

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 ☐

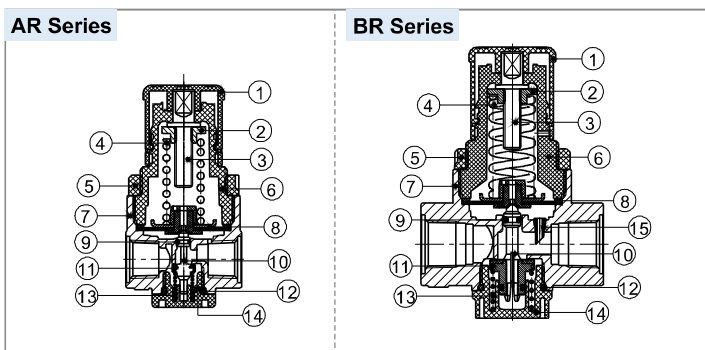
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

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"	Blank: single-sided, D: 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



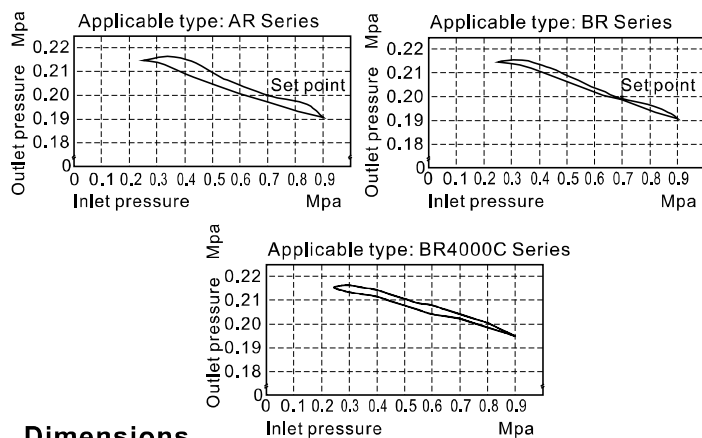
No.	Item	Material
1	Adjusting button	POM
2	Adjusting nut	Carbon steel
3	Adjusting pillar	Carbon steel
4	Adjusting spring	SWC
5	Fixed ring	POM
6	Adjusting seat	POM(Other specifications)/ PA66+Glass fiber(BFR4000C)
7	Body	Aluminum alloy
8	Diaphragm	SPCC+PA66+TPU+NBR
9	Needle O-ring	NBR
10	Balance needle	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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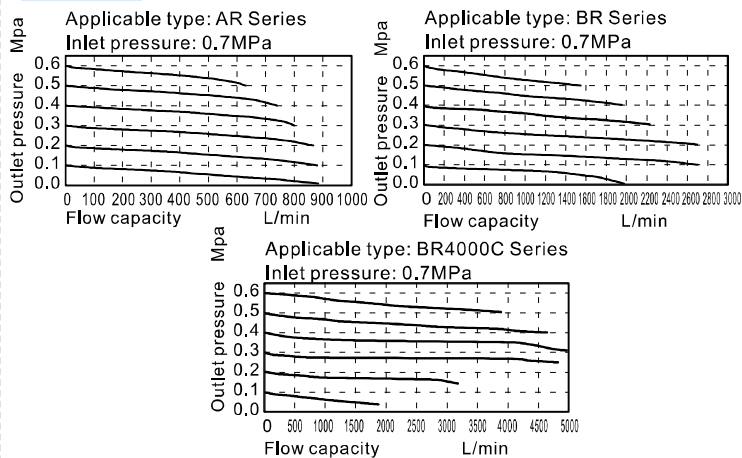
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Pressure and feature of flow

Pressure chart

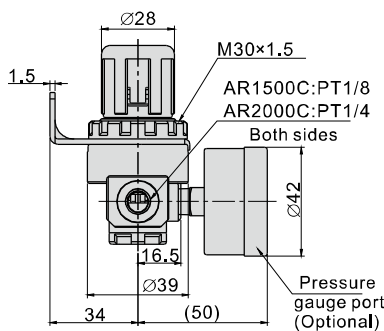
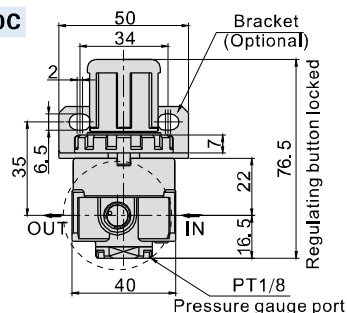


Flow chart

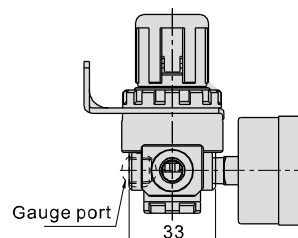


Dimensions

AR1500C/AR2000C

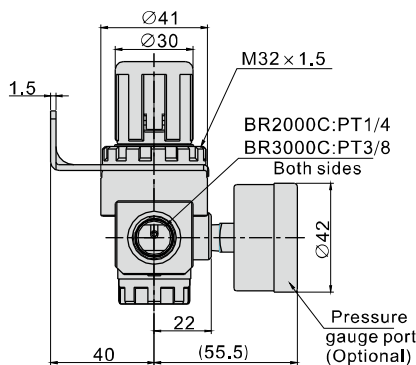
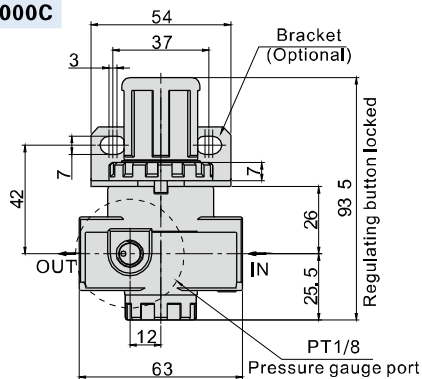


Single-sided gauge port

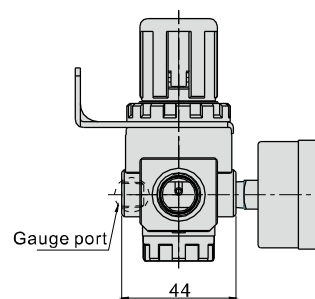


Double-sided gauge port

BR2000C/BR3000C



Single-sided gauge port



Double-sided gauge port

BR4000C10/BR4000C

