

# Preparation unit—Regulator



AR、BR Series



## Specification

Model	AR1500	AR2000	BR2000	BR3000	BR4000
Fluid	Air				
Port size	1/8"	1/4"	1/4"	3/8"	1/2"
Pressure range	0.05~0.9MPa(7~130Psi)				
Max. pressure	1.0MPa(145Psi)				
Proof pressure	1.5MPa(215Psi)				
Temperature range	-20~70°C				
Weight	200g		230g		

## Ordering code

AR 2000 L   1

- **Model**
  - AR: A Series Regulator
  - BR: B Series Regulator
- **Port size**

Series	Port size
AR	1500: 1/8"
	2000: 1/4"
BR	2000: 1/4"
	3000: 3/8"
	4000: 1/2"
- **Type code**
  - Blank: Standard(0.9MPa)
  - L: Lowerpressure(0.4MPa)
- **Accessories**
  - Blank: Bracket
  - J: No bracket
- **Thread type**

Thread type	Scale
Blank:PT	MPa or kgf/cm <sup>2</sup> & psi
T:NPT	psi
G:G	bar
- **Scale**

1: MPa
2: psi
3: bar
4: Double scale(psi, kgf/cm <sup>2</sup> )
- **Pressure gauge**
  - Blank: Pleasure gauge
  - N: No pleasure gauge

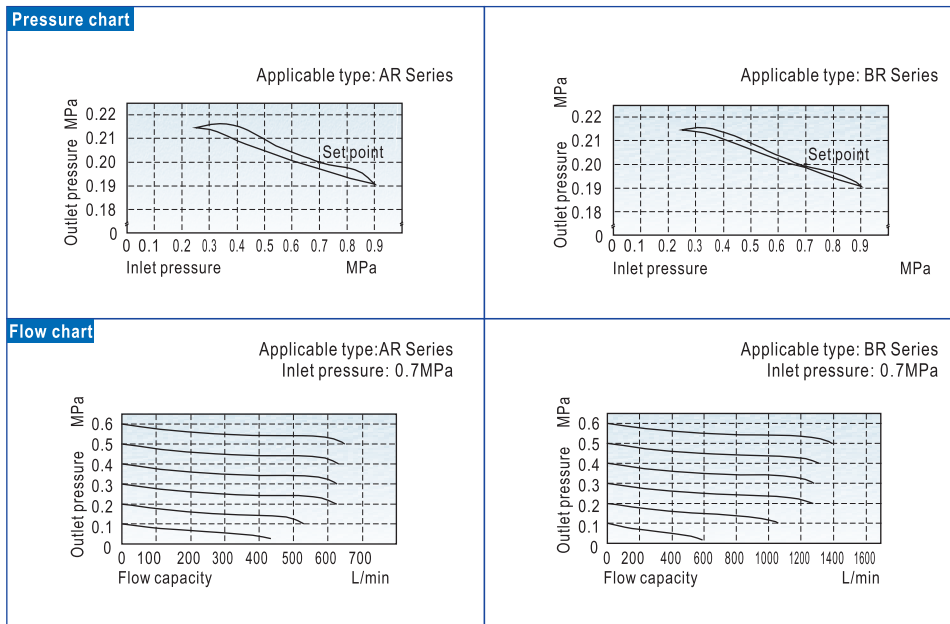
## Symbol



## 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).

## Pressure and feature of flow



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### Inner structure and material of major parts

### Dimensions



AR  
BR

**AR**

**BR**

No.	Item	Material
1	Push button	POM
2	Adjusting button	POM
3	Adjusting nut	Steel
4	Adjusting pillar	Steel
5	Adjusting spring	SWC
6	Fixed ring	POM
7	Adjusting seat	POM
8	Body	Aluminum alloy
9	Diaphragm	SUS304 & rubber
10	Needle O-ring	NBR
11	Balance needle	POM
12	Needle gasket	Aluminum alloy & rubber
13	Cap O-ring	NBR
14	Return spring	Stainless steel
15	Regulator cap	POM

**AR**

Dimensions:  $\Phi 27.5$ , M30  $\times$  1.5, AR 1500:1/8", AR 2000:1/4", Both sides,  $\Phi 42$ , 34, 40, (53), 2, 2.3, 35, 6.5, 50, 34, 7, 16.5, 21.5, 74, 2-1/8" Pressure gauge port.

**BR**

Dimensions:  $\Phi 27.5$ , M30  $\times$  1.5, BR 2000:1/4", BR 3000:3/8", BR 4000:1/2", Both sides,  $\Phi 32$ , 40, 44, (60), 7, 41, 54, 37, 7, 25.5, 86.5, 25.5, 12, 63, 2-1/4" Pressure gauge port.

