

Preparation unit——A, B Series

AR、BR Series Regulator



Symbol



Product feature

1. The structure is delicate and compact, which is convenient for installation and application.
2. The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
3. In addition to standard type, lower pressure type is optional (The highest adjustable pressure is 0.4MPa).

Specification

Model	AR1500C	AR2000C	BR2000C	BR3000C	BR4000C10	BR4000C
Fluid	Air					
Port size [Note1]	PT1/8	PT1/4	PT1/4	PT3/8	PT3/8	PT1/2
Pressure range	0.05~0.9MPa(7~130Psi)					
Max. pressure	1.0MPa(145Psi)					
Proof pressure	1.5MPa(215Psi)					
Temperature range	-20~70°C					

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

AR 2000C D L ☐ ☐ 1 ☐

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

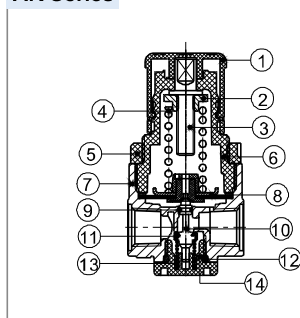
① Model	② Port size	③ Gauge port position	④ Type code	⑤ Accessories	⑥ Pressure gauge	⑦ Scale	⑧ Thread type
AR: A Series Regulator	1500C: 1/8" 2000C: 1/4"	Blank: single-sided, D: double-sided	Blank: Standard (0.9MPa) L: Lower pressure (0.4MPa)	Blank: Bracket J: No bracket	Blank: Pressure gauge[Note2] N: No pressure gauge	1: MPa 2: psi 3: bar 4: kgf/cm ² & psi	Blank: PT (Scale: Mpa or kgf/cm ² & psi) G: G(Scale: bar) T: NPT(Scale: psi)
BR: B Series Regulator	2000C: 1/4" 3000C: 3/8" 4000C10: 3/8" 4000C: 1/2"	Double-sided[Note1]					

[Note1] BFR4000C with thread on two sides of pressure gauge by default;

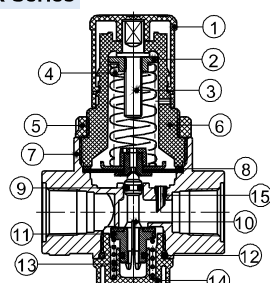
[Note2] Gauge model GS40 used on AR1500C/2000C and BR2000C/3000C/4000C10/4000C.

Inner structure

AR Series



BR Series



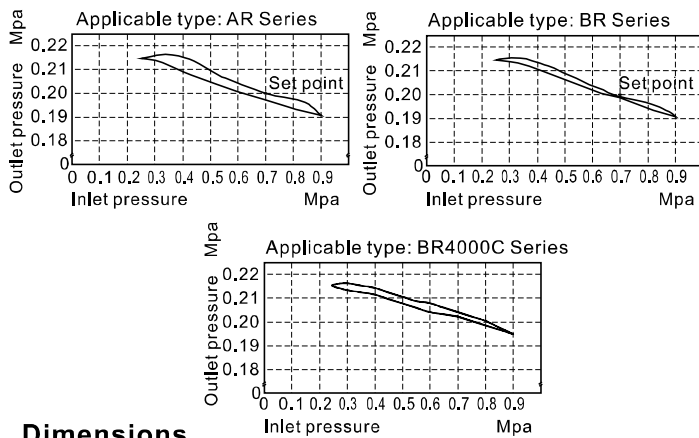
No.	Item	Material
1	Adjusting button	POM
2	Adjusting nut	Carbon steel
3	Adjusting pillar	Carbon steel
4	Adjusting spring	SWC
5	Fixed ring	POM
6	Adjusting seat	POM(Other specifications)/ PA66+Glass fiber(BFR4000C)
7	Body	Aluminum alloy
8	Diaphragm	SPCC+PA66+TPU+NBR
9	Needle O-ring	NBR
10	Balance needle	Aluminum alloy+NBR (A series) / POM(B series)
11	Needle gasket	Aluminum alloy & rubber
12	Cap O-ring	NBR
13	Return spring	Stainless steel
14	Regulator cap	POM
15	Feedback tube	POM

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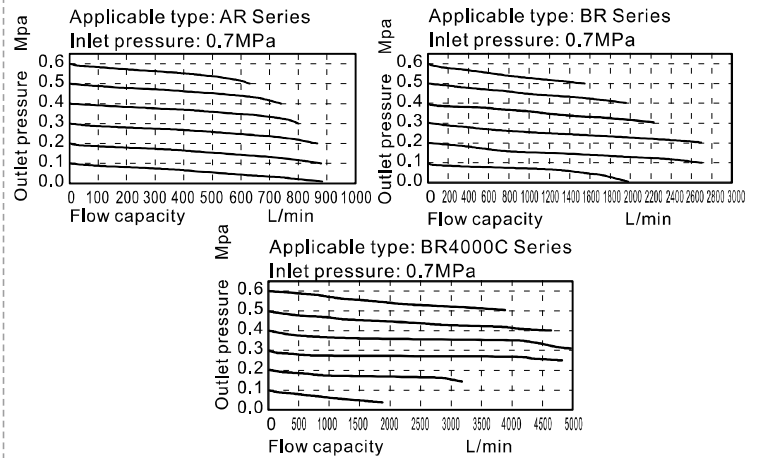
AR、BR Series Regulator

Pressure and feature of flow

Pressure chart

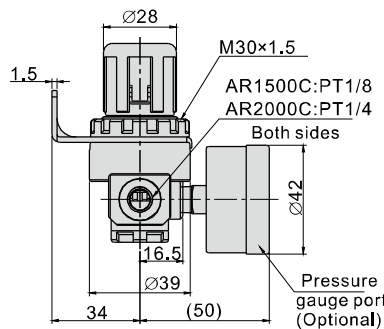
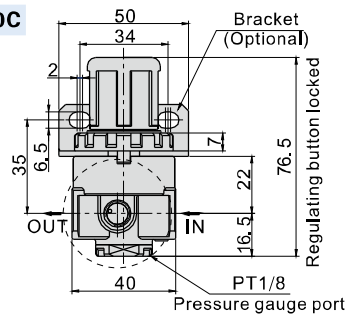


Flow chart

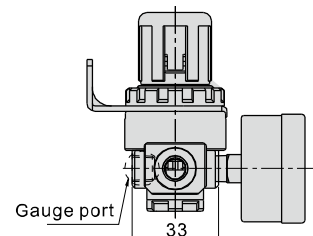


Dimensions

AR1500C/AR2000C

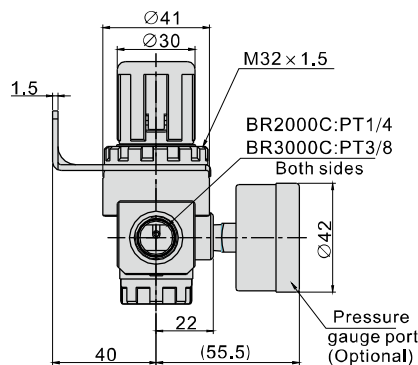
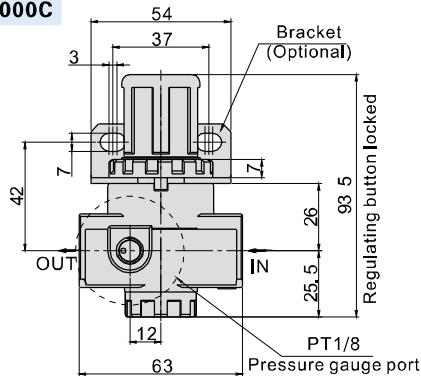


Single-sided gauge port

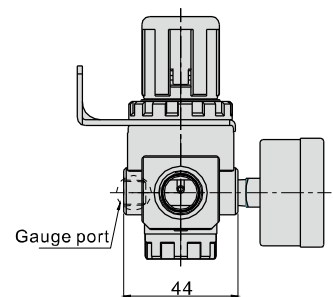


Double-sided gauge port

BR2000C/BR3000C

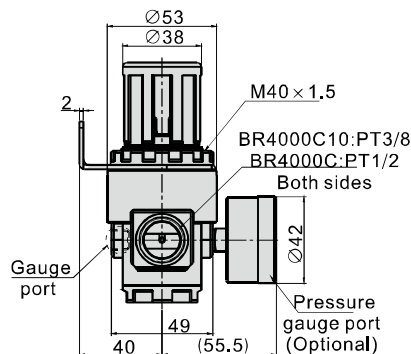
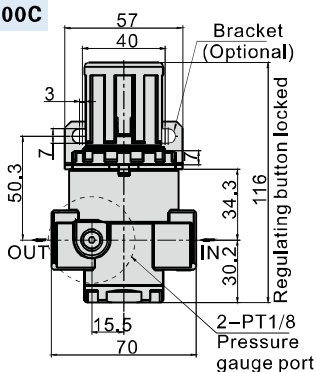


Single-sided gauge port



Double-sided gauge port

BR4000C10/BR4000C



Preparation unit——A, B Series

AL、BL Series Lubricator



Symbol



Product feature

1. The structure is delicate and compact.
2. The quantity of oil dripping can be directly observed through transparent inspection sheet.
3. BL has high-strength plastic shields, which is more safe and reliable to use.
4. The pressure loss and the flow of miststart is low.

Specification

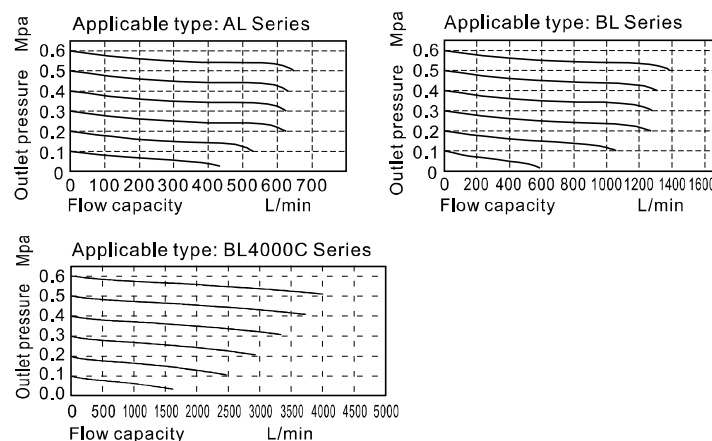
Model	AL1500C	AL2000C	BL2000C	BL3000C	BL4000C10	BL4000C
Fluid	Air					
Port size [Note1]	PT1/8	PT1/4	PT1/4	PT3/8	PT3/8	PT1/2
Pressure range	0.05~1.0MPa(7~145Psi)					
Proof pressure	1.5MPa(215Psi)					
Temperature range	-5~70°C(unfreeze)					
Capacity of oil bowl	25CC		60CC		90CC	
Recommended lubricant	ISO VG 32 or equivalent					

[Note1] PT thread, G thread and NPT thread are available.

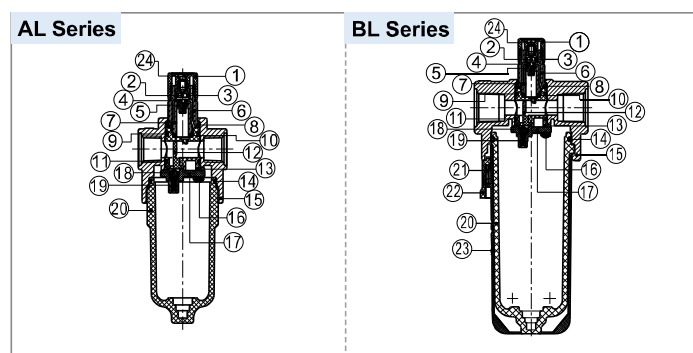
Ordering code

AL 2000C ☐		
①	②	③
① Model	② Port size	③ Thread type
AL: A Series Lubricator	1500C: 1/8" 2000C: 1/4"	Blank: PT G: G T: NPT
BL: B Series Lubricator	2000C: 1/4" 3000C: 3/8" 4000C10: 3/8" 4000C: 1/2"	

Flow chart



Inner structure



No.	Item	Material	No.	Item	Material
1	Dripper O-ring	POM	13	Lubricator kit	POM
2	Oil filling plug	Aluminum alloy	14	Oil bowl O-ring	NBR
3	Oil bowl O-ring	NBR	15	Body	Aluminum alloy
4	Needle spring	Stainless steel	16	Bolt	Carbon steel
5	Seal	NBR	17	Bottom cover	POM
6	Check-dome	PC	18	Ball	Stainless steel
7	Drip pipe	PC	19	Return spring	Stainless steel
8	Sight window seal	NBR	20	Oil bowl	PC
9	O-ring	NBR	21	Spring	Stainless steel
10	Drip pipe O-ring	NBR	22	Push button	POM
11	O-ring	NBR	23	Bowl guard	PA6+Glass fiber
12	Partition	PU	24	Fixing bolt	Carbon steel

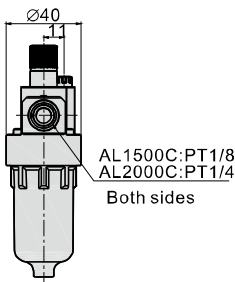
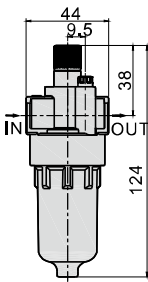
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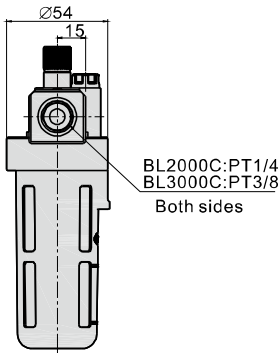
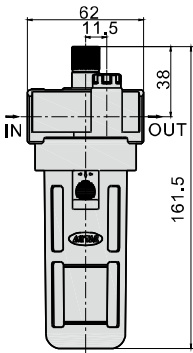
AL、BL Series Lubricator

Dimensions

AL1500C/AL2000C



BL2000C/BL3000C



BL4000C10/BL4000C

