



FUJIKURA COMPOSITES

Compact Vacuum Regulator RV2-1-2



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

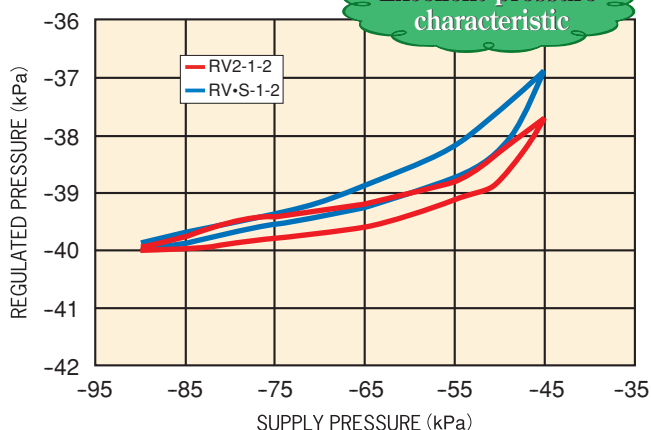
The parts other than stainless steel and rubber are electroless nickel plated. The regulator can be made to meet the clean room specifications as well.

Conformance with RoHS directives.

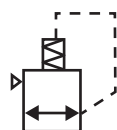
Specifications

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 (Electroless Ni plating)
Recommended thickness of mounting panel mm	1.0 ~ 2.5
Bracket	option

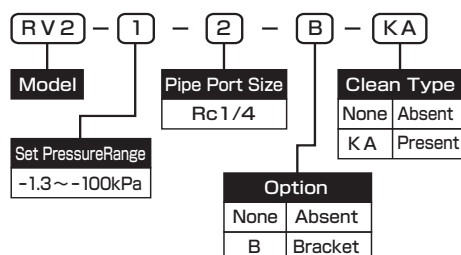
Pressure Characteristic



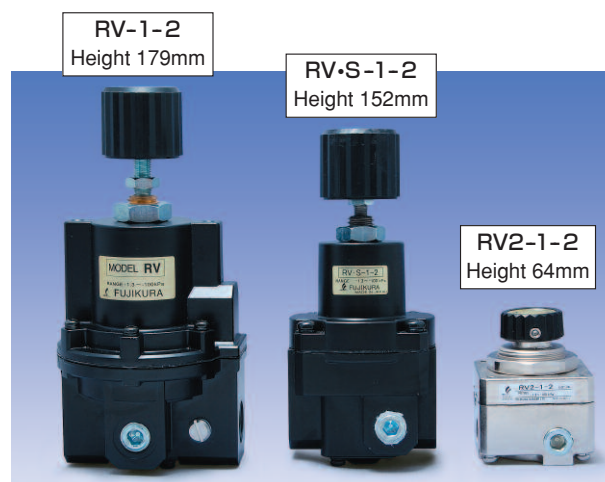
JIS SYMBOL



Model Designation



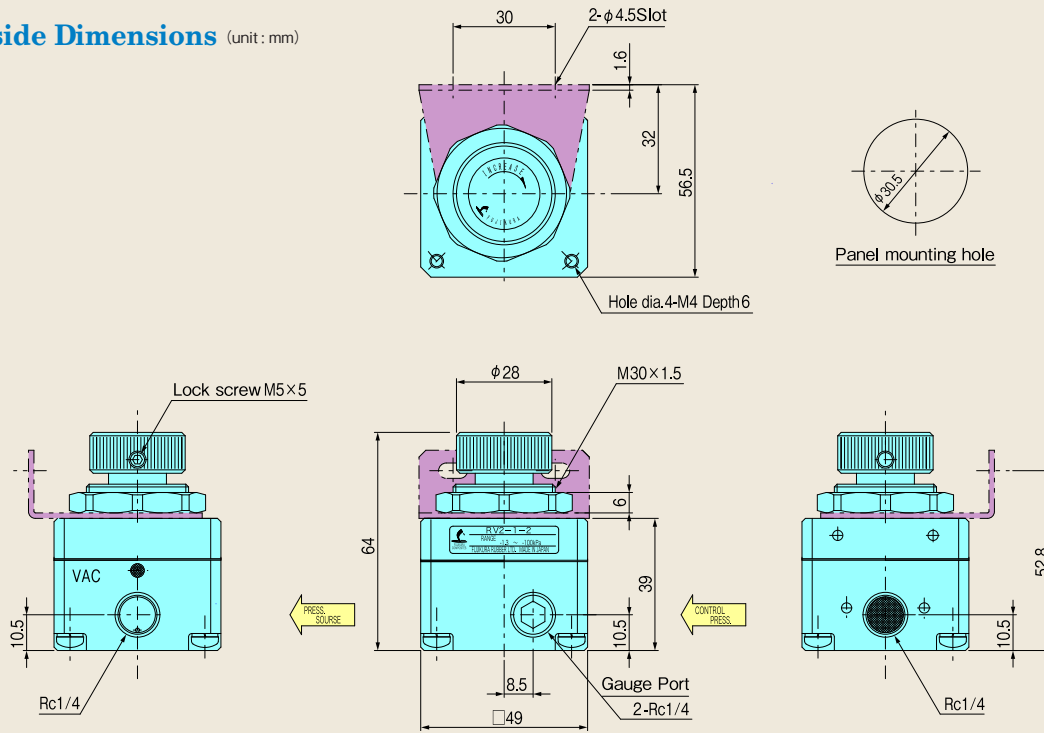
* The parts cleaning method, assembling process, and packaging are different for the models made to the clean specifications.



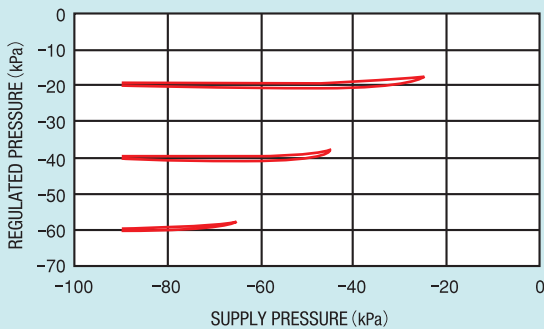
The height is half the height of RV

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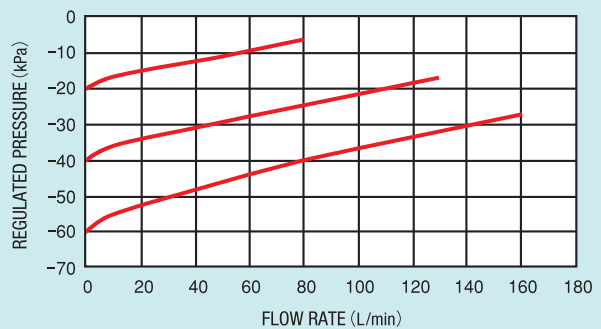
Outside Dimensions (unit: mm)



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).

FUJIKURA RUBBER LTD.

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