

Air Regulator (AR)

SAR

SAR2000M~6000M Series SAR2000T~6000T Series



How to order

SAR 40 00 M - 04 BG

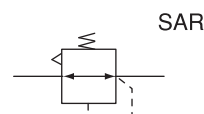
- ① Air regulator
- ② **Body Size**
20 - 1/4
30 - 3/8
40 - 1/2
60 - 1
- ③ **Handle type**
M - Standard
T - T type handle
note) SAR3000T is not modular type.

④ **Port Size**

	Body size			
	20	30	40	60
02 (Rc1/4)	●			
03 (Rc3/8)		●		
04 (Rc1/2)			●	
06 (Rc3/4)			●	●
10 (Rc1)				●

- ⑤ **Accessory(Optional)**
Nil - None Gauge / None Bracket
B - Bracket
G - Gauge

Symbol



Specification

Max. supply pressure	1.5MPa [15.3 kgf/cm ²]			
Max. operating pressure	0.97MPa [9.9 kgf/cm ²]			
Regulating range	50~850kPa [0.5~8.7 kgf/cm ²]			
Ambient and media temperature	5 ~ 60 °C			
Port size for Gauge (Rc)	AR2000	AR3000	AR4000	AR6000
	1 / 8	1 / 8	1 / 4	1 / 4
Construction / Regulator	Relief type			

Precautions

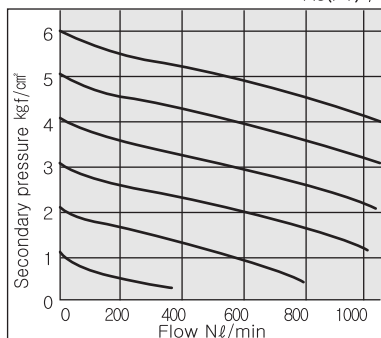
- ① <Standard type handle>
To unlock the handle, pull it until the orange marked underneath it shows. And then push the regulating handle again to lock after setting pressure.
<T type handle>
To unlock, unscrew the nut attached to the regulating handle. To lock, screw the nut after setting pressure.
- ② When regulating pressure, turning the handle to the right raises the pressure of secondary side. Turning to the opposite(left) direction drops the pressure.
- ③ Regulating pressure range of the secondary side is less than 85% of the first side.

● FLOW CHARACTERISTICS

Condition: Inlet pressure 7kg/cm²

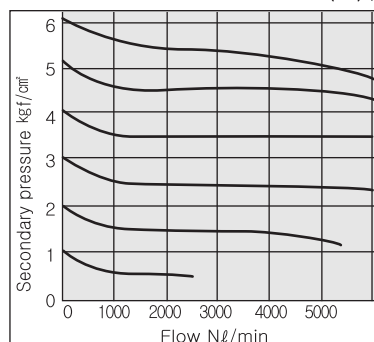
SAR 2000M / 2000T

Rc(PT)^{1/4}



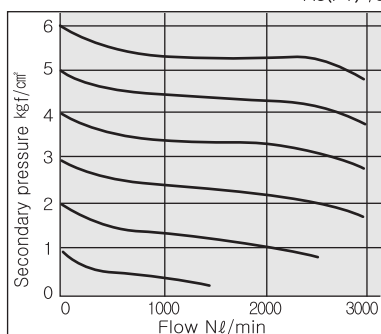
SAR 4000M / 4000T

Rc(PT)^{1/2}



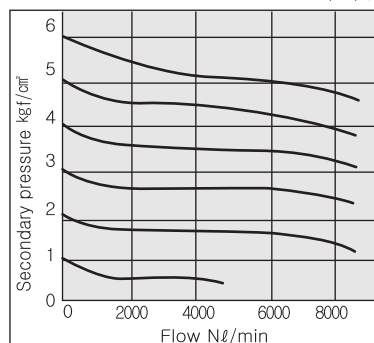
SAR 3000M / 3000T

Rc(PT)^{3/8}



SAR 6000M / 6000T

Rc(PT)^{3/4}

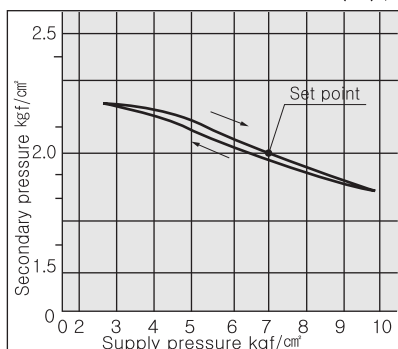


● PRESSURE CHARACTERISTICS

Condition: Inlet pressure 7kg/cm² Outlet pressure 2kg/cm² Flow rate 20ℓ/min (ANR)

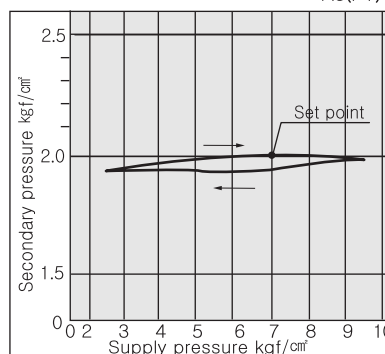
SAR 2000M / 2000T

Rc(PT)^{1/4}



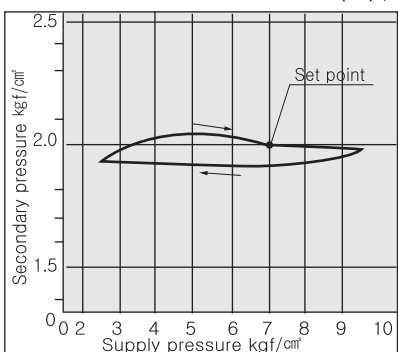
SAR 4000M / 4000T

Rc(PT)^{1/2}



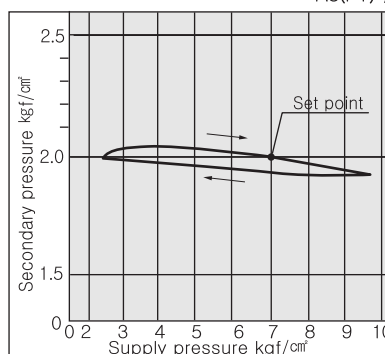
SAR 3000M / 3000T

Rc(PT)^{3/8}



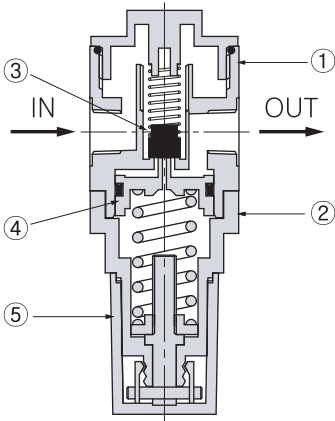
SAR 6000M / 6000T

Rc(PT)^{3/4}

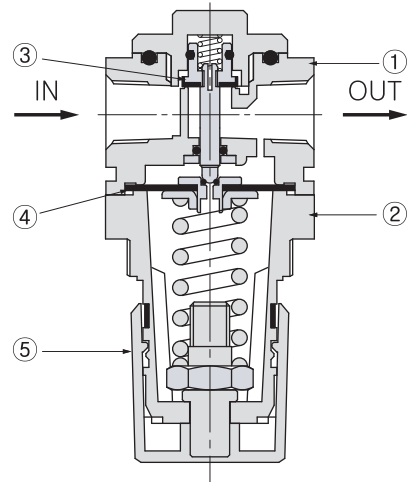


● STRUCTURE / PARTS – With standary handle

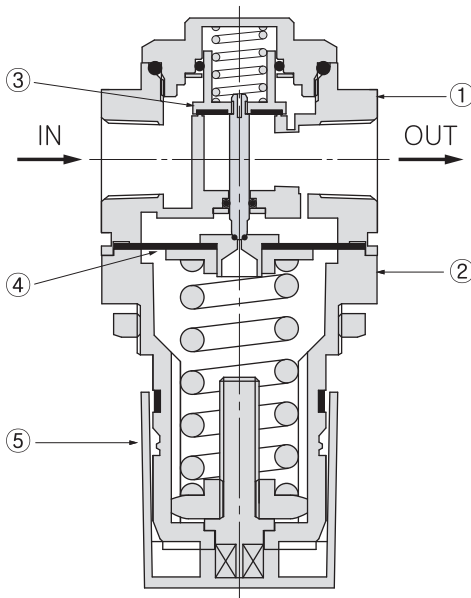
SAR 2000M



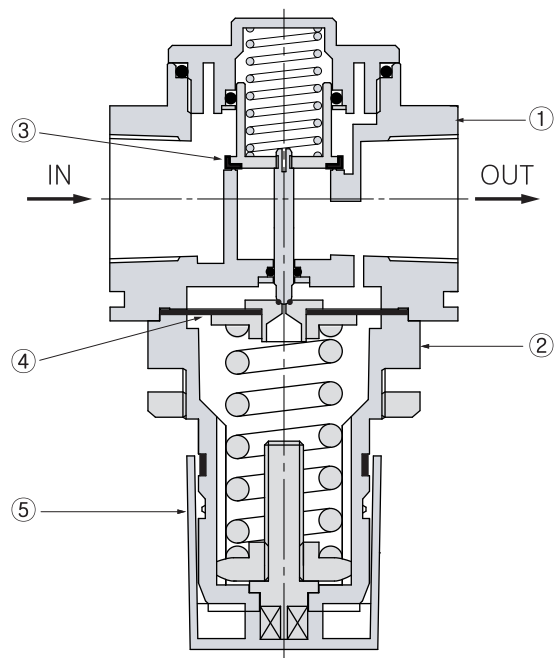
SAR 3000M



SAR 4000M



SAR 6000M

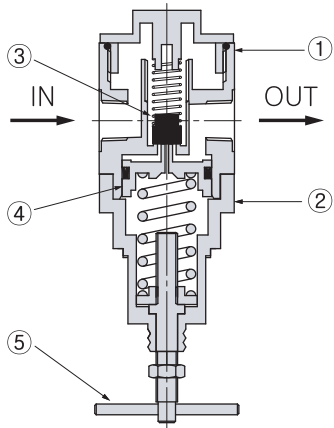


No.	PARTS	MATERIAL			
		AR2000M	AR3000M	AR4000M	AR6000M
1	Body	ALDC	ALDC	ALDC	ALDC
2	Cover	N66G	N66G	ALDC	ALDC
3	Check valve	NBR	NBR	NBR	NBR
4	Diaphragm ¹⁾	N66G	NBR	NBR	NBR
5	Knob Handle	N66G	N66G	N66G	N66G

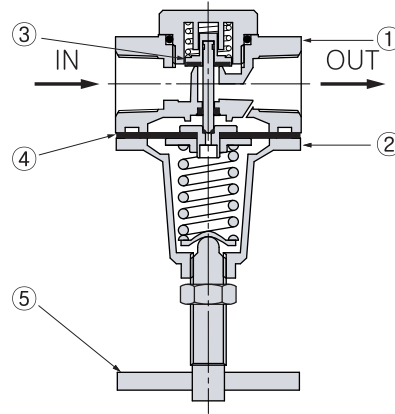
Note 1) SAR2000M is not diaphragm type but piston type.

• STRUCTURE / PARTS – With T type handle

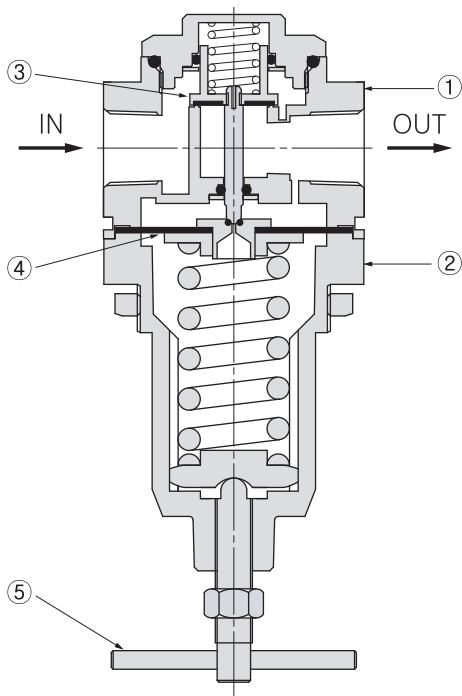
SAR 2000T



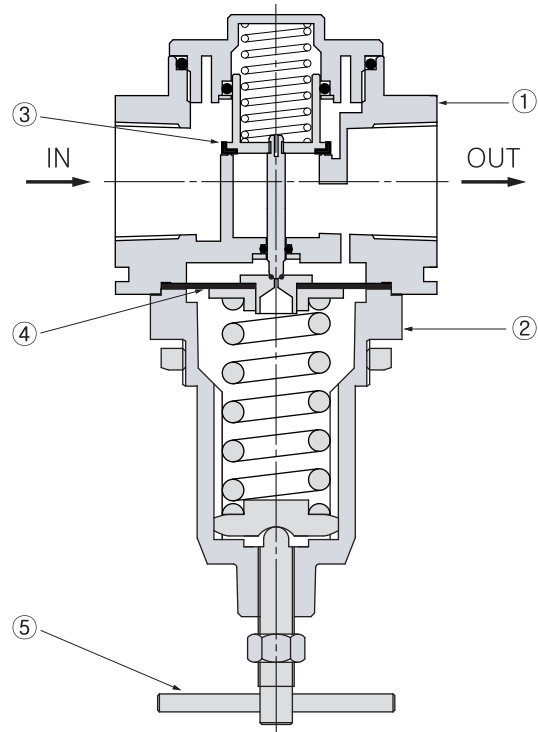
SAR 3000T



SAR 4000T



SAR 6000T



No.	PARTS	MATERIAL			
		AR2000T	AR3000T	AR4000T	AR6000T
1	Body	ALDC	ALDC	ALDC	ALDC
2	Cover	N66G	ALDC	ALDC	ALDC
3	Check valve	NBR	NBR	NBR	NBR
4	Diaphragm ¹⁾	N66G	NBR	NBR	NBR
5	T- Handle	Bs	STEEL	STEEL	STEEL

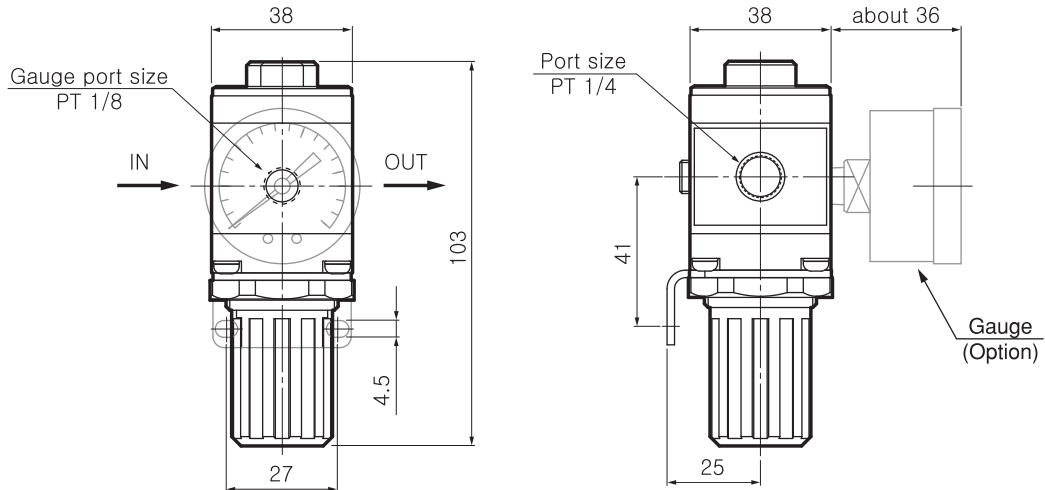
Note 1) SAR2000M is not diaphragm type but piston type.

DIMENSIONS (mm)

SAR 2000M

■ with **Standard** handle

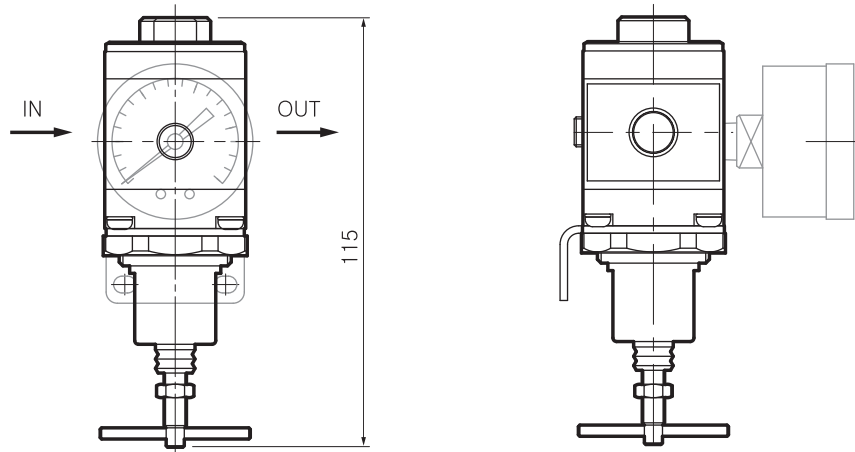
SAR2000M-02□□


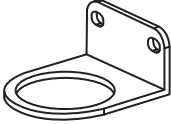


SAR 2000T

■ with **T-type** handle

SAR2000T-02□□



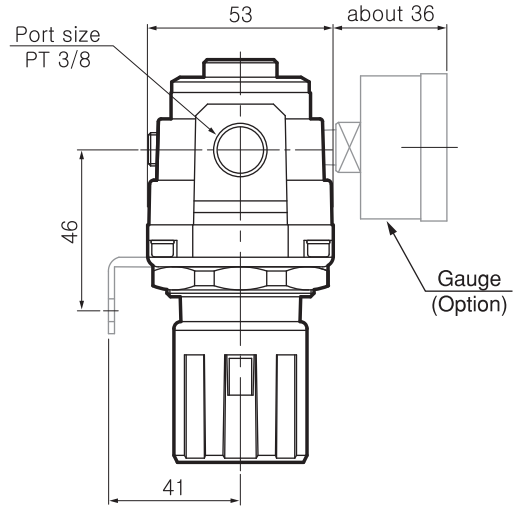
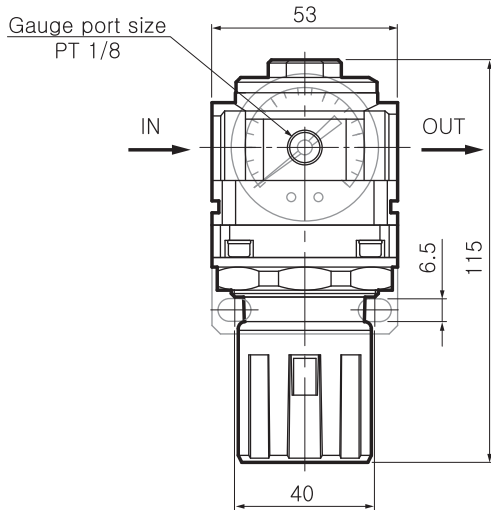
Option	G : Gauge	B : Bracket
Dimension	 Model : G40 PT 1/8 $\phi 42$	 B220

DIMENSIONS (mm)

SAR 3000M

■ with **Standard** handle

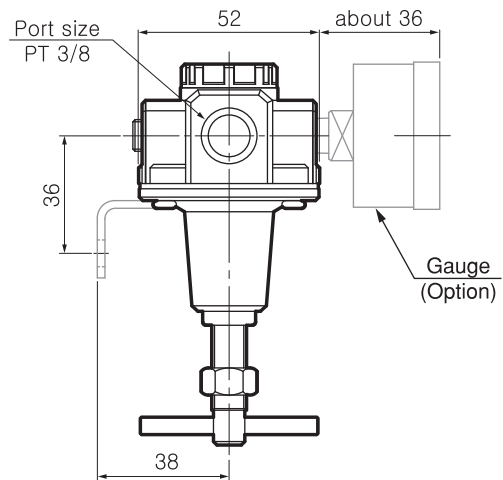
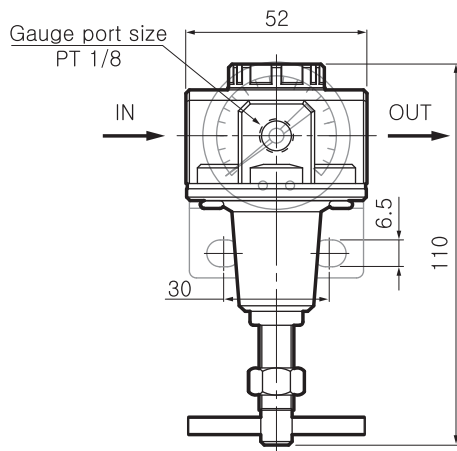
SAR3000M-03□□





SAR 3000T

■ with **T-type** handle

SAR3000T-03□□



Option	G : Gauge	B : Bracket
Dimension	 Model : G40 PT 1/8 φ42	 B320

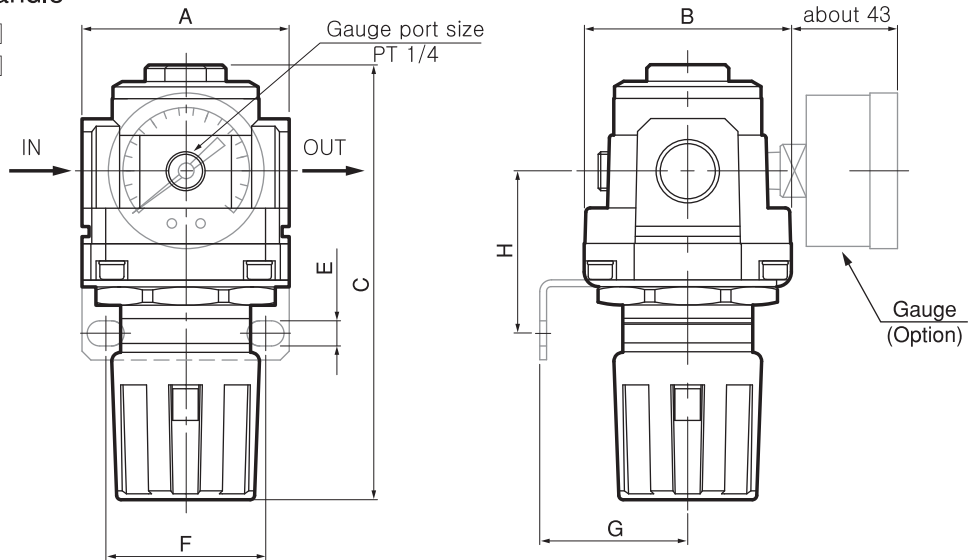
DIMENSIONS (mm)

SAR 4000M

■ with **Standard handle**

SAR4000M-04□□

SAR4000M-06□□

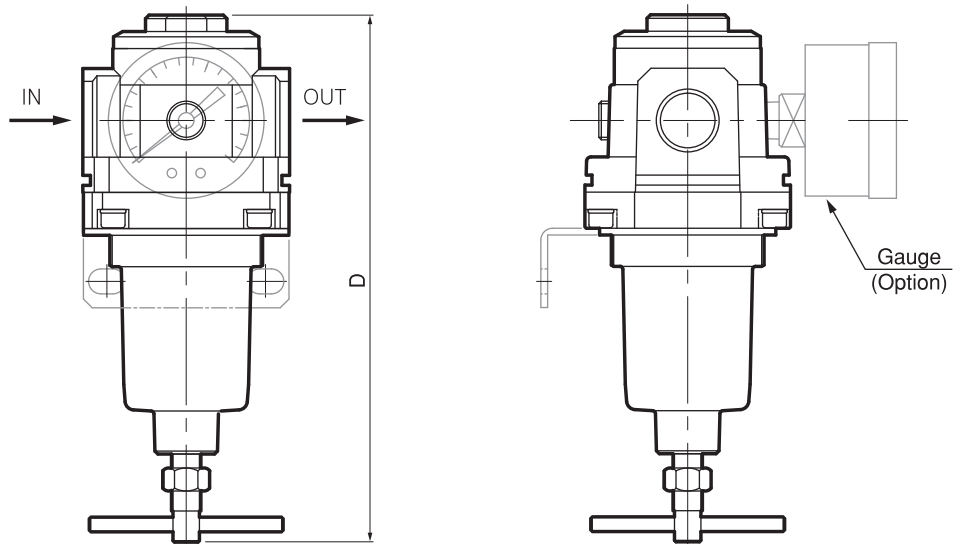



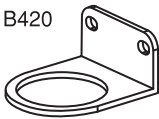
SAR 4000T

■ with **T-type handle**

SAR4000T-04□□

SAR4000T-06□□



Option	G : Gauge	B : Bracket
Dimension	 <p>Model : G40 PT 1/8 φ42</p>	 <p>B420</p>

Model	Port size (PT)	A	B	Height		E	F	G	H
				C	D(T)				
SAR4000M(T)-04	1/2	70	70	145	180	8.5	54	50	54
SAR4000M(T)-06	3/4	75	70	149	184	8.5	54	50	56

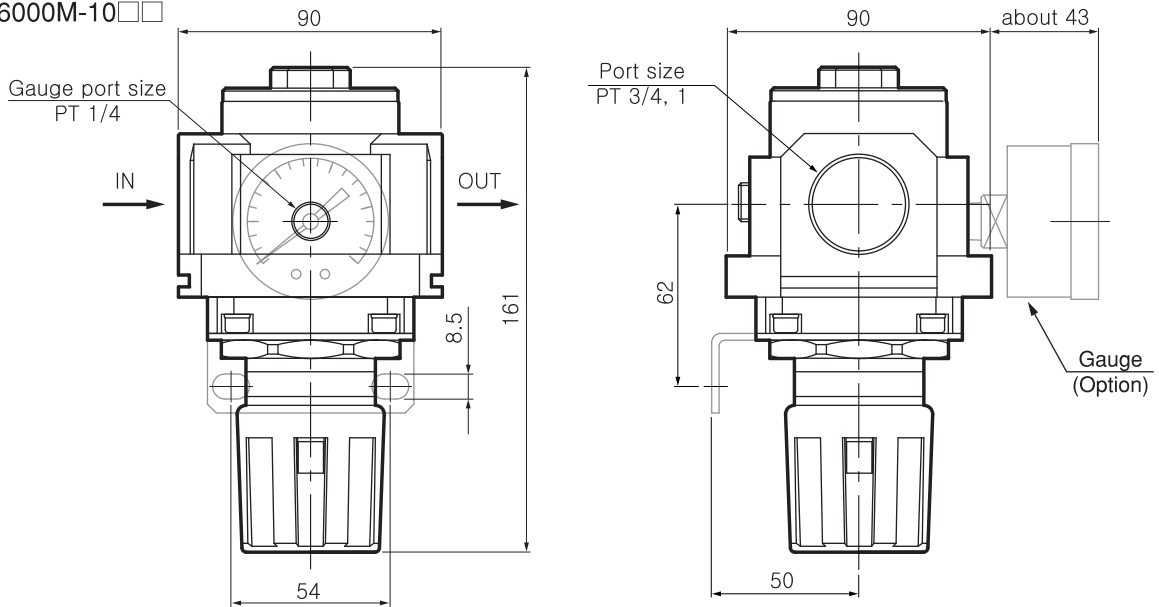
DIMENSIONS (mm)

SAR 6000M

■ with **Standard** handle

SAR6000M-06□□

SAR6000M-10□□

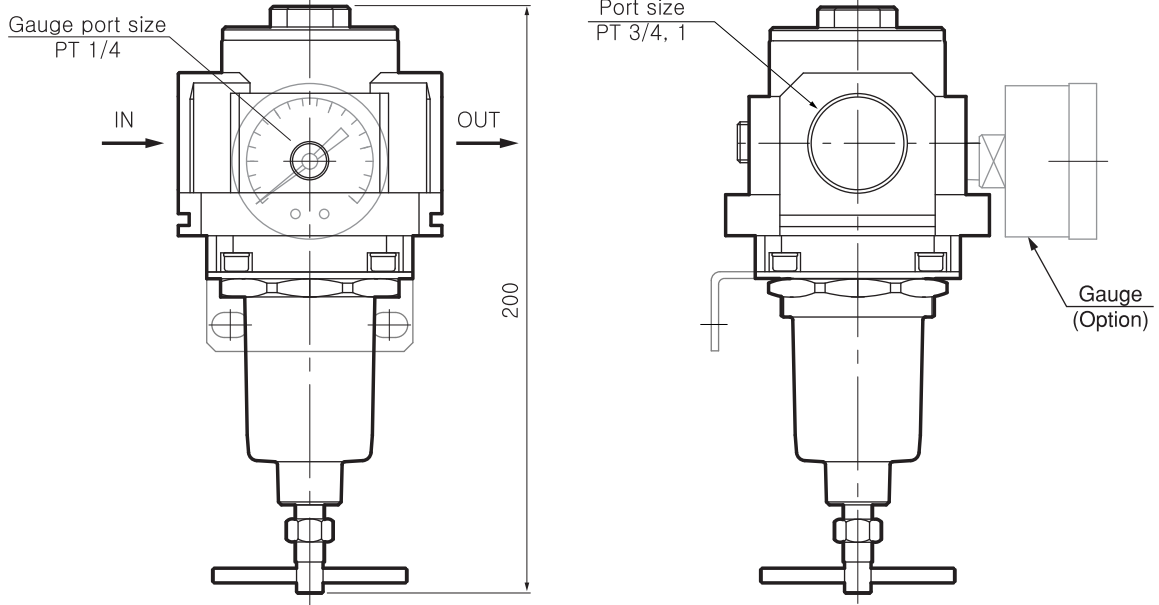



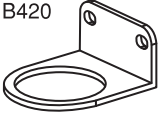
SAR 6000T

■ with **T-type** handle

SAR6000T-06□□

SAR6000T-10□□



Option	G : Gauge	B : Bracket
Dimension	 Model : G40 PT 1/8 φ42	 B420