



# FUJIKURA COMPOSITES

## Compact Vacuum Regulator **RV2** Series



Compact type that inherits the high performance of the RV Series

### ● Ultra-compact, lightweight vacuum regulator

This compact, low-profile regulator is space-saving. Permitting mounting directly on a panel or mounting through a bracket, the regulator is ideal for downsizing of the system.

### ● Unrivalled pressure characteristic

Inheriting the excellent pressure characteristic of the RV Series, the regulator ensures precise control of negative pressure.

### ● Energy saving by reduction in air loss

This direct-acting regulator permits pressure regulation without bleeding, reducing the energy loss and leakage.

### ● Conforming to clean room specifications

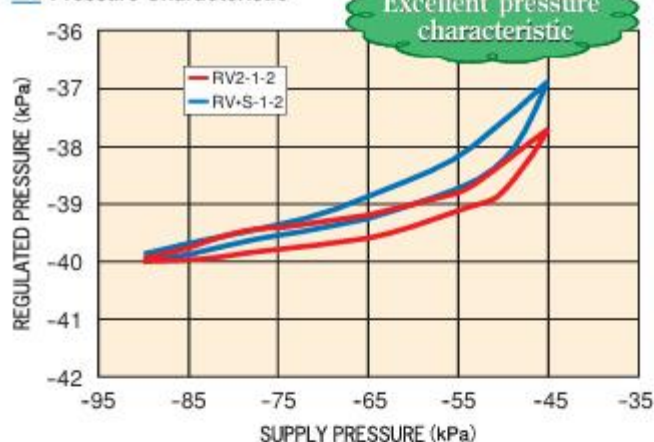
The parts other than stainless steel and rubber are electroless nickel plated. The regulator can be made to meet the clean room specifications as well.

Conformance with RoHS directives.

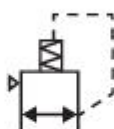
### Specifications

|                                            |                                                        |
|--------------------------------------------|--------------------------------------------------------|
| Working Fluid                              | Air (vacuum)                                           |
| Set Pressure Range kPa                     | -1.3 ~ -100                                            |
| Operating Temperature °C                   | 5 ~ 60                                                 |
| Pipe Port Rc                               | 1/4                                                    |
| Gauge Port Rc                              | 1/4                                                    |
| Rubber material                            | Fluoro rubber                                          |
| Weight g                                   | 285                                                    |
| Filter                                     | 100-mesh (OUT port)                                    |
| Body                                       | Aluminum Alloy Die-Casting<br>(Electroless Ni plating) |
| Recommended thickness of mounting panel mm | 1.0 ~ 2.5                                              |
| Bracket                                    | option                                                 |

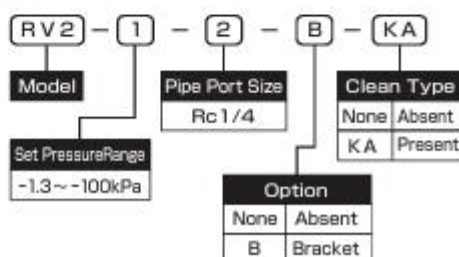
### Pressure Characteristic



■ JIS SYMBOL



### Model Designation



※ The parts cleaning method, assembling process, and packaging are different for the models made to the clean specifications.



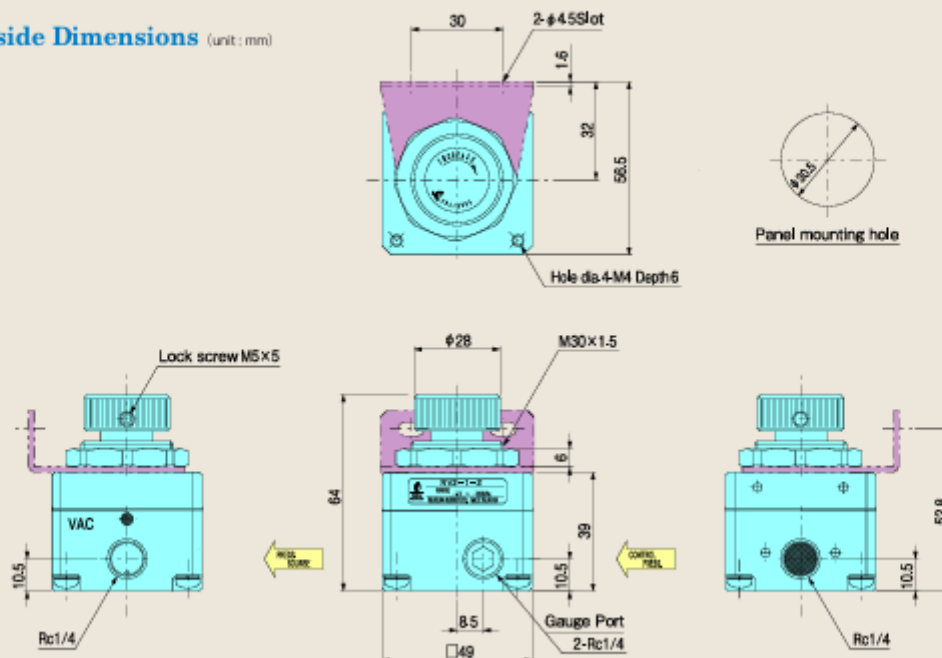
The height is half the height of RV



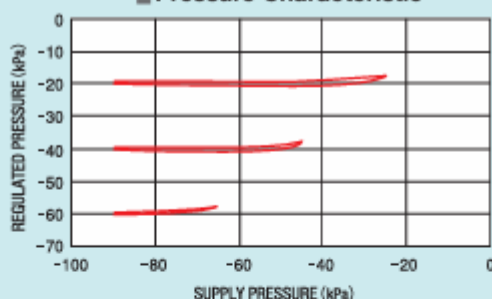
# FUJIKURA COMPOSITES

## RV2-1-2

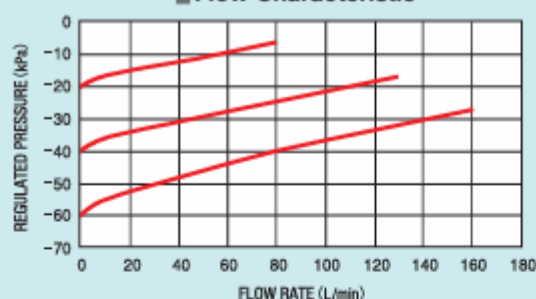
### ■ Outside Dimensions (unit: mm)



### ■ Pressure Characteristic



### ■ Flow Characteristic



### Fujikura's Pneumatic Control Products Line

|                                           |                              |
|-------------------------------------------|------------------------------|
| ■ General Guide                           | CAT. No. KS-572E             |
| ■ Super Precision Air Regulators          | Series RS } CAT.No. KS-128E  |
| ■ Super Precision Air Relays              | Series RR }                  |
| ■ Precision Air Regulators                | Series RP CAT. No. KS-129E   |
| ■ Precision Electro-Pneumatic Transducers | Series RT CAT. No. KS-130E   |
| ■ Precision Vacuum Pressure Regulators    | Series RV CAT. No. KS-131E   |
| ■ Miniature Regulators                    | Series RA } CAT. No. KS-794E |
|                                           | Series RB }                  |
| ■ Thin-Type Precision Air Regulators      | Series RP1 CAT. No. KS-183E  |
| ■ Miniature Precision Air Regulators      | Series RG1 CAT. No. KS-198E  |
| ■ Relief Regulators                       | Series VR1 CAT. No. KS-187   |
| ■ Fujikura BF Cylinder                    | Series FC CAT. No. KS-570E   |
|                                           | Series SC CAT. No. KS-9137E  |
|                                           | Series PC CAT. No. KS-570-02 |
|                                           | Series TC CAT. No. KS-570-03 |
|                                           | Series TD CAT. No. KS-0378   |

[Please request respective catalog for detailed contents of each product.]

#### < General precautions >

- ① Be sure to flush the inside of the pipe before installing the vacuum regulator.
- ② Use air (vacuum) as the fluid.
- ③ Cover the vacuum 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.

#### < Arrangement and installation of pipes >

- ① Arrange pipes so that the indication of "VAC" on the main unit side will be on the vacuum pump side. (Berakage will result when positive pressure is applied to the VAC side.)

#### < Pressure regulation >

- ① Connect a vacuum gauge to the pressure gauge connection port of the vacuum regulator for pressure regulation. Loosen the lock screw during pressure regulation.
- ② Turn the pressure regulation knob clockwise to reduce the pressure (atmospheric pressure → vacuum pressure), and turn it counterclockwise to increase the pressure (vacuum pressure → atmospheric pressure).