

Compact preset In-Line Pressure Regulator

Push-in fitting type preset pressure regulating valve

⚠ Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

RVFUP (1) **4-4** (2) **- 0.2** (3)

(1) Compact pre-set In-Line Pressure Regulator

(2) Tube dia. (øD)

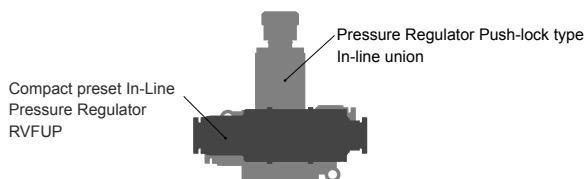
Code	mm size (mm)				inch size (inch)			
	4-4	6-6	8-8	10-10	5/32-5/32	1/4-1/4	5/16-5/16	3/8-3/8
Tube O.D.	ø4	ø6	ø8	ø10	ø5/32	ø1/4	ø5/16	ø3/8

(3) Outlet pressure presetting

Code		0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6
Outlet pressure	MPa	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6
	psi	29	36	44	51	58	65	73	80	87

Characteristics

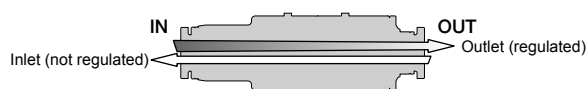
- No need to adjust the secondary pressure due to pressure pre-set.
- Tamper-proof - Prevents unwanted adjustments.
- In-line type - Standard bracket is provided as option.
- Compact body - 67% volume reduced.
(compared with RVUP type)



- Fluctuation of the outlet pressure is minimized even the inlet pressure changes.
- Free reverse flow function.

Can be used as a check regulator by installing it between solenoid valve and actuator.

* In case the pressure of inlet side is lower than outlet side, air flows to inlet side. (No relief function though)



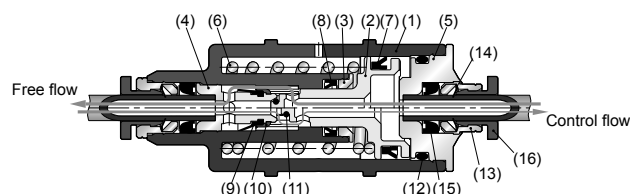
- Implementing the regulator on each actuator to save air consumption by appropriate compressed air being supplied.
- Best suitable for vacuum generator.

Specifications

Fluid medium	Air
Operating pressure range	Preset pressure to 1.0 MPa
Operating temp. range	0 to 60°C
Pressure tolerance	±25 kPa (*)

* When preset pressure +0.3MPa is supplied

Sectional drawing



No.	Parts	Material
(1)	Resin body	PBT
(2)	Piston	POM
(3)	Seal retainer	Nickel-plated brass
(4)	Valve retainer	Aluminum
(5)	Fitting body	Aluminum
(6)	Adjusting spring	Stainless steel
(7)	Y shape seal	NBR
(8)	Rod seal	NBR
(9)	Y shape seal	HNBR
(10)	Check valve retainer	PBT
(11)	O-ring	HNBR
(12)	O-ring	NBR
(13)	Guide ring	Nickel-plated brass
(14)	Lock claws	Stainless steel
(15)	Elastic sleeve	NBR
(16)	Release-ring	POM

RoHS2 (2011/65/EU+EU2015/863) compliant

Product	Model code	Product	Model code
Union RVFUP	RVFUPøD-øD-[3]	Bracket VFUH	VFUH
	RVFUP4-4-[3]		VFUH3
	RVFUP6-6-[3]		
	RVFUP8-8-[3]		
	RVFUP10-10-[3]		
	RVFUP ⁵ / ₃₂ - ⁵ / ₃₂ -[3]		
	RVFUP ¹ / ₄ - ¹ / ₄ -[3]		
	RVFUP ⁵ / ₁₆ - ⁵ / ₁₆ -[3]		
	RVFUP ³ / ₈ - ³ / ₈ -[3]		



Notes

* Release-ring color is white for inch-size products.



Packaging specifications

1 pc. /bag

■ How to fix

Use the fixing holes in the dedicated Bracket to fasten with M4 screws.
(Refer to the dimensional drawings of Bracket on PISCO website for the hole pitch.)

