7 stations
8	8 stations
9	9 stations
M	10 stations

4. IN/OUT Fitting Type (Refer to the figure below.)

Metric size

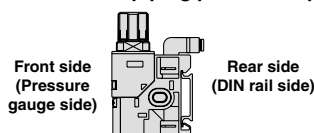
Mounting position	IN side				OUT side			
	Straight		Elbow <small>(Note)</small>		Straight		Elbow <small>(Note)</small>	
Symbol	ø4	ø6	ø4	ø6	ø4	ø6	ø4	ø6
06	●				●			
07		●			●			
08		●				●		
18			●				●	
19				●			●	
20				●				●
25	●						●	
26		●					●	
27		●						●
32			●		●			
33				●	●			
34				●		●		

Inch size

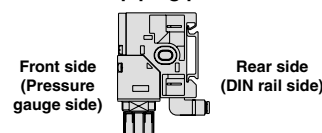
Mounting position	IN side				OUT side			
	Straight		Elbow <small>(Note)</small>		Straight		Elbow <small>(Note)</small>	
Symbol	ø5/32	ø1/4	ø5/32	ø1/4	ø5/32	ø1/4	ø5/32	ø1/4
56	●				●			
57		●			●			
58		●				●		
68			●				●	
69				●			●	
70				●				●
75	●						●	
76		●					●	
77		●						●
82			●		●			
83				●	●			
84				●		●		

Note) When the handle and the OUT piping are located on the same side, the elbow fitting is directed to the rear side (DIN rail side). Use caution to ensure the connector is not disturbed, depending on piping direction, when choosing to attach a digital pressure switch.

Handle position: Top
OUT piping position: Top



Handle position: Bottom
OUT piping position: Bottom



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5. Accessory (Pressure Display)

Symbol	Accessory
Nil	Without pressure display
A <small>Note 1, 2)</small>	With pressure display

Note 1) Pressure display means a pressure gauge or digital pressure switch is attached.

When choosing to attach a digital pressure switch is chosen for attachment, be sure to enter the symbol, referring to table 8, "Digital Pressure Switch Output Specifications". Otherwise, a pressure gauge will come with the regulator.

Note 2) Pressure gauges are not compatible with copper-free and fluorine-free specifications.

Without pressure display



With pressure display



With pressure gauge



With digital pressure switch

6. Options

Symbol	None	0.35 MPa setting <small>Note 1)</small>	Non-relieving	<small>Note 2)</small> Oil-free
Nil	●			
1		●		
2			●	
3				●
4		●	●	
5		●		●
6			●	●
7		●	●	●

Note 1) A pressure gauge with a full span of 0.4 MPa is attached.

Note 2) The oil-free specification is grease-free in the fluid contact area.

7. Unit Representation

Symbol	Description
Nil	Display unit for product name plate and pressure gauge: MPa
Z <small>Note 1, 2)</small>	Display unit for product name plate and pressure gauge: psi
ZA <small>Note 1, 3)</small>	Digital pressure switch: with unit switching (MPa is initially set.)

Note 1) This option is available for use outside Japan only. (The SI unit has to be used in Japan.)

Note 2) The digital pressure switch is equipped with unit switching and initially set to psi.

Note 3) This option is available with the digital pressure switch.

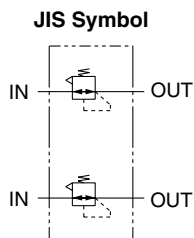
8. Digital Pressure Switch Output Specifications Note)

Symbol	Details
Nil	None
N	NPN open collector
P	PNP open collector

Note) When a digital pressure switch is attached, the "pressure display" in table 5 "Accessory" will be equipped.

The electrical entry is positioned on the side opposite the handle.

Specifications



Note) A standard model is equipped with a backflow function. Main valve opens when the inlet pressure is released, and then the outlet pressure backflows into the inlet side.

Regulator construction		Direct acting
Working principal		Diaphragm regulator
Relief mechanism	Standard	Relief type
	Optional	Non-relieving type
Backflow function <small>Note 1)</small>		Within (Unbalance type)
IN side tubing O.D.		ø4, ø6, ø5/32, ø1/4
OUT side tubing O.D.		ø4, ø6, ø5/32, ø1/4
Proof pressure		1.5 MPa
Maximum operating pressure		1.0 MPa
Set pressure range	Standard	0.05 to 0.7 MPa
	Optional	0.05 to 0.35 MPa (Low pressure type)
Fluid		Air
Ambient and operating fluid temperature <small>Note 2)</small>		5 to 60°C

Note 1) 0.1 MPa or greater set pressure is required when used in the reverse flow.

Note 2) 5 to 50°C when the digital pressure switch will be used.

Refer to page 512 for the digital pressure switch specifications.



Specific Product Precautions

Be sure to read before handling.

Refer to front matters 42 and 43 for Safety Instructions and pages 287 to 291 for Precautions on every series.

Maintenance

Warning

1. Make sure to perform a periodic inspection of the pressure gauge when the compact manifold regulator is installed between a solenoid valve and an actuator. Sudden pressure changes could happen and the durability of the product could be reduced. Using an electronic style pressure gauge is recommended, depending on the situation.