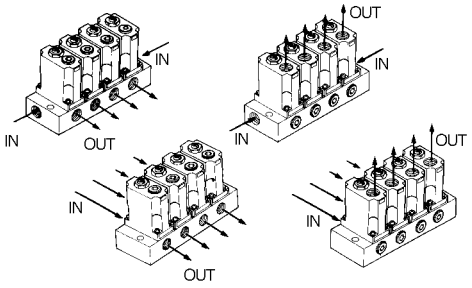
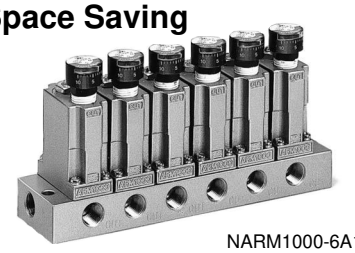
4 Ways of Connection



Small Size Pressure Gauge ø15mm

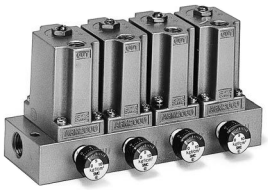
Reverse flow function available on the standard model

Space Saving



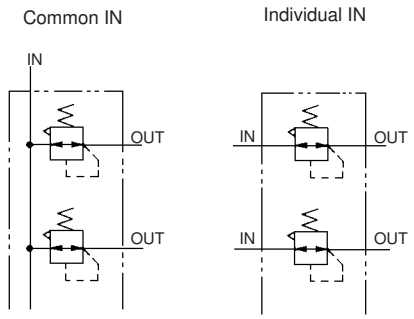
NARM1000-6A1-N01G

NARM2000-4B2



NARM2000-4A2-N01G

Symbol



Standard Specifications

Fluid	Air
Proof pressure psig (MPa)	175 (1.2)
Max. operating pressure psig (MPa)	120 (0.8)
Set pressure range psig (MPa)	7~100 (0.05 to 0.7)
Ambient and fluid temperature	23°~140°F (–5 to 60°C) (No freezing)
Fluid	Air
Cracking pressure (Valve) psig (MPa)	3 (0.02)
Construction	Relief style

Port size/Weight

Model	Porting	Port size		Weight lb (g)	
		IN	OUT	Total weight (n: stations)	Regulator (Except manifold)
NARM1000	Common IN	1/8	1/8	(80 X n) + 23	.13 (57)
	Individual IN	1/8	1/8	(79 X n) + 25	
NARM2000	Common IN	1/4	1/8	(188 X n) + 43	.3 (136)
	Individual IN	1/8	1/8	(187 X n) + 45	

How to Order

NARM 1000 — 5 A1 □ 01 G — 1

Regulator for manifold

Body size

1000	
2000	

Number of stations

1	1 station
⋮	⋮
10	10 station

Porting

Symbol	IN	OUT
A1	Common	Manifold side
A2		Body side
B1	Individual	Manifold side
B2		Body side

Note1) In case of A1 and B1, a pressure gauge or a plug is mounted at the body side, while in case of A2 and B2, at the manifold side.
Note2) Pressure gauges mounted in body are oriented so that the 6 o'clock position of the gauge is at the pressure adjusting screw.

Port size (OUT side)

01	1/8

Thread

—	Rc(PT)
N	NPT

Option

1	Set at 0.2MPa

Note1) Pressure gauge for 1MPa is used.
Note2) Only the adjusting spring is different from the standard model.

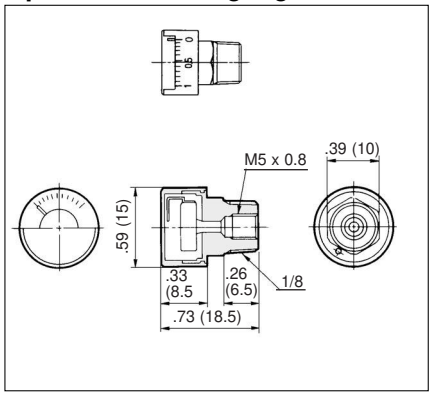
Accessory

—	None (with plug)
G	Pressure gauge

Part Name	Model	
	NARM1000	NARM2000
Regulator w/o mfld	NARM1000A	NARM2000A
Pressure gauge	G15-P10-N01	G15-P10-N01
Blanking plate kit (plate, screws, and o-ring)	136114A	136214A
Manifold base, Common IN (A1, A2)	13612-*-N	13622-*-N
Manifold base, Individual IN (B1, B2)	13613-*-N	13623-*-N

* Denotes number of stations: 2~10 available.

Option: Pressure gauge G15-10-01



•Precautions:

How to Order

G15 — P10 — □ 01

Units

Nil	MPa
P	PSI

Max. pressure indication

10	150PSI (1.0MPa)

*Pressure gauge for 30psig (0.2MPa) is not available. Please use gauge for 150psi (1.0MPa).

Kind of connecting thread

01	1/8 male thread, M5 female thread

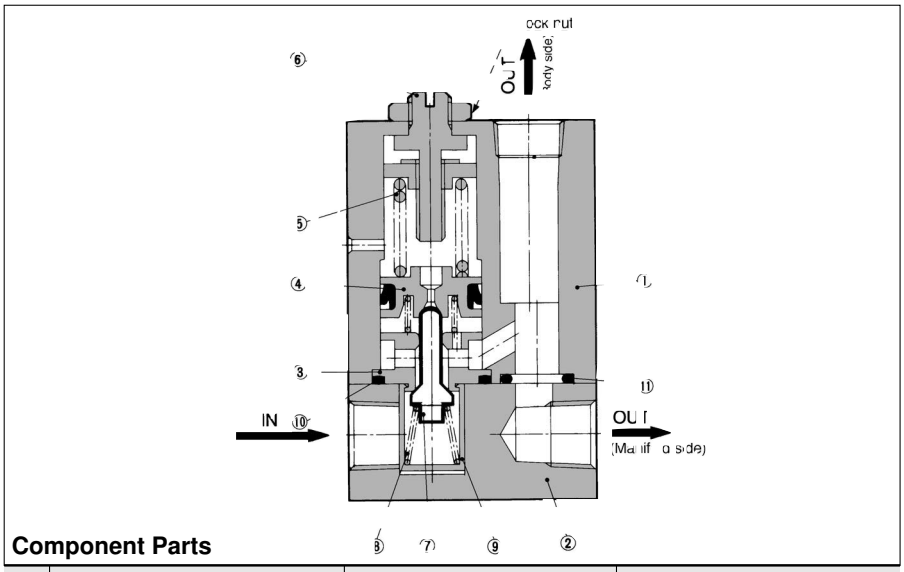
Thread

—	Rc(PT)
N	NPT

Return to Menu

Regulator for Manifold
NARM1000, 2000

Construction (Individual IN)



Component Parts

No.	Description	Material	Note
①	Body	ADC	Chromate
②	Manifold	Aluminum alloy	Chromate
③	Valve guide	Brass	
④	Piston	Brass	
⑤	Adjusting spring	Steel wire	Zinc chromate
⑥	Adjusting screw	Steel	Electroless nickel plating

Replacement Parts

No.	Description	Material	Part no.	
			NARM1000	NARM2000
⑦	Valve	Brass/NBR	134819	13626
⑧	Valve spring	Stainless steel	13615	13625
⑨	Valve retainer	POM	13614	13624
⑩	O-ring	NBR	16.5 x 13.5 x 1.5	23 x 20 x 1.5
⑪	O-ring	NBR	P7	P8

Setting

①Make sure to check the primary pressure before setting the secondary pressure. Turning the pressure adjustment handle clockwise increases the secondary pressure and turning it counterclockwise decreases the pressure. (To set the pressure, do so in the direction of pressure increase.)
②The secondary pressure must be set to 85% or less of the primary pressure.

⚠ Precautions

Be sure to read before handling.
Refer to page 6 for Safety Instructions and precautions common to the products mentioned in this volume and refer to pages 7 and 8 for more detailed precautions of every series.

Mounting/Adjustment

⚠ Warning

①In the case of the common IN type, supply pressure from the two IN ports from both ends. Failure to observe this procedure could lead to an excessive pressure drop.
②Set up the regulator while verifying the pressure that is indicated on the primary and the secondary pressure gauges. Turning the handle excessively could damage the internal parts.

⚠ Caution

①Release the lock to adjust the pressure. After the adjustment, engage the lock. Failure to observe this procedure could damage the handle or cause the secondary pressure to fluctuate.

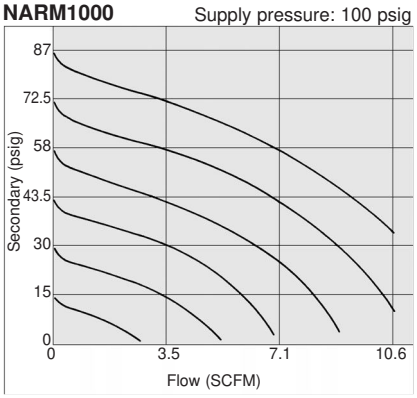
Maintenance

⚠ Warning

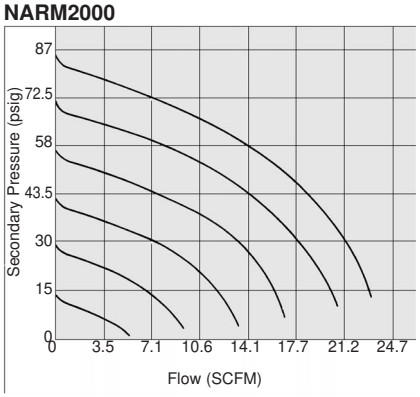
①Make sure to perform a periodic inspection of the pressure gauge when it is used by installing it between a solenoid valve and an actuator, etc.
Because of the possibility of creating sudden pressure fluctuations, the durability of the product could be shortened.
Under certain circumstances, the use of an electronic type pressure gauge is recommended.

Flow Characteristics

NARM1000 Supply pressure: 100 psig



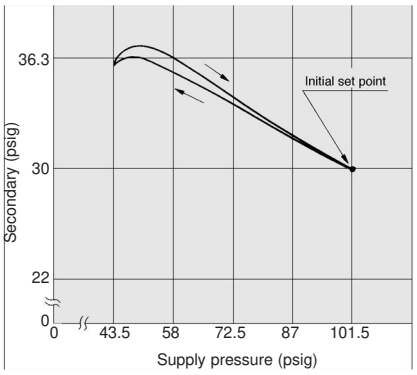
NARM2000



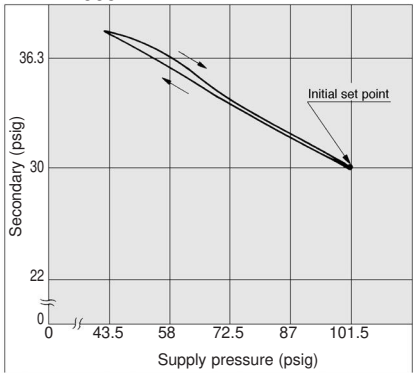
Pressure Characteristics

Initial setting Supply pressure: 0.7MPa{7.1kgf/cm²}
Secondary pressure: 0.2MPa{2.0kgf/c
Flow: .4 SCFM

NARM1000

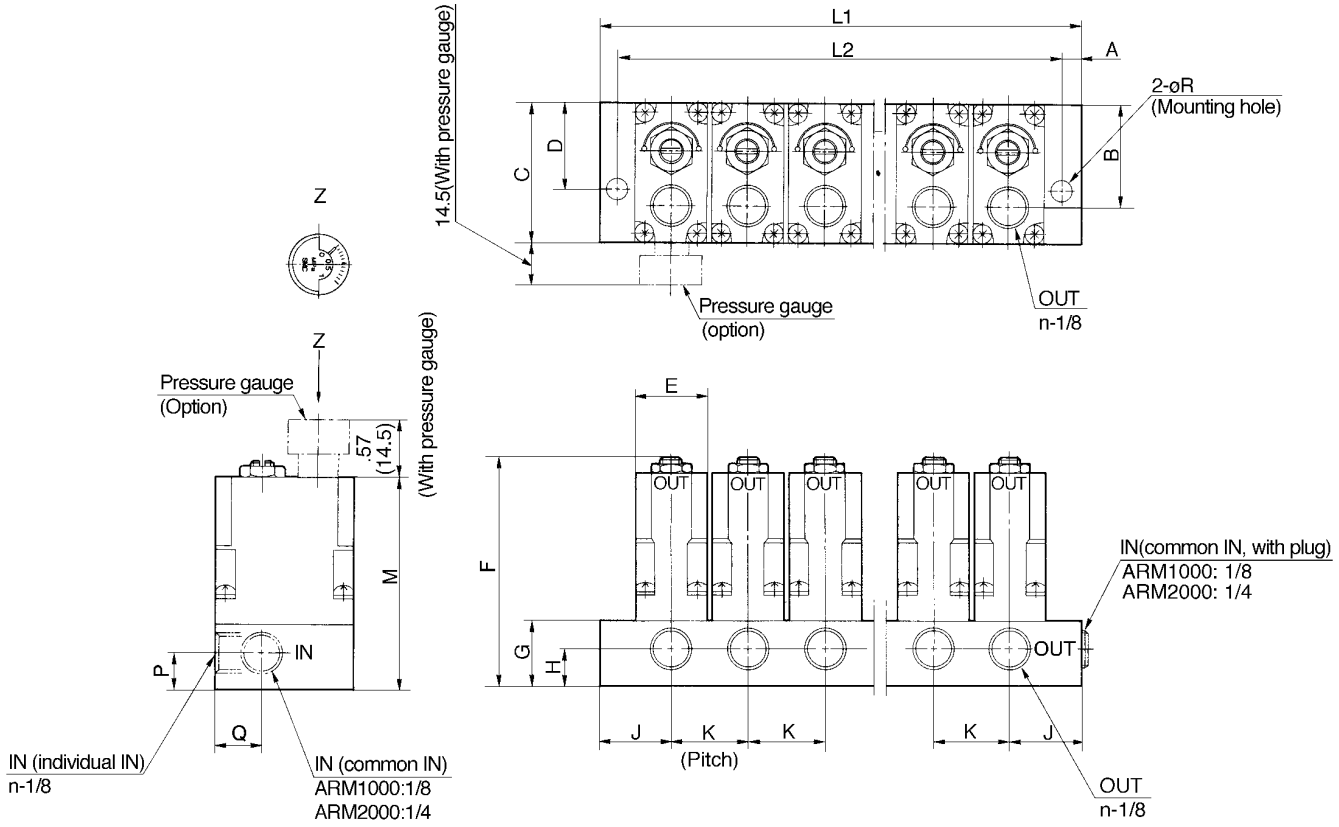


NARM2000



Return to Menu

Dimensions



Dimensions

Model \ Symbol	A	B	C	D	E	F	G	H	J	K	M	P	Q	R
NARM1000	.18 (4.5)	.98 (25)	1.34 (34)	.83 (21)	.71 (18)	2.20 (56)	.63 (16)	.35 (9)	.71 (18)	.75 (19)	2.05 (52)	.35 (9)	.45 (11.5)	.19 (4.8)
NARM2000	.18 (4.5)	1.36 (34.5)	1.69 (43)	1.10 (28)	1.06 (27)	2.76 (70)	.79 (20)	.45 (11.5)	.94 (24)	1.10 (28)	2.60 (66)	.45 (11.5)	.65 (16.5)	.19 (4.8)

Dimensions by number of stations

Model	Symbol	A	C	E	F	G	H	J	K	M	P
NARM1000	L1	1.42 (36)	2.17 (55)	2.91 (74)	3.66 (93)	4.41 (112)	5.16 (131)	5.91 (150)	6.65 (169)	7.40 (188)	8.15 (207)
	L2	1.06 (27)	1.81 (46)	2.56 (65)	3.31 (84)	4.06 (103)	4.80 (122)	5.55 (141)	6.30 (160)	7.05 (179)	7.80 (198)
NARM2000	L1	1.89 (48)	2.99 (76)	4.09 (104)	5.20 (132)	6.30 (160)	7.40 (188)	8.50 (216)	9.61 (244)	10.71 (272)	11.81 (300)
	L2	1.54 (39)	2.64 (67)	3.74 (95)	4.84 (123)	5.94 (151)	7.05 (179)	8.15 (207)	9.25 (235)	10.35 (263)	11.46 (291)

Return to Menu

Regulator for Manifold
NARM2500, 3000

A modular type that can easily be mounted in a manifold station.

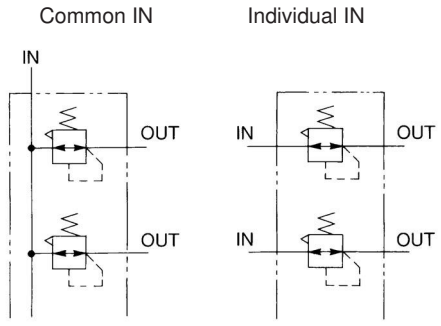
Optimal for central pressure control.

Pressure easily set using the new handle. One-touch lock system.

NARM3000

NARM2500

Symbol



How to Order

NARM **2500** — **05** **A** — **02** **G1**

Regulator for manifold

Body size

2500
3000

Number of stations

02	2 stations
⋮	⋮
10	10 stations

Piping

Symbol	Type	IN
A	Common IN	From end plate
B	Individual IN	Below: OUT port or G port

Port size (OUT side)

Symbol	Port size	Applicable model
02	NPT 1/4	NARM2500
03	NPT 3/8	NARM3000

Accessory

—	None (with plug)
G1	K40A-MP1.0-N01M
G2	K40A-MP1.0-N01M

Standard Specifications

Proof pressure psig (MPa)	220 (1.5)
Max. operating pressure psig (MPa)	150 (1.0)
Set pressure range psig (MPa)	7~120 (0.05 to 0.85)
Ambient and fluid temperature	23~140 (–5 to 60°C) (No freezing)
Fluid	Air
Construction	Relief type

Port size/Weight

Model	Piping	Port size NPT			Pressure gauge port size NPT	Weight lb (kg)	
		IN		OUT		Regulator	End plate
		Body	End plate				
NARM2500	Common IN	—	3/8	1/4	1/8	.57 (0.26)	.13 (0.06)
	Individual IN	1/4	—	1/4	1/8		
NARM3000	Common IN	—	1/2	3/8	1/8	1.04 (0.47)	.24 (0.11)
	Individual IN	3/8	—	3/8	1/8		

Weight by number of stations

lb (kg)

Model \ Stations	2	3	4	5	6	7	8	9	10
NARM2500	1.50 (0.68)	2.12 (0.96)	2.71 (1.23)	3.33 (1.51)	3.92 (1.78)	4.54 (2.06)	5.14 (2.33)	5.75 (2.61)	6.37 (2.89)
NARM3000	2.67 (1.25)	3.86 (1.75)	4.96 (2.25)	6.06 (2.75)	7.19 (3.26)	8.29 (3.76)	9.39 (4.26)	10.49 (4.76)	11.6 (5.26)

Return to Menu

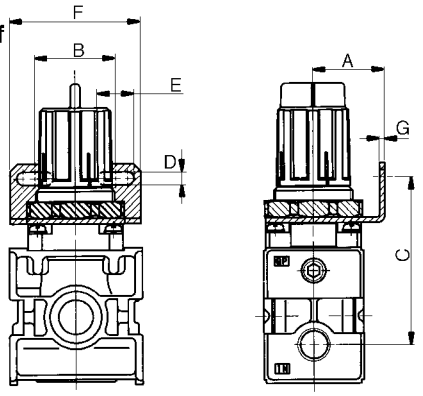
Option: Mounting bolt ass'y

Model	Part no.	Dimensions	Qty.	Note
NARM2500	136313	Hexagon socket head cap screw (M5 x 70)	4	With flat washer
NARM3000	136413	Hexagon socket head cap screw (M6 x 85)	4	With flat washer

Option: Bracket assembly

Individual IN type can be used as a single regulator.

Example of mounting



Model	Part no.	A	B	C	D	E	F	G
NARM2500	136314	1.18 (30)	1.34 (34)	2.76 (70)	.21 (5.4)	.61 (15.4)	2.17 (55)	.09 (2.3)
NARM3000	136414	1.61 (41)	1.57 (40)	2.97 (75.5)	.26 (6.5)	.31 (8)	2.09 (53)	.09 (2.3)

⚠ Precautions

Be sure to read before handling.
Refer to page 6 for Safety Instructions and precuations common to the products mentioned in this volume and refer to pages 7 and 8 for more detailed precautions of every series.

Mounting/Adjustment

⚠ Warning

① The adjustment handle must be operated manually. Using a tool to turn the handle could lead to damage.

② Set up the regulator while verifying the pressure that is indicated on the primary and the secondary pressure gauges. Turning the handle excessively could damage the internal parts.

⚠ Caution

① Release the lock to adjust the pressure. After the adjustment, engage the lock. Failure to observe this procedure could damage the handle or cause the secondary pressure to fluctuate.

1) On the NARM2500, pull the adjustment handle to release the lock and push the adjustment handle to engage the lock. If it does not lock easily, turn the handle slightly clockwise or counterclockwise before pushing it.

2) On the NARM3000, pull the adjustment handle to release the lock. (An orange colored line is provided at the bottom of the adjustment handle for visual checking.) Push the adjustment handle to engage the lock. If it does not lock easily, turn the handle slightly clockwise or counterclockwise; then, push it until the orange colored line is no longer visible.

② Turning the pressure adjustment handle clockwise increases the secondary pressure and turning it counterclockwise decreases the pressure.

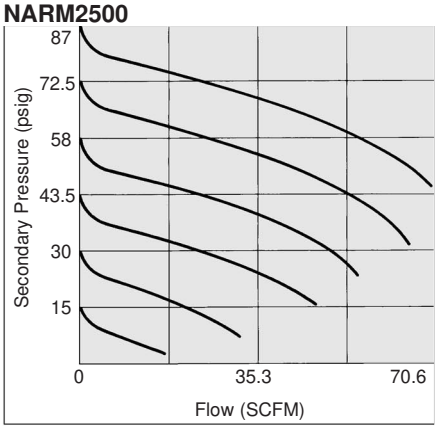
③ Make sure to check the primary pressure before setting the pressure. The secondary pressure must be set to 85% or less of the primary pressure. Failure to observe this procedure could cause the secondary pressure to fluctuate.

④ In the case of the common IN type, supply pressure from the two IN ports from both ends. Failure to observe this procedure could lead to an excessive pressure drop.

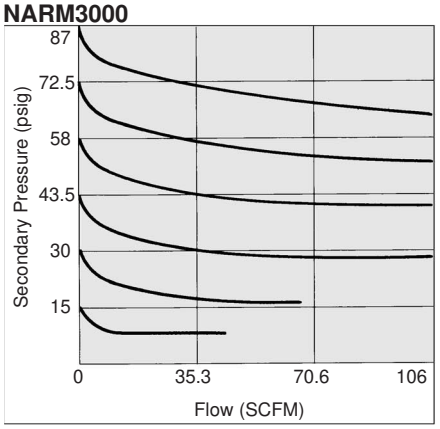
Flow Characteristics

Supply pressure: 100 psig

NARM2500



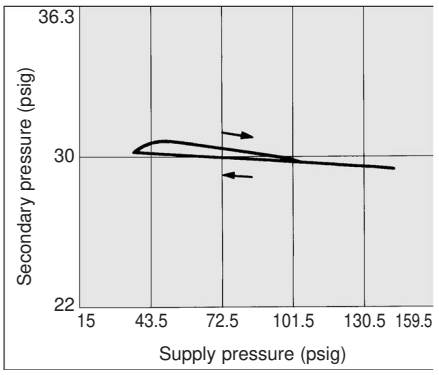
NARM3000



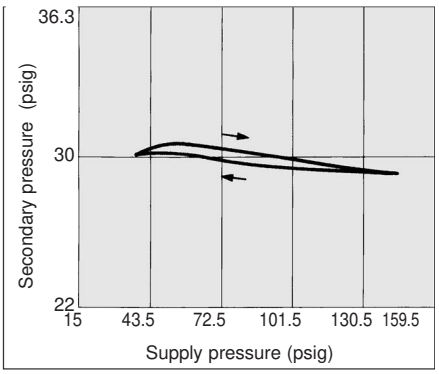
Pressure Characteristics

Supply pressure 100 psig
Secondary pressure 30 psig
Flow rate .7 SCFM

NARM2500



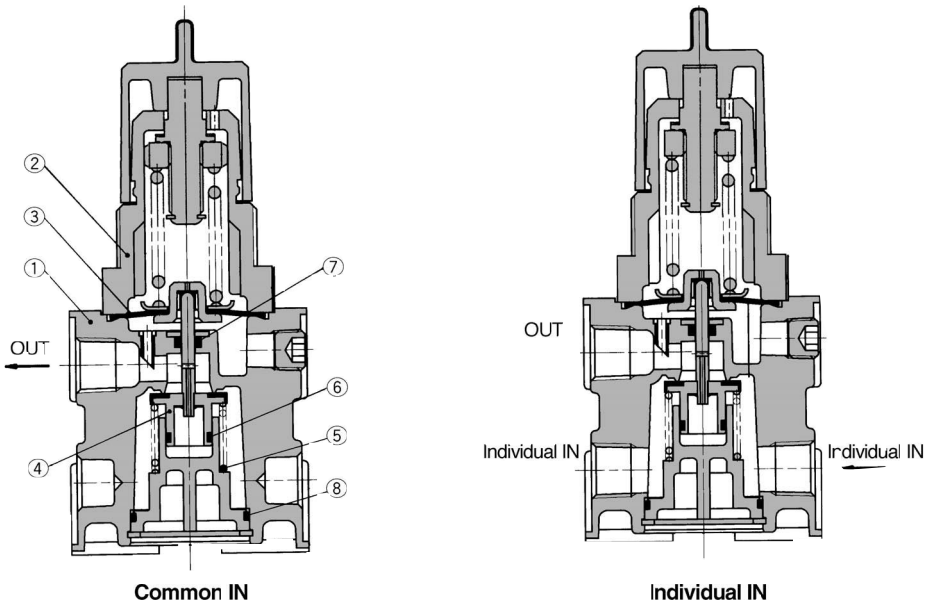
NARM3000



Return to Menu

Regulator for Manifold
NARM2500, 3000

Construction



Main Parts

No.	Description	Material	Note
①	Body	Aluminum die casting	Chromate/Platinum silver painting
②	Bonnet	Polyacetal	

Component Parts

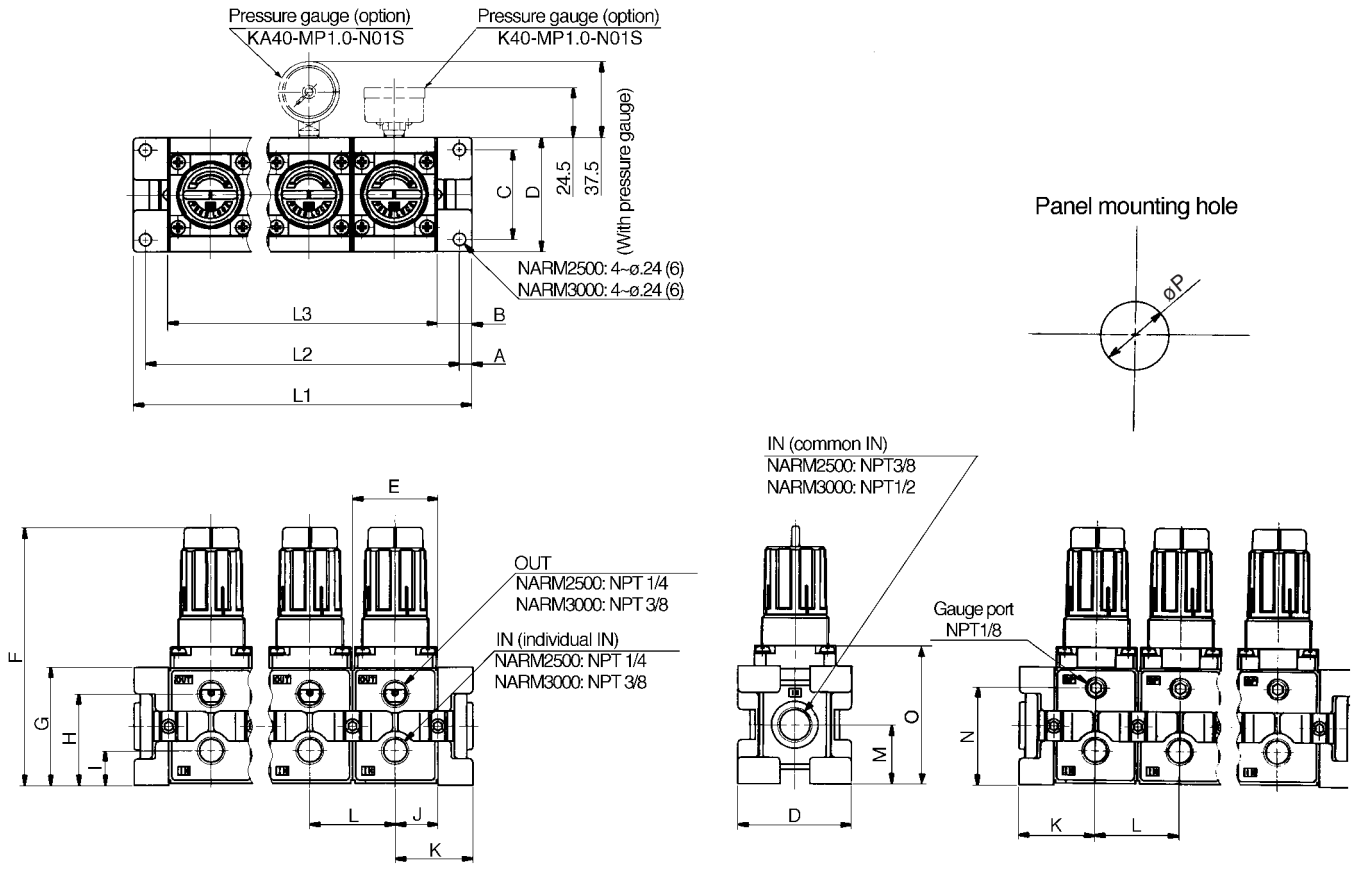
No.	Description	Material	Part no.	
			NARM2500	**NARM3000**
③	Diaphragm ass'y	NBR	1349161A	131515A
④	Valve ass'y	Brass/NBR	13639A	13649A
⑤	Valve spring	Stainless steel	136310	136410
⑥	Valve O-ring	NBR	11.5 X 8.5 X 1.5	14.5 X 10.5 X 2
⑦	O-ring	NBR	P3	P5
⑧	O-ring	NBR	28 X 25 X 1.5	35 X 31 X 2

Component Parts

Description	No.	Assembly Component		Qty.	Part no. NARM2500 Common IN	NARM2500 Individual IN	NARM3000 Common IN	NARM3000 Individual IN
Regulator	⑨	Regulator		1	NARM2500-A-N02	NARM2500-B-N02	NARM3000-A-N03	NARM3000-B-N03
End plate ass'y	⑩	End plate R		1	13636A	13636B (Except for O-ring)	13646A	13646B (Except for O-ring)
	⑪	End plate L		1				
	⑫	O-ring		1				
	⑬	Bracket	Bracket A	1 set 2				
			Bracket B	2				
			Hexagon socket head cap screw	2				
Bracket ass'y	⑭	O-ring		1	136312		136412	
	⑮	Bracket	Bracket A	1 set 2				
			Bracket B	2				
			Hexagon socket head cap screw	2				

How to Order
(1) When adding n stations to ARM $\frac{2500}{3000}$-＊＊ $\frac{A}{B}$
·Regulator n pcs.
·Bracket ass'y n pcs.
(2) When ordering regulators, end plate assembly and bracket assembly are assembled to make the manifold of n stations.
·Regulator n pcs.
·Bracket ass'y n pcs.
·End plate ass'y 1 pc.

Return to Menu



Dimensions

Model \ Symbol	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
NARM2500	.24 (6)	.67 (17)	1.73 (44)	2.20 (56)	1.65 (42)	4.98 (126.5)	2.28 (58)	1.77 (45)	.67 (17)	.83 (21)	1.50 (38)	1.65 (42)	1.14 (29)	1.89 (48)	2.68 (68)	1.32 (33.5)
NARM3000	.28 (7)	.83 (21)	2.13 (54)	2.68 (968)	2.17 (55)	6.04 (153.5)	2.76 (70)	2.09 (53)	.93 (23.5)	1.08 (27.5)	1.91 (48.5)	2.17 (55)	1.38 (35)	2.32 (59)	3.37 (85.5)	1.67 (42.5)

Dimensions by number of stations

Model	Symbol	2	3	4	5	6	7	8	9	10
NARM2500	L1	4.66 (118)	6.30 (160)	7.95 (202)	9.61 (244)	11.26 (286)	12.91 (328)	14.57 (370)	16.22 (412)	17.87 (454)
	L2	4.17 (106)	5.83 (148)	7.48 (190)	9.13 (232)	10.79 (274)	12.44 (316)	14.09 (358)	15.75 (400)	17.40 (442)
	L3	3.31 (84)	4.96 (126)	6.61 (168)	8.27 (210)	9.92 (252)	11.57 (294)	13.23 (336)	14.88 (378)	16.54 (420)
NARM3000	L1	5.98 (152)	8.15 (207)	10.31 (262)	12.48 (317)	14.65 (372)	16.81 (427)	18.98 (482)	21.14 (537)	23.31 (592)
	L2	5.43 (138)	7.60 (193)	9.76 (248)	11.93 (303)	14.10 (358)	16.26 (413)	18.43 (468)	20.59 (523)	22.76 (578)
	L3	4.33 (110)	6.50 (165)	8.66 (220)	10.83 (275)	12.99 (330)	15.16 (385)	17.32 (440)	19.49 (495)	21.65 (550)

Return to Menu