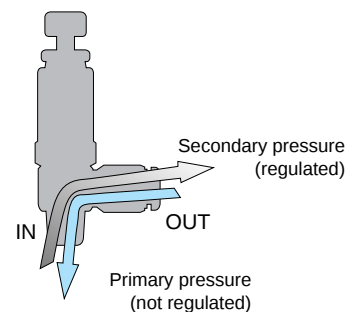


Quick Fitting Type Reducing Valve Regulator

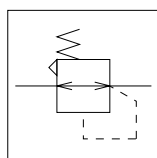
Features

- When the primary pressure is introduced from the thread side, a reduced pressure comes out from the joint side.
- The compact design with a built-in quick-fitting joint makes flexible layout possible.
- The regulator comes with a relief mechanism that facilitates adjustment of devices.
- The compact regulator with a pressure gauge is best suited for use with a manifold type solenoid valve.

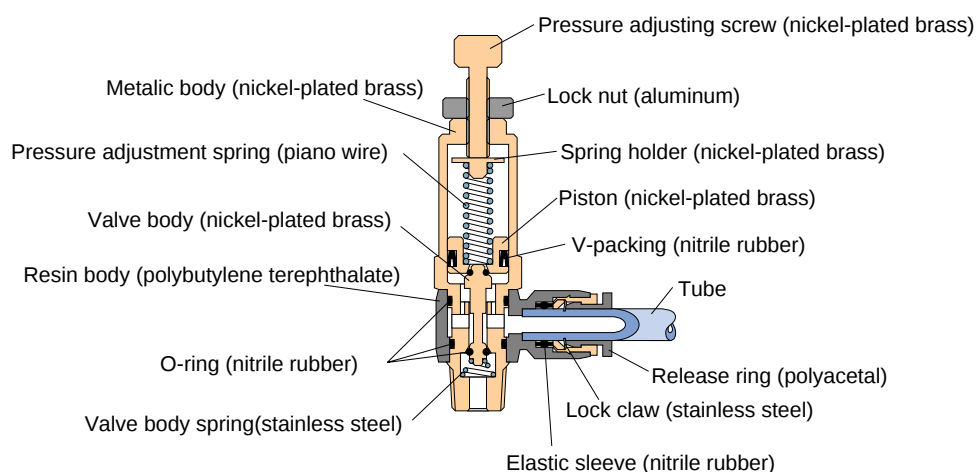
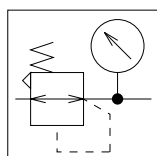


Construction

Graphical representation
of regulator



Graphical representation
of regulator with gauge



Specification

Fluid admitted	Air	
Service pressure range	0~150psi	0 ~ 0.9MPa
Pressure setting range	14.2~113.8psi	0.1 ~ 0.8MPa
Pressure indication range	0~113.8psi	0 ~ 0.8MPa
Accuracy (gauge)	±5%(Full span)	
Service temperature range	32~140°F	0 ~ 60°C

Model Designation (Example)

RVC

6

=

01

(1)Type

(2)Tube dia

Tube dia	mm Size		
Code	4	6	8
Size (mm)	φ4	φ6	φ8

Tube dia	in. Size			
Code	5/32	3/16	1/4	5/16
Size (mm)	φ5/32	φ3/16	φ1/4	φ5/16

(3)Tube, Thread size

■ Thread size

Tube dia	Metric thread	Taper pipe thread	
Code	M5	01	02
Size	M5×0.8	R1/8	R1/4

Tube dia	Unified fine thread	American standard Taper pipe thread	
Code	U10	N1	N2
Size	10-32UNF	NPT1/8	NPT1/4

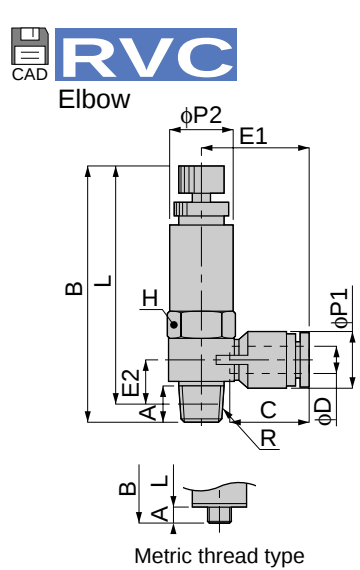
■ Tube dia

Thread size	mm Size		
Code	4	6	8
Size (mm)	φ4	φ6	φ8

(4)Hexagon flat-to-flat specification

U: Hexagon flat-to-flat inch spec. (NPT)

No code: Hexagon flat-to-flat mm spec.

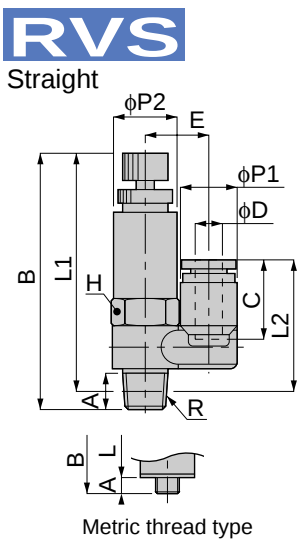


unit:mm

Model	Tube dia. φD	R	A	B		L		φP1	φP2	C	E1	E2	H	Mass (g)
				max	min	max	min							
RVC 4-M5	4	M5×0.8	3	48.5	44.5	45.5	41.5	8	10	11	15.5	7	10	16
RVC 4-01		R1/8	8	60	56	56	52	10	14	15	21.5	10.5	14	35.5
RVC 6-M5	6	M5×0.8	3	48.5	44.5	45.5	41.5	10.5	10	11.5	17.5	7.5	10	16.5
RVC 6-01		R1/8	8	60	56	56	52	12.5	14	17	23.5	10.5	14	36.5
RVC 6-02		R1/4	11	65	61	59	55		17		25.5	12	17	59
RVC 8-01	8	R1/8	8	60	56	56	52	14.5	14	18.5	27	11.5	14	38
RVC 8-02		R1/4	11	65	61	59	55		17		28.5	13	17	60

1

2

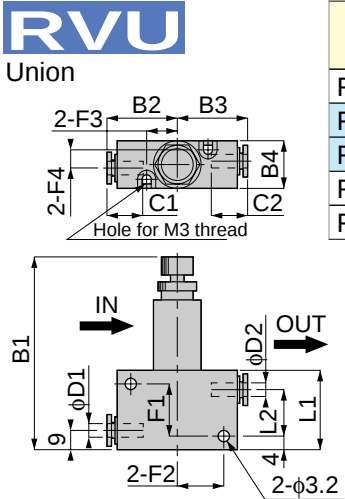


unit:mm

Model	Tube dia. φD	R	A	B		L1		L2	φP1	φP2	C	E	H	Mass (g)
				max	min	max	min							
RVS 4-M5	4	M5×0.8	3	48.5	44.5	45.5	41.5	24	10	10	15	10.5	10	18
RVS 4-01		R1/8	8	60	56	56	52	28.5		14		13	14	36.5
RVS 6-M5	6	M5×0.8	3	48.5	44.5	45.5	41.5	26.5	12.5	10	17	12	10	18.5
RVS 6-01		R1/8	8	60	56	56	52	31		14		14	14	37.5
RVS 6-02		R1/4	11	65	61	59	55	32	17	17	17	60.5		
RVS 8-01	8	R1/8	8	60	56	56	52	32	14.5	14	18.5	15	14	39
RVS 8-02		R1/4	11	65	61	59	55	33.5		17		18	17	61.5

1

2



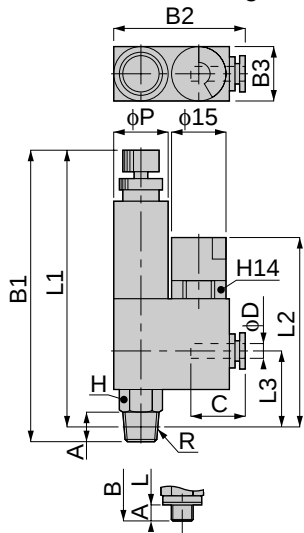
unit:mm

Model	Tube dia. φD1	Tube dia. φD2	B1		B2	B3	B4	L1	L2	C1	C2	F1	F2	F3	F4	Mass (g)
			max	min												
RVU 4-4	4	4	63	59	22	22	15	25	15	11.5	11.5	17	15	10	4.5	35.5
RVU 6-4	6	4	63	59	22.5	22	15	25	15	12	11.5	17	15	10	4.5	35.5
RVU 6-6		6									12					
RVU 8-6	8	6	67.5	63.5	28.5	28.5	19	29	17	18.5	17.5	21	19.5	11.5	6.5	60
RVU 8-8		8									18.5					60.5



RVCM

Elbow Mounted Gauge



Metric thread type

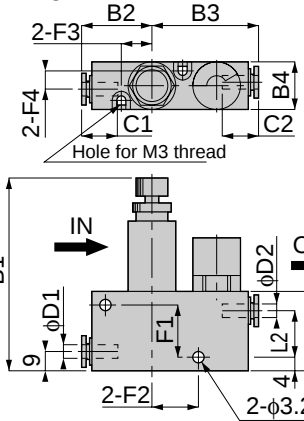
unit:mm

Model	Tube dia. ϕD	R	A	B1		B2	B3	L1		L2	L3	ϕP	C	H	Mass (g)
				max	min			max	min						
RVCM 4-M5	4	M5×0.8	3	57.5	53.5	27.5	15	54.5	50.5	42.5	12.5	11	11	8	27.5
RVCM 4-01		R1/8	8	81.5	77.5	36		77.5	73.5	51.5	18.5	15	15	12	54.5
RVCM 6-M5	6	M5×0.8	3	57.5	53.5	28	15	54.5	50.5	42.5	12.5	11	11.5	8	27.5
RVCM 6-01		R1/8	8	81.5	77.5	36.5		77.5	73.5	51.5	18.5	15	17	12	54.5
RVCM 6-02		R1/4	11	89.5	85.5	39.5		83.5	79.5	57	22.5	19		16	83.5
RVCM 8-01	8	R1/8	8	81.5	77.5	36.5	15	77.5	73.5	51.5	18.5	15	18	12	55
RVCM 8-02		R1/4	11	89.5	85.5	39.5	19	83.5	79.5	57	22.5	19		16	83.5



RVUM

Gauge Union



unit:mm

Model	Tube dia. ϕD1	Tube dia. ϕD2	B1		B2	B3	B4	L1	L2	C1	C2	F1	F2	F3	F4	Mass (g)
			max	min												
RVUM 4-4	4	4	63	59	22	33	15	25	15	11.5	11.5	17	15	10	4.5	47.5
RVUM 6-4	6	4	63	59	22.5	33	15	25	15	12	11.5	17	15	10	4.5	47.5
RVUM 6-6		6									12					
RVUM 8-6	8	6	67.5	63.5	28.5	40.5	19	29	17	18.5	17.5	21	19.5	11.5	6.5	73
RVUM 8-8		8									18.5					

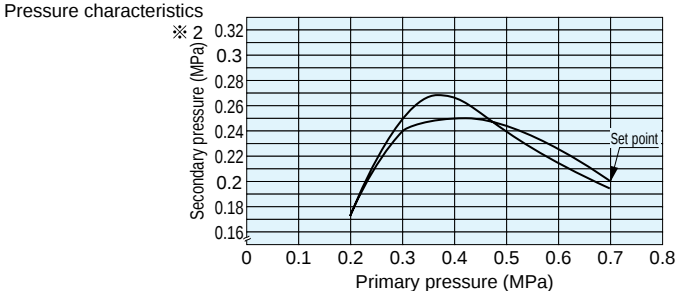
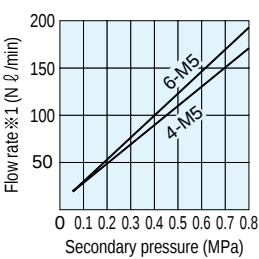
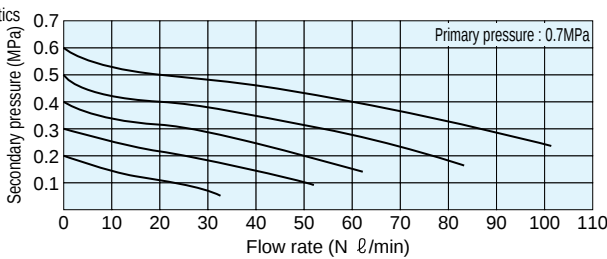


Flow characteristics

Straight type

RVC 4-M5
6-M5

RVS 4-M5
6-M5



※1. Flow from secondary to primary.
※2. Primary pressure varies from 0.7 to 0.2 to 0.7 Mpa.

Regulator

Characteristics

- The regulator comes with a direct mounting type pressure gauge (compact).
- The special scale of the pressure gauge can be read not only from front but also from other directions.
- The push lock type handle makes installation possible without resorting to any tool.

Regulator Specifications

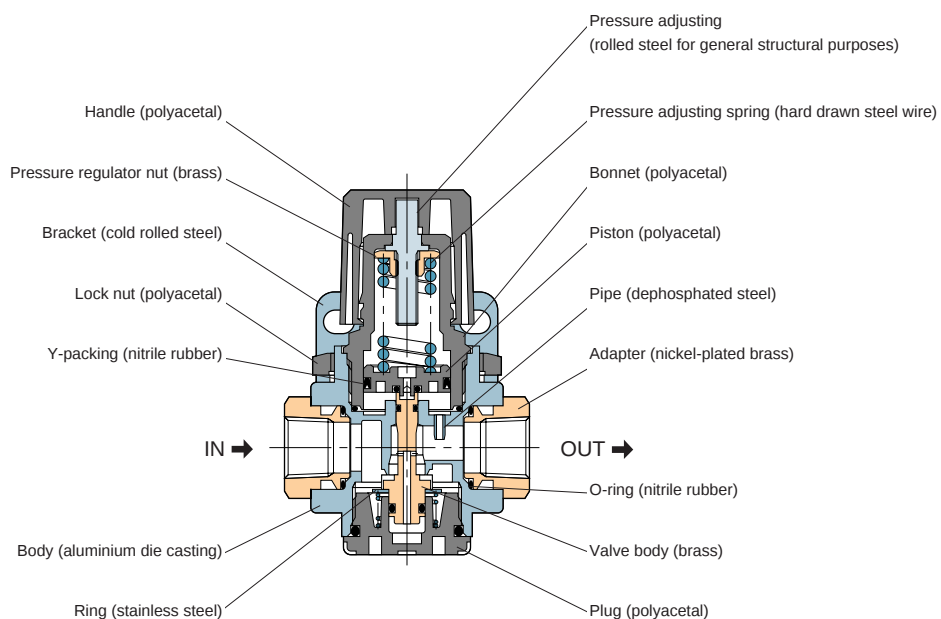
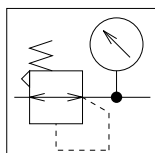
Type	RVF 300-□	
Connection bore	Rc1/4(02)	Rc3/8(03)
Fluid admitted	Air	
Max. Operating pressure	145psi (1MPa)	
Pressure setting range	7.25~123.25psi (0.05~0.85MPa)	
Proof pressure	174psi (1.2MPa)	
Service temperature range	41~122°F (5~50°C)	

Pressure Gauge Specifications

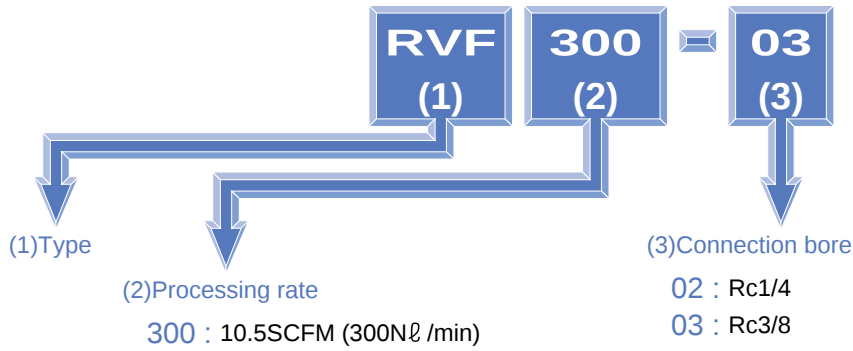
Type	GK 46-B20
Fluid admitted	Air
Indicated pressure range	0~145psi (0~1MPa)
Accuracy (full scale)	±5%F.S

Construction

Symbol for regulator with gauge

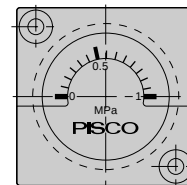
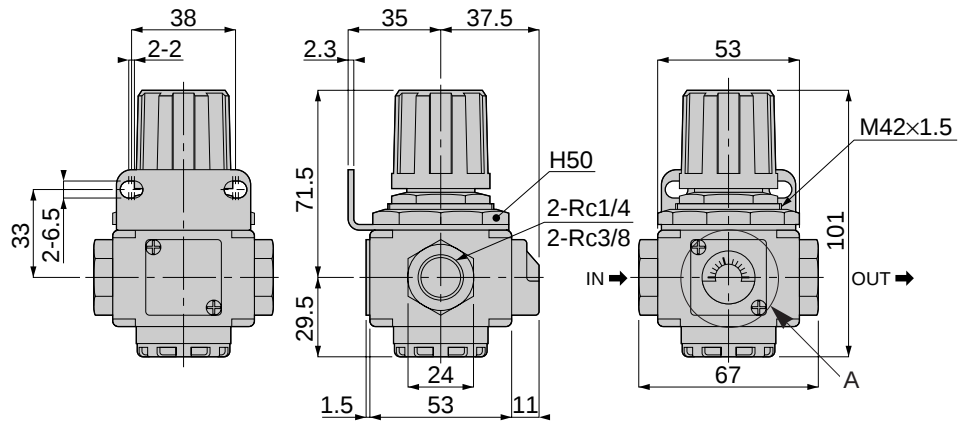


Model Designation (Example)



RVF

Regulator



A part enlarged drawing

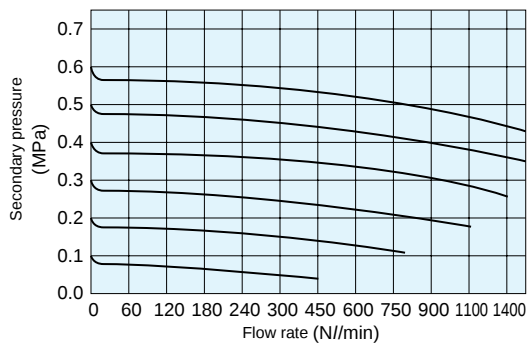
Unit: mm

Model	Weight(g)	
	(*) 02	(*) 03
RVF 300-□	465.5	444.5

(*) Connection bore

Characteristics

Flow characteristics



Pressure characteristics

