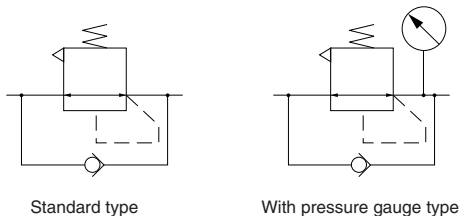


REGULATORS WITH QUICK FITTINGS

Standard Type Pressure Gauge Type

- Reduce media pressure, and supply media from the fitting port.
- Convenient built-in quick fittings offer compact design.
- Also available with pressure gauge for quick pressure confirmation.

Symbols

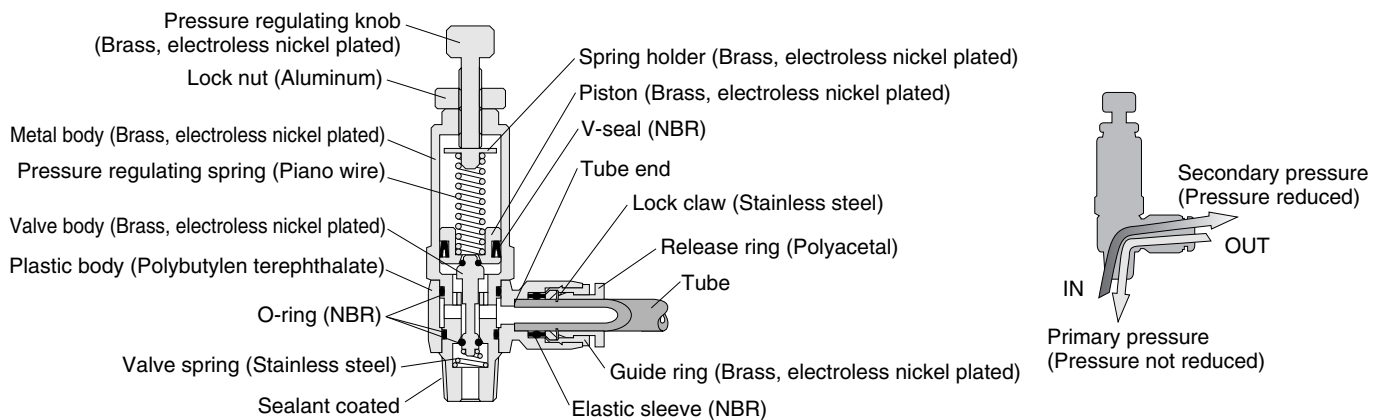


Specifications

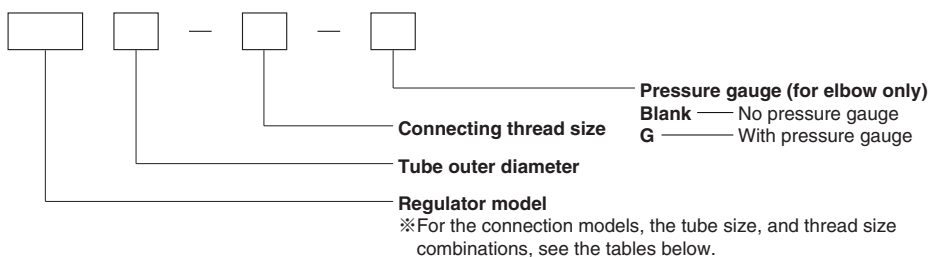
Media	Air
Operating pressure range	0~0.9MPa [0~131psi.]
Pressure setting range	0.1~0.8MPa [14.5~116psi.]
Indication pressure range	0~0.8MPa [0~116psi.]
Accuracy (Pressure gauge)	±5% (full-scale)
Operating temperature range	0~60°C [32~140°F]
Recommended tube	Nylon tube, urethane tube
Sales unit	1 pc.

Remark: Supplied with a gasket or sealant coated.

Inner Construction, Major Parts and Materials



Order Codes



● For the NCU specification, see p.464.

● RTS Straight 458



Tube size	Thread size		
	M5×0.8	R1/8	R1/4
4	M5	01	—
6	M5	01	02
8	—	01	02

● RTL Elbow 458



Tube size	Thread size		
	M5×0.8	R1/8	R1/4
4	M5	01	—
6	M5	01	02
8	—	01	02

● RTL-G

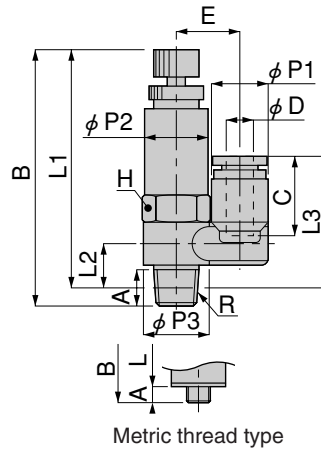
Elbow with pressure gauge 459



Tube size	Thread size		
	M5×0.8	R1/8	R1/4
4	M5	01	—
6	M5	01	02
8	—	01	02

Dimensions (mm)

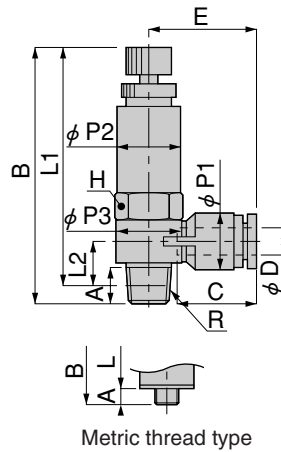
Straight RTS



Model	Tube outer diameter ϕD	R	A	B		L1 ^{Note}		L2 ^{Note}	L3 ^{Note}	$\phi P1$	$\phi P2$	$\phi P3$	C	E	Width across flats H	Mass (g) [oz.]
				MAX	MIN	MAX	MIN									
RTS4-M5	4	M5X0.8	2.9	48.7	44.6	45.8	41.7	7.7	24.8	10.2	10	9.8	14.9	10.5	10	18 [0.63]
RTS4-01		R1/8	7.8	60	56	56	52	10.7	28.7		14	14.4		13	14	37 [1.31]
RTS6-M5	6	M5X0.8	2.9	48.7	44.6	45.8	41.7	7.7	26.9	12.6	10	9.8	17	12.2	10	18 [0.63]
RTS6-01		R1/8	7.8	60	56	56	52	10.7	30.8		14	14.4		14.2	14	38 [1.34]
RTS6-02		R1/4	11.3	64.8	60.8	58.8	54.8	12	32.1		17	18.4		17.2	17	60 [2.12]
RTS8-01	8	R1/8	7.8	60	56	56	52	10.7	32.2	14.6	14	14.4	18.1	15.2	14	39 [1.38]
RTS8-02		R1/4	11.3	64.8	60.8	58.8	54.8	12	33.6		17	18.4		18.2	17	62 [2.19]

Note: The L1, L2 and L3 dimensions for the taper thread type are the reference dimensions after the fittings are assembled.

Elbow RTL

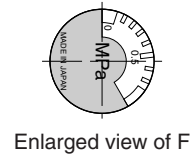
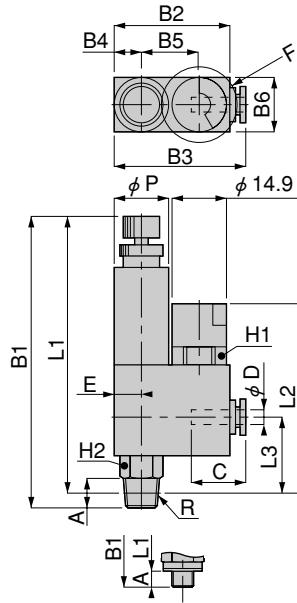


Model	Tube outer diameter ϕD	R	A	B		L1 ^{Note}		L2 ^{Note}	$\phi P1$	$\phi P2$	$\phi P3$	C	E	Width across flats H	Mass (g) [oz.]
				MAX	MIN	MAX	MIN								
RTL4-M5	4	M5X0.8	2.9	48.7	44.6	45.8	41.7	7.6	8	10	9.8	11	15.4	10	16 [0.56]
RTL4-01		R1/8	7.8	60	56	56	52	10.5	10	14	14.4	14.9	21.4	14	36 [1.27]
RTL6-M5	6	M5X0.8	2.9	48.7	44.6	45.8	41.7	8.4	10.5	10	9.8	11.6	17.5	10	16 [0.56]
RTL6-01		R1/8	7.8	60	56	56	52	10.7	12.4	14	14.4	17	23.5	14	36 [1.27]
RTL6-02		R1/4	11.3	64.8	60.8	58.8	54.8	12.2		17	18.4		25.5	17	59 [2.08]
RTL8-01	8	R1/8	7.8	60	56	56	52	11.7	14.4	14	14.4	18.1	26.9	14	38 [1.34]
RTL8-02		R1/4	11.3	64.8	60.8	58.8	54.8	13.2		17	18.4		28.4	17	60 [2.12]

Note: The L1 and L2 dimensions for the taper thread type are the reference dimensions after the fittings are assembled.

Dimensions (mm)

Elbow with pressure gauge RTL-G



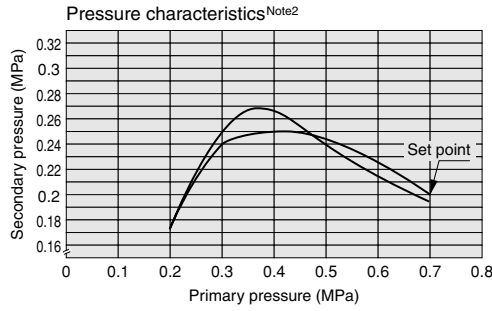
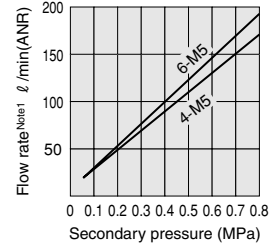
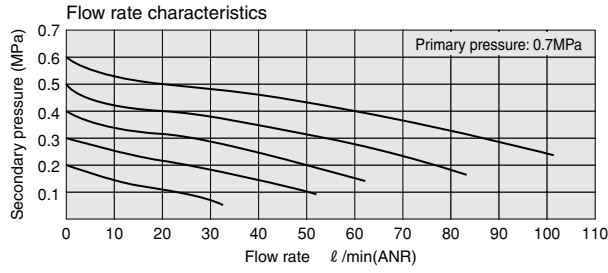
Metric thread type

Model	Tube outer diameter ϕ D	R	A	B1		B2	B3	B4	B5	B6	L1 ^{Note}		L2 ^{Note}	L3 ^{Note}	C	E	ϕ P	Width across flats H1	Width across flats H2	Mass (g) [oz.]	
				MAX	MIN						MAX	MIN									
RTL4-M5-G	4	M5X0.8	3	60.6	56.6	24.8	27.4	5.8	13.7	15.1	57.6	53.6	42.8	11.8	11	4.7	11	14	8	28 [0.99]	
RTL4-01-G		R1/8	7.8	81.8	77.4	32	36.2	7.8	15.8	15	77.8	73.4	51.6	18.6	15.9	7.3	15.2			12	55 [1.94]
RTL6-M5-G	6	M5X0.8	3	60.6	56.6	24.8	27.8	5.8	13.7	15.1	57.6	53.6	42.8	11.8	11.6	4.7	11	14	8	28 [0.99]	
RTL6-01-G		R1/8	7.8	81.8	77.4	32	36.8	7.8	15.8	15	77.8	73.4	51.6	18.6						17	7.3
RTL6-02-G		R1/4	11.3	90	85.7	35.1	39.9	9.9	17.7	19.1	84	79.7	57.3	22.8	8.7	19.1	16				
RTL8-01-G	8	R1/8	7.8	81.8	77.4	32	36.7	7.8	15.8	15	77.8	73.4	51.6	18.6	18.1	7.3	15.2	14	12	56 [1.98]	
RTL8-02-G		R1/4	11.3	90	85.7	35.1	39.8	9.9	17.7	19.1	84	79.7	57.3	22.8						8.7	19.1

Note: The L1, L2 and L3 dimensions for the taper thread type are the reference dimensions after the fittings are assembled.

Flow Rate Characteristics, Pressure Characteristics (Straight, Elbow)

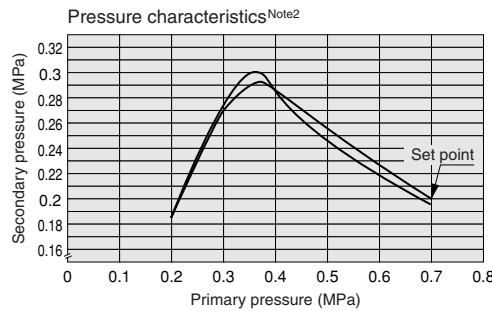
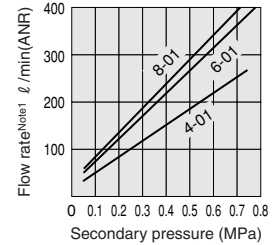
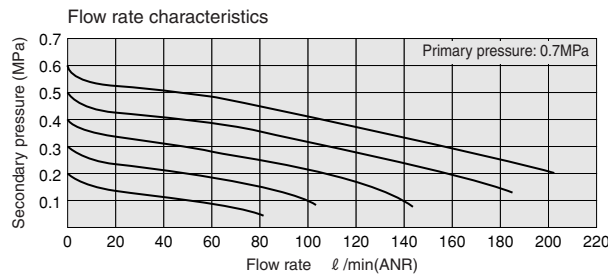
RTS4-M5 RTL4-M5
 RTS6-M5 RTL6-M5



Notes: 1. Flow rate comes from secondary to primary pressure flow.
 2. Primary pressure changes from 0.7MPa to 0.2MPa to 0.7MPa.

1MPa = 145psi. 1 l/min = 0.0353ft³/min.

RTS4-01 RTL4-01
 RTS6-01 RTL6-01
 RTS8-01 RTL8-01

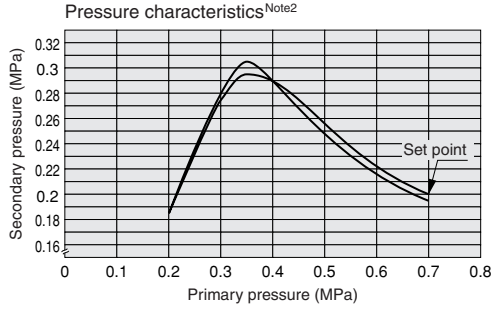
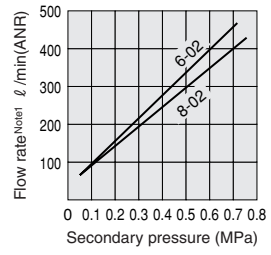
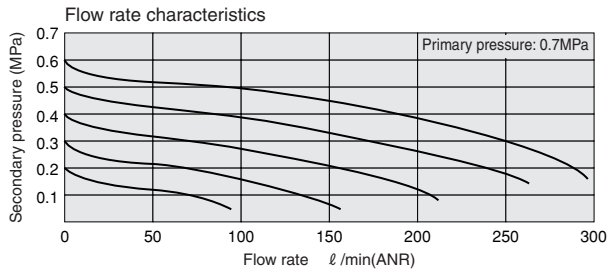


Notes: 1. Flow rate comes from secondary to primary pressure flow.
 2. Primary pressure changes from 0.7MPa to 0.2MPa to 0.7MPa.

1MPa = 145psi. 1 l/min = 0.0353ft³/min.

Flow Rate Characteristics, Pressure Characteristics (Straight, Elbow)

RTS6-02 RTL6-02
 RTS8-02 RTL8-02

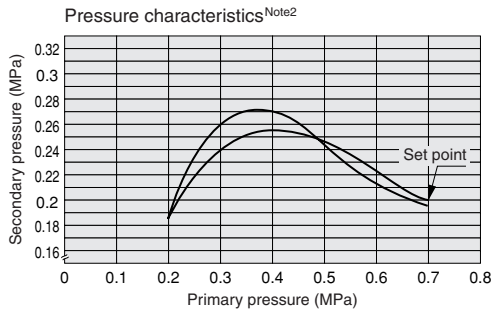
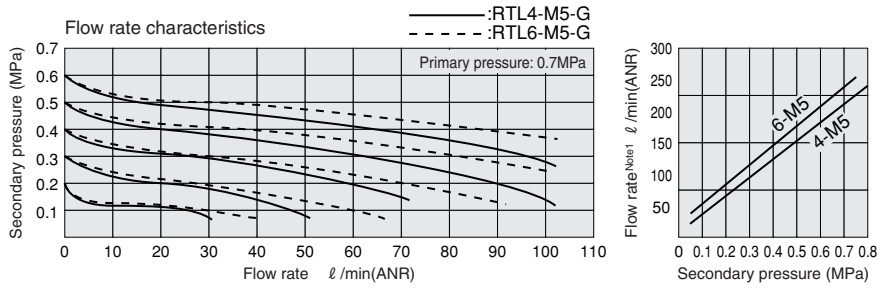


Notes: 1. Flow rate comes from secondary to primary pressure flow.
 2. Primary pressure changes from 0.7MPa to 0.2MPa to 0.7MPa.

1MPa = 145psi. 11 ℓ /min = 0.0353ft³/min.

Flow Rate Characteristics, Pressure Characteristics (Elbow with Pressure Gauge)

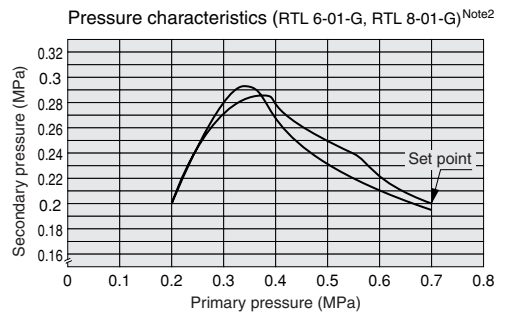
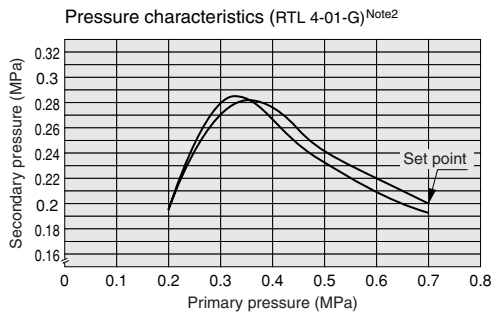
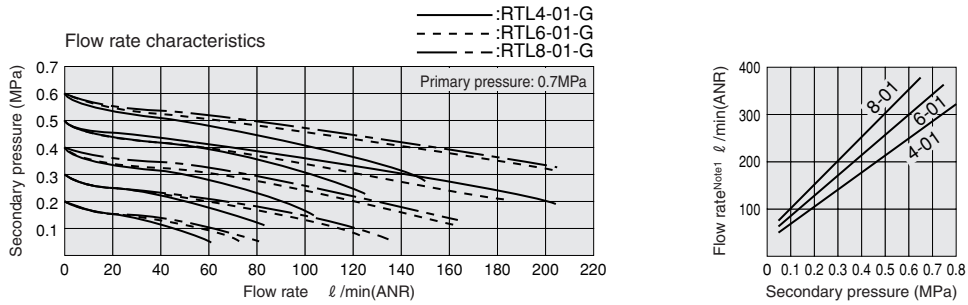
RTL4-M5-G RTL6-M5-G



Notes: 1. Flow rate comes from secondary to primary pressure flow.
 2. Primary pressure changes from 0.7MPa to 0.2MPa to 0.7MPa.

1MPa = 145psi. 1 l/min = 0.0353ft³/min.

RTL4-01-G RTL6-01-G RTL8-01-G

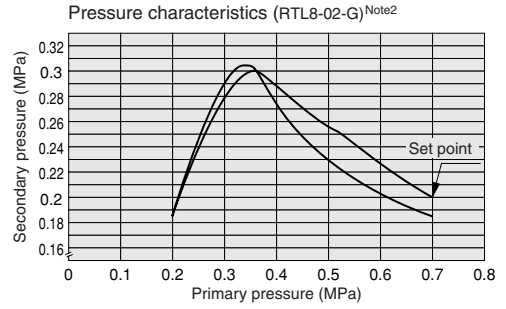
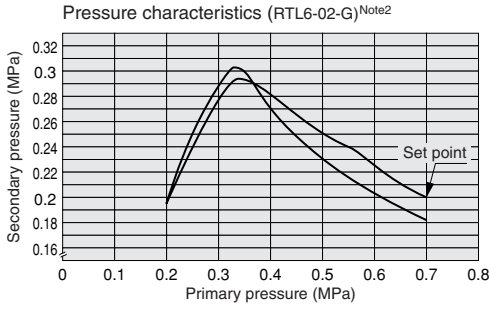
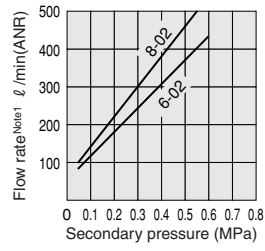
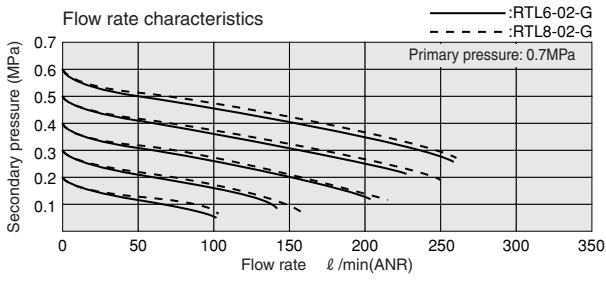


Notes: 1. Flow rate comes from secondary to primary pressure flow.
 2. Primary pressure changes from 0.7MPa to 0.2MPa to 0.7MPa.

1MPa = 145psi. 1 l/min = 0.0353ft³/min.

Flow Rate Characteristics, Pressure Characteristics (Elbow with Pressure Gauge)

RTL6-02-G
RTL8-02-G



Notes: 1. Flow rate comes from secondary to primary pressure flow.
2. Primary pressure changes from 0.7MPa to 0.2MPa to 0.7MPa.

1MPa = 145psi. 1 ℓ/min = 0.0353ft.³/min.