CAT. No. KS-794
2015.6

FUJIKURA COMPOSITES

GENERAL PURPOSE TYPE AIR REGULATOR

RA SERIES　RB SERIES

- Excellent in pressure and flow characteristics
- Figures are also available for mounting manifold

FUJIKURA RUBBER LTD.

RARB

GENERAL PURPOSE TYPE AIR REGULATOR

FEATURES

- Compact and light(130g[0.3pound])
- Figures are also available for mounting manifold
- Available for no oil specification (RA series only)
- Excellent in pressure and flow characteristics
- Repeatability ±0.3 ～ 1.0%F.S
- Push-lock type knob

RAseries SPECIFICATIONS

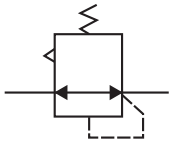
Term \ Type	Relief Type	RA-2-1	RA-4-1
	Non Relief Type	RA・NR-2-1	RA・NR-4-1
Working Fluid		Compressed Clean Air	
Set Pressure Range (MPa [psi])		0.2 Max. [29]	0.4 Max. [58]
Supply Pressure Range (MPa [psi])		1 Max. [145]	
Repeatability (%F.S)		±1.0	±0.5
Operating Temperature (℃ [°F])		5 ～ 60 [41 ～ 140]	
Pipe Port (Rc)		1/8	
Gauge Port		M5×0.8 (M5×0.03)	
Weight (kg [pound])		0.13 [0.3]	
Accessory Parts		Panel Mounting Nut,Gauge Port Plug	

RB series SPECIFICATIONS

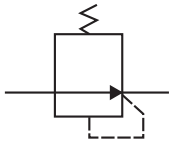
Term \ Type	Relief Type	RB-7-1	RB-7-2
	Non Relief Type	RB・NR-7-1	RB・NR-7-2
Working Fluid		Compressed Clean Air	
Set Pressure Range (MPa [psi])		0.7 Max. [102]	
Supply Pressure Range (MPa [psi])		1 Max. [145]	
Repeatability (%F.S)		Within ±0.3	
Operating Temperature (℃ [°F])		5 ～ 60 [41 ～ 140]	
Pipe Port (Rc)		1/8	1/4
Gauge Port		M5×0.8 (M5×0.03)	
Weight (kg [pound])		0.13 [0.3]	
Accessory Parts		Panel Mounting Nut,Gauge Port Plug	

〈JIS SYMBOL〉

Relief Type



Non Relief Type



〈MODEL DESIGNATION〉

RA — ( ) — 2 — 1

Relief Function	
None	Relief Type
NR	Non Relief Type

Set Pressure Range	
2	0~0.2 MPa(0~29psi)
4	0~0.4 MPa(0~58psi)

Pipe Port	
1	Rc 1/8

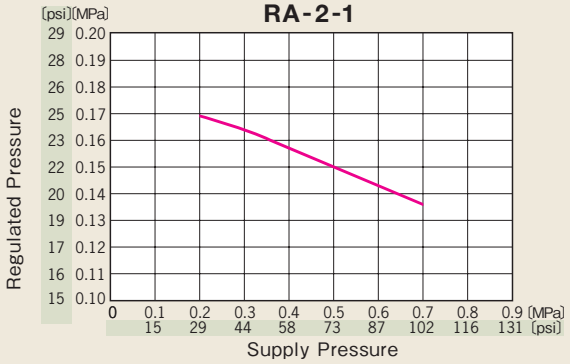
RB — ( ) — 7 — 1

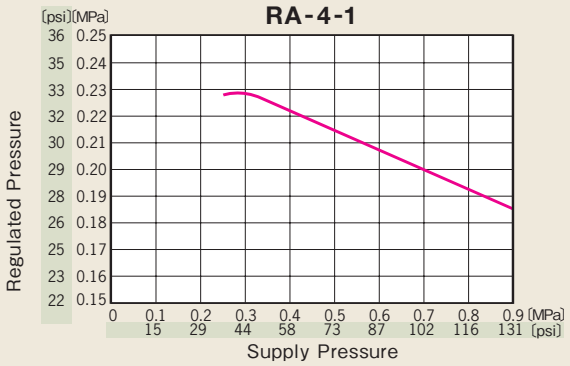
Relief Function	
None	Relief Type
NR	Non Relief Type

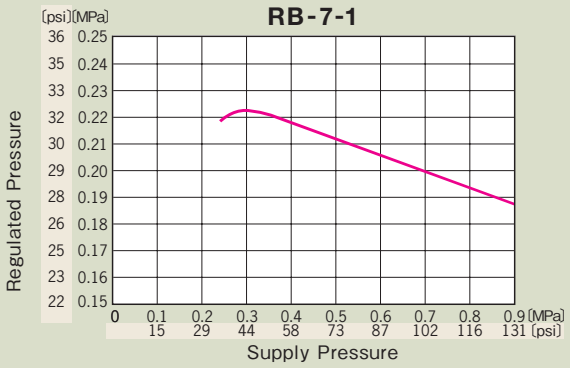
Pipe Port	
1	Rc 1/8
2	Rc 1/4

PERFORMANCES

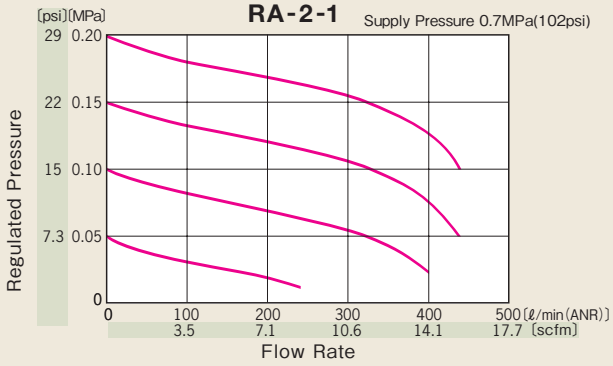
Pressure Characteristics

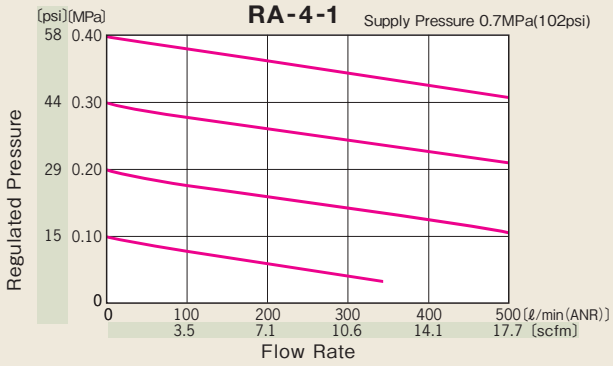


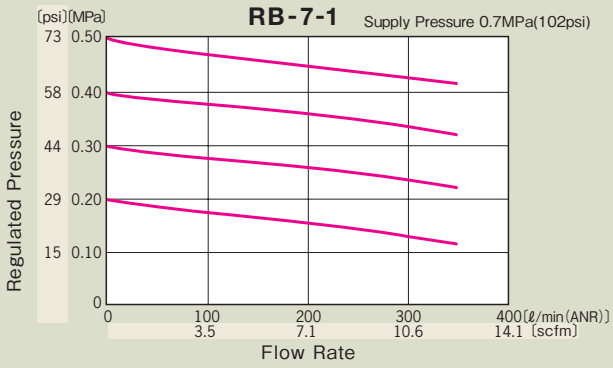




Flow Characteristics





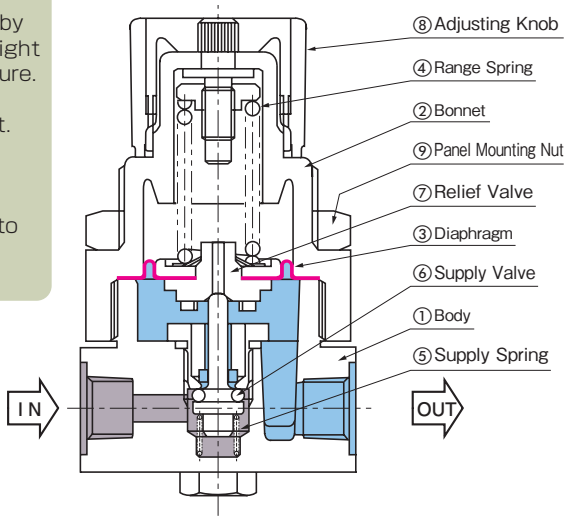


CONSTRUCTION AND MATERIALS

〈How to control pressure〉

Control pressure by turning knob to right to increase pressure.
To increase→
Turn knob to right.
To decrease→
Turn knob to left.

Please pull knob to unlock when you cannot turn knob



RA series

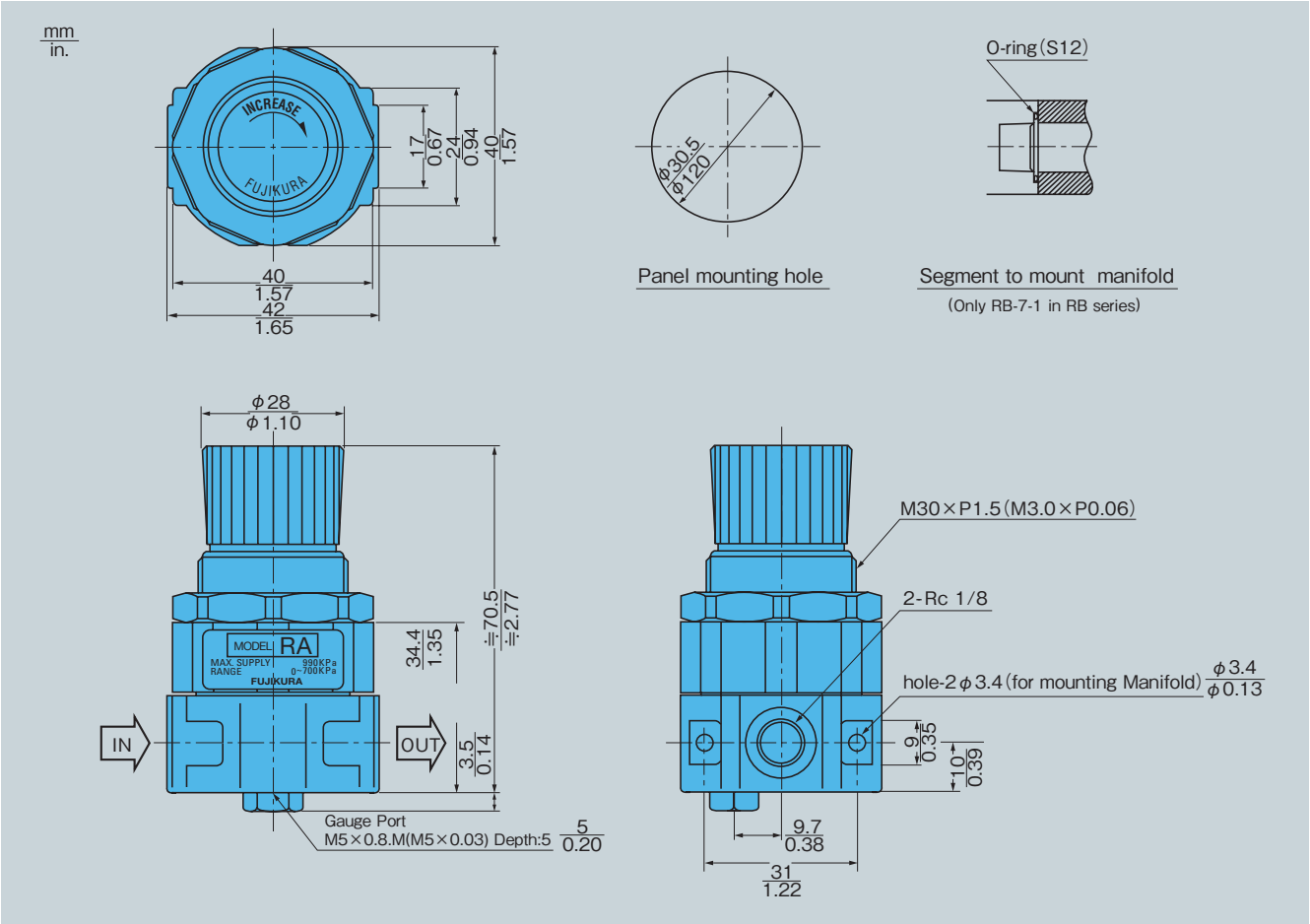
No.	Part	Materials	Remarks
①	Body	Aluminum Alloy For Diecast	Nickel Plating
②	Bonnet	Polyacetal	
③	Diaphragm	Fluororubber With Cloth	
④	Range Spring	Stainless Steel Wire	
⑤	Supply Spring	Stainless Steel Wire	
⑥	Supply Valve	Fluororubber、Stainless Steel	
⑦	Relief Valve	Polyacetal	
⑧	Adjusting Knob	Polyacetal	
⑨	Panel Mounting Nut	Zinc Diecast	Nickel Plating

RB series

No.	Part	Materials	Remarks
①	Body	Aluminum Alloy For Diecast	Special Stain Processing
②	Bonnet	Polyacetal	
③	Diaphragm	Nitrile Rubber With Cloth	
④	Range Spring	Piano Wire	Trivalent Chromate
⑤	Supply Spring	Stainless Steel Wire For Spring	
⑥	Supply Valve	Nitrile Rubber、Brass	
⑦	Relief Valve	Polyacetal	
⑧	Adjusting Knob	Polyacetal	
⑨	Panel Mounting Nut	Zinc Diecast	Nickel Plating

◎ OUTSIDE DIMENSIONS

RA/RB SERIES



⚠ CAUTION

① Use compressed clean air within the specified pressure range.(Impurities 5μm or less.)
② When a foreign object gets mixed in a pipe, it becomes the cause trouble in movement.
③ When you screw a coupling into a regulator, be careful not to get mixed with seal tape.
④ When you connect a coupling to a regulator, please be careful not to close too tight.
⑤ Please connect to the right direction.
⑥ When you attached valve inside of the regulator, the pressure of the outside may become unstable.
⑦ There is a little leak from relief-part when you use relief type.

☆If you have any question, FUJIKURA are ready to assist you. Please consult us at the address printed on the back cover.

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Note: Specifications subject to change without notice for improvement and modifications.