Regulator / Quick Exhaust Valves

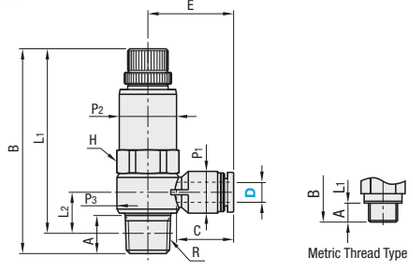
Elbow / Unions / Elbow with Gauge / Unions with Gauge

■Elbow

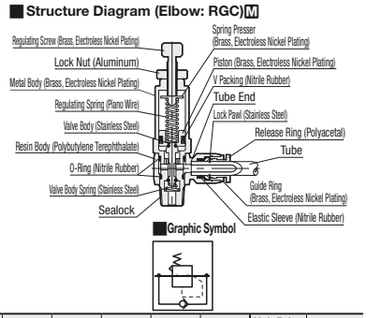


RoHS

RGC



■Structure Diagram (Elbow: RGC)M



■Graphic Symbol

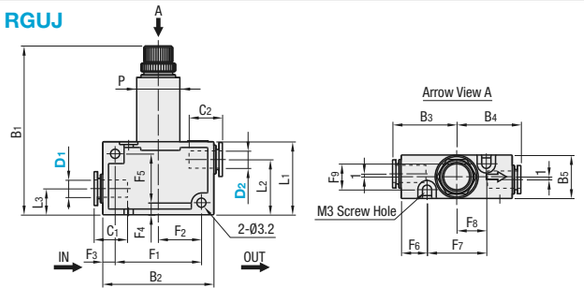
Part Number Type	Tube O.D. (mm) D	Nominal	R	A	B Max	B Min	L1 Max	L1 Min	L2	P1	P2	P3	C	E	Opposite Side H	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
RGC	4	M5	M5x0.8	2.9	48.7	44.6	45.8	41.7	7.6	8	10	9.8	11	15.4	10	16		
		1	R1/8	7.8	60	56	56	52	10.5	10	14	14.4	14.9	21.4	14	36		
	6	M5	M5x0.8	2.9	48.7	44.6	45.8	41.7	8.4	10.5	10	9.8	11.6	17.5	10	16		
		1	R1/8	7.8	60	56	56	52	10.7	12.4	14	14.4	17	23.5	14	36		
		2	R1/4	11.3	64.8	60.8	58.8	54.8	12.2		17	18.4		25.5	17	59		
	8	1	R1/8	7.8	60	56	56	52	11.7	14.4	14	14.4	18.1	26.9	14	38		
		2	R1/4	11.3	64.8	60.8	58.8	54.8	13.2		17	18.4		28.4	17	60		

■Unions



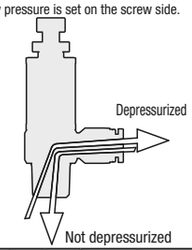
RoHS

RGUJ



■Features

・As with a relief mechanism, the pressure will be reduced and flow out from the fitting side when the primary pressure is set on the screw side.



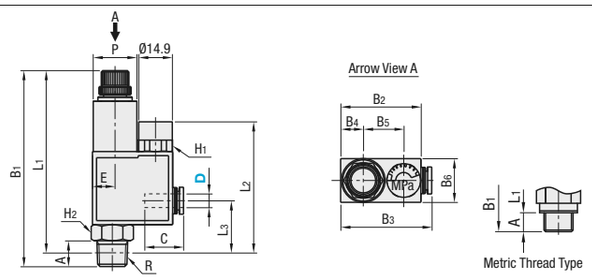
Part Number Type	D1	D2	B1 Max	B1 Min	B2	B3	B4	B5	L1	L2	L3	P	C1	C2	F1	F2	F3	F4	F5	F6	F7	F8	F9	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
RGUJ	4	4	63.3	58.8	38.6	21.9	21.9	15.1	25.4	19.2	9.1	15	11	11	30	15	4.3	4.2	17	9	20.6	10.3	9	36		
	6	4	63.3	58.8	38.6	22.3	21.9	15.1	25.4	19.2	9.1	15	11.6	11	30	15	4.3	4.2	17	9	20.6	10.3	9	37		
		6					22.3							11.6												
	8	6	67.5	63.2	47.6	28.5	28.6	19.2	29.5	21.3	9	19.2	19.6	17	39.6	19.8	4	4	21.5	12.1	23.4	11.7	13	61		
		8					28.5							19.6										62		

■Elbow with Gauge



RoHS

RGCM



Part Number Type	Tube O.D. (mm) D	Nominal	R	A	B1 Max	B1 Min	B2	B3	B4	B5	B6	L1 Max	L1 Min	L2	L3	C	E	P	Opposite Side H1	Opposite Side H2	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
RGCM	4	M5	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		
		1	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		
	6	M5	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		
		1	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	15.2		12	56		
		2	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	16	84		
	8	1	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		
		2	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	12	16	85		

Ordering Example

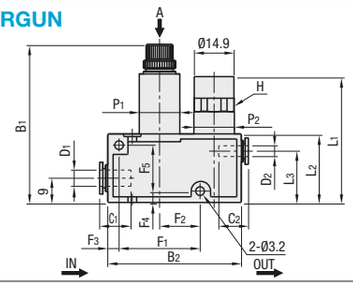
Part Number	-	Nominal: D2
RGC4	-	M5
RGCM4	-	M5

■Unions with Gauge

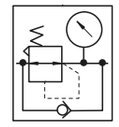


RoHS

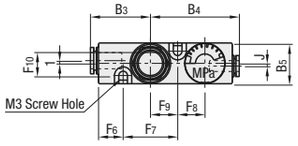
RGUN



Regulator with Pressure Gauge Graphic Symbol



Arrow View A



Part Number Type	No.	D1	D2	B1 Max	B1 Min	B2	B3	B4	B5	L1	L2	L3	P1	P2	C1	C2	J	Opposite Side H	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~30
RGUN	4	4	4	63.4	58.9	49.5	21.8	32.9	15.1	46.6	25.4	19	15	15	11	11	1	14	30	15	4.2	4.2	17	9.1	20.2	10.1	10.1	9	47		
	6-4	6	4	63.4	58.9	49.5	22.2	32.9	15.1	46.6	25.4	19	15	15	11.6	11	1	14	30	15	4.2	4.2	17	9.1	20.2	10.1	10.1	9	47		
	6	6	6					33.3								11.6															
	8-6	8	6	67.4	63.2	59.7	28.5	40.7	19.2	48.5	29.4	21.3	19	15.2	18.1	17	0	14	39.7	19.8	3.9	4.1	21.3	12.2	23.2	9.1	11.6	13	74		
	8	8	8					40.6								18.1															

For orders larger than indicated quantity, please check with WOS.

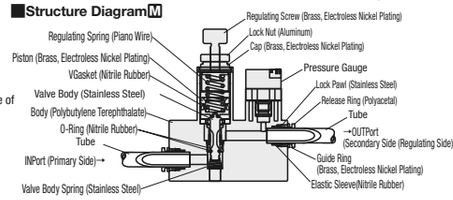
■Features

・This is a compact type regulator with a pressure gauge.
・The gauge can be changed in direction by the hexagonal part (H part) of its body.

■Precautions for Use

・Do not use the regulator in such a way that the pressure exceeds the preset level due to large secondary pressure fluctuations. It may result in equipment damage or malfunction. In the case of such a possibility, provide separate safety device.
・Set the pressure upward (clockwise). Downward setting (counterclockwise) does not provide accurate regulation.
・When the pressure has been set at the desired level, be sure to tighten the lock nut to hold the setting.

■Structure Diagram M



Specifications

Applicable Fluid	Air
Operating Temp. Range	0 ~ 60°C
Operating Pressure Range	0~0.9MPa
Set Pressure Range	0.1~0.8MPa
(Indicated Pressure Range)	0~0.8MPa
Gauge Accuracy	±5% (Full Scale *)

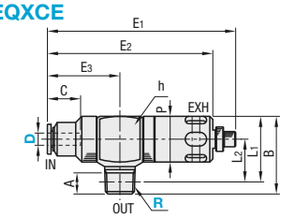
*Displayed position differences when the displayed pressure has suddenly changed from 0 to Max. value of 0.8MPa.

■Quick Exhaust Valves - Standard (With Exhaust Throttle)



RoHS

EQXCE



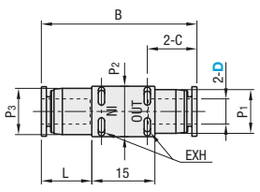
M Material: Body: Aluminum
Needle: Brass (Electroless Nickel Plating)
Element: Polyvinyl Formal

■Quick Exhaust Valves - Straight



RoHS

EQUS



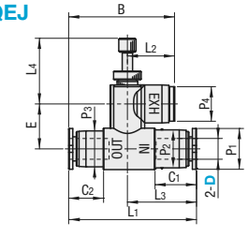
M Material: Polybutylene Terephthalate

■Quick Exhaust Valves - Unions (With Exhaust Throttle)



RoHS

EQEJ



M Material: Polybutylene Terephthalate
Needle: Brass (Electroless Nickel Plating)
Element: Polyvinyl Formal

■Quick Exhaust Valves - Standard

Part Number Type	Tube O.D. (mm D	R (PT)	Nominal	A	B	L1	L2	P	C	E1 Max	E1 Min	E2	E3	Opposite Side H	Effective Sectional Area (mm²) IN→OUT	Effective Sectional Area (mm²) OUT→EX	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
EQXCE	4	1 (R1/8)	1	8	25.5	21.5	14	15	10.9	66.7	61.8	54.3	23.8	15	4	8	23		
	6	1 (R1/8)	1	8	25.5	21.5	14	15	11.7	67	62.1	54.6	24.1	15	6	8	23		
			2		29	25	16	18		77.4	71.6	63.1	28.1	18	9	15	35		
		2 (R1/4)	1	11	31												37		
	8	1 (R1/8)	1	8	29	25	16	18	18.2	82.7	76.9	68.4	33.4	18	12	15	39		
		2 (R1/4)	1	11	31												41		

■Quick Exhaust Valves - Straight

Part Number Type	Tube O.D. (mm) D	B	L	P1	P2	P3	C	Effective Sectional Area (mm²) IN→OUT	Effective Sectional Area (mm²) OUT→EX	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
EQUS	4	34.6	11	8.4	10	9	11	1.8	1.8	3.3		
	6	37	12	10.4	12	11	11.6	4	4	4.9		

■Quick Exhaust ValvesUnions (With Exhaust Throttle)

For orders larger than indicated quantity, please check with WOS.

Part Number Type	Tube O.D. (mm) D	B	L1	L2	L3	L4 Max	L4 Min	P1	P2	P3	P4	C1	C2	E	Effective Sectional Area (mm2) IN→OUT	Effective Sectional Area (mm2) OUT→EX	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
EQEJ	4	27.3	34.6	11.2	18.5	19.5	14.5	9.8	9	8.4	9	11	8.6	11	1.8	1.7	7.2		
	6	29	37	12	20	19	14	11.8	11	10.4	11	12	10	13	4	2.8	9.2		

Ordering Example

Part Number
RGUN4

Part Number	-	R(PT)	-	Nominal
EQXCE4	-	1	-	1

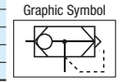
For orders larger than indicated quantity, please check with WOS.

Features / Specifications

■Features: Applicable to high-speed driving cylinder since air is quickly exhausted. For exhaust throttle type, the driving speed of cylinder can be adjusted.

Applicable Fluid	Air
Operating Pressure Range	0.1~0.7MPa
Pressure Resistance	1.35MPa
Operating Temp. Range	5 ~ 60°C (Non-Freezing)
Min. Operating Pressure	0.05MPa

Graphic Symbol



■PRECAUTIONS

・For exhaust throttle type, due to clogging of elements, exhaust resistance may increase and cause deterioration in general system function. In such cases, discontinue the use and replace the valve.
・Not applicable as shuttle valve.