

## Preparation unit——Regulator

**AIRTAC**

### 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℃               |        |        |        |        |
| Weight            | 200g                  |        | 230g   |        |        |

#### ■ Ordering code

AR 2000 L □ P

**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: Lower pressure(0.4MPa)

**Thread type**  
P: PT  
T: NPT  
G: G

**Scale**  
Blank: MPa  
P: psi  
B: bar  
Z: Double scale(psi、kgf/cm<sup>2</sup>)



#### ■ Symbol

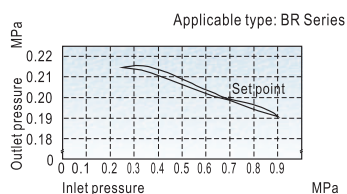
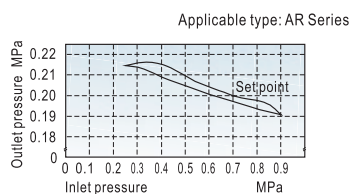


#### ■ Product feature

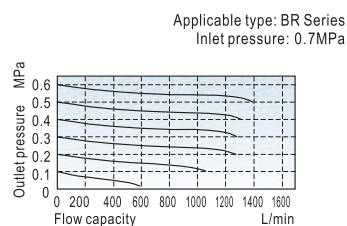
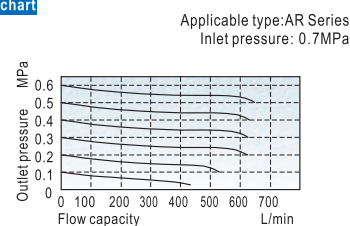
1. The structure is delicate and compact, which is convenient for installation and application.
2. The pressed-in self-locking mechanism can prevent the abnormal movement of the set pressure caused by external interfere.
3. In addition to standard type, lower pressure type is optional (The highest adjustable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

#### ■ Pressure and feature of flow

##### Pressure chart



##### Flow chart



# Preparation unit—Regulator

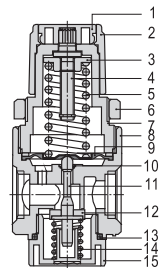
**AIRTAC**

## AR、BR Series

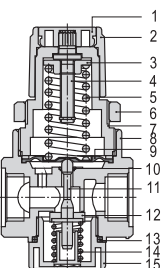
### Inner structure and material of major parts

### Dimensions

AR

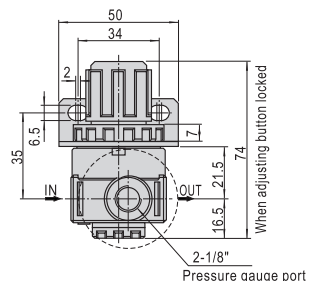
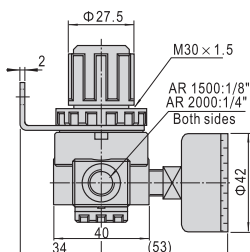


BR



| 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



BR

