



FUJIKURA COMPOSITES

Compact Precision Air Regulator Series RP2



User-friendly compact design

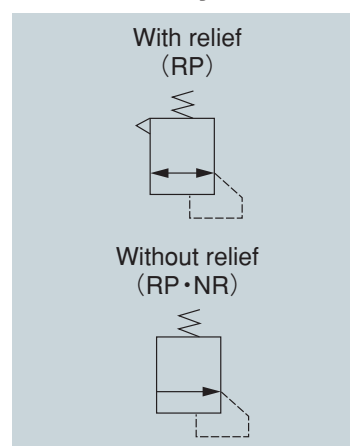
- **Compact air regulator with excellent function**
Although the size is equivalent to a miniature air regulator, this well-balanced miniature precision air regulator has a sufficient pressure characteristic required of a precision air regulator.
- **Push-lock type knob**
The push-lock type knob permits easy pressure setting.
- **Variable mounting styles**
In addition to panel mounting, this regulator can be mounted on the wall as well through a bracket.

Compliant with RoHS directives

Specifications

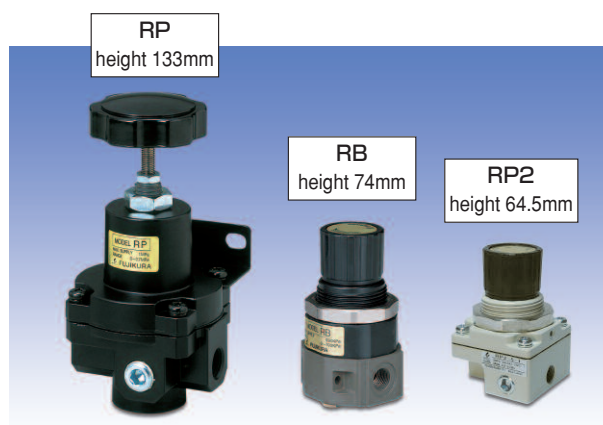
| With relief | RP2-0.5-1 | RP2-2-1 | RP2-5-1 |
|--|----------------------|------------|------------|
| Without relief | RP2·NR-0.5-1 | RP2·NR-2-1 | RP2·NR-5-1 |
| Working fluid | Compressed clean air | | |
| Set pressure range MPa | 0.01 ~ 0.05 | 0.02 ~ 0.2 | 0.02 ~ 0.5 |
| Supply pressure range MPa | 1.0 or less | | |
| Repeatability % | ±0.5 | | |
| Operating temperature °C | 5 ~ 60 | | |
| Pipe port | Rc | 1/8 | |
| Gauge port | Rc | 1/8 | |
| Filter | 150 mesh (IN port) | | |
| Recommended thickness of mounting panel mm | 1.0 ~ 2.5 | | |
| Weight kg | 0.17 | | |

JIS symbol



Model Designation

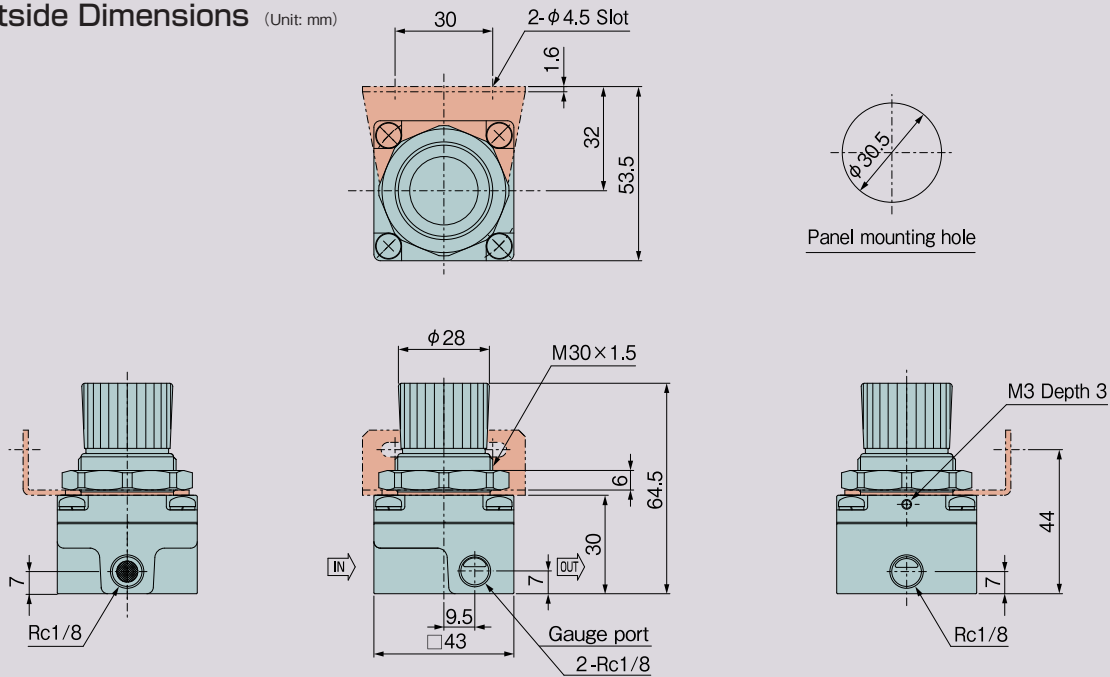
| | |
|--|------------------|
| RP2 · NR - 5 - 1 - B | |
| Relief function | Pipe port |
| None With relief | Rc 1/8 |
| NR Without relief | |
| Set pressure range | Option |
| 0.05 0.01 ~ 0.05MPa | None None |
| 0.2 0.02 ~ 0.2MPa | B Bracket |
| 0.5 0.02 ~ 0.5MPa | |



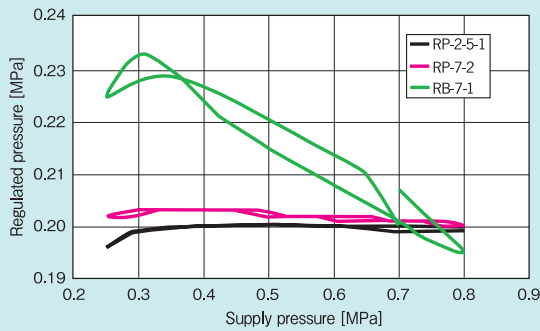
The height is half the height of RP

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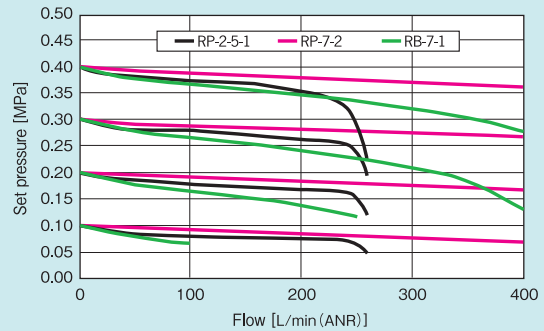
Outside Dimensions (Unit: mm)



■ Pressure Characteristic



■ Flow Characteristic



● FUJIKURA RUBBER's pneumatic equipment

- General Guide CAT. No. KS-572E
- Super Precision Air Regulators seriesRS } CAT. No. KS-128E
- Super Precision Air Relays seriesRR }
- Compac Super Precision Air Regulators RS2 CAT. No. KS-0394E
- Precision Air Regulators seriesRP CAT. No. KS-129E
- Compact Precision Air Regulators seriesRP2 CAT. No. KS-0393E
- Precision Electro-Pneumatic Transducers seriesRT CAT. No. KS-130E
- Precision Vacuum Pressure Regulators seriesRV CAT. No. KS-131E
- Miniature Precision Vacuum Pressure Regulators seriesRV2 CAT. No. KS-0305E

- Miniature Regulators seriesRA } CAT. No. KS-794E
- seriesRB }
- Thin-Type Precision Air Regulators seriesRP1 CAT. No. KS-183E
- Miniature Precision Air Regulators seriesRG1 CAT. No. KS-198E
- Relief Regulators seriesVR1 CAT. No. KS-187
- seriesFC CAT. No. KS-570-01E
- seriesSC CAT. No. KS-9137E
- seriesPC CAT. No. KS-570-02
- seriesTC CAT. No. KS-570-03
- seriesTD CAT. No. KS-0373

< General precautions >

- ① Be sure to flush the inside of the pipe before installing the regulator.
- ② Use air as the fluid.
- ③ Cover the regulator when using it in an atmosphere containing a lot of dust, moisture, or oil.
- ④ Exercise care so that excessive external force will not be applied to the product.
- ⑤ The IN side is provided with a built-in filter. However, be careful of the adhesion of foreign matter because fine matter may not be filtered out.
- ⑥ This product is to be used exclusively for pneumatic equipment. Avoid use for medical equipment.



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