

Miniature Regulator

Series ARJ210

- Lightweight body made of aluminum (60 g)
- Two styles of piping connections provided for the IN side: 1/8 (male thread) and M5 (female thread)

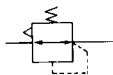


ARJ210-M5



ARJ210-M5BG

JIS Symbol



Standard Specifications

Model		ARJ210-M5
Port size	IN side	1/8 (Male thread), M5 x 0.8 (Female thread)
	OUT side	M5 x 0.8 (Female thread 2 pcs.)
Fluid		Air
Proof pressure		1.2 MPa
Maximum operating pressure		0.8 MPa
Regulating pressure range		0.2 to 0.7 MPa
		0.2 MPa setting 0.05 to 0.2 MPa
Pressure gauge port size		M5 x 0.8 (Female thread)
Ambient and fluid temperature		-5 to 60°C (No freezing)
Weight (kg)		0.06

Accessory (Option)/Part No.

Bracket	134856
Pressure gauge (Note)	G27-10-M5-X201



Note) If ordering the pressure gauge, M-5N (nipple) is required. Part number of the pressure gauge with a nipple assembled is G27-10-M5-X215.

How to Order

ARJ 2 10 — M5 BG — 1

Miniature regulator
Body size

Option

1	0.2 MPa setting
S	With seal

Note 1) Compared with standard specifications, its adjusting spring has only been changed. It is not the product which does not allow the pressure more than 0.2 MPa. Adjusting spring is not replaceable.

Accessory

Port size

M5	IN	1/8 (Male thread) M5 x 0.8 (Female thread)
	OUT	M5 x 0.8 (Female thread)

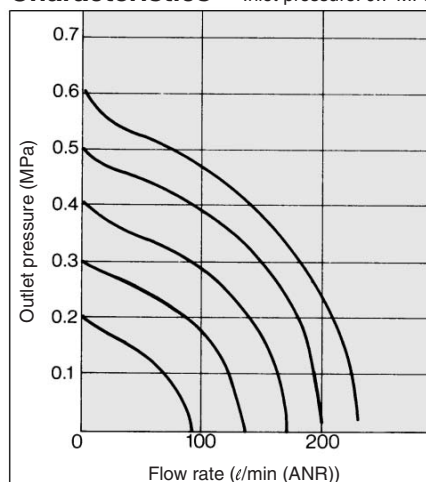
Symbol	Description
Nil	—
B	With bracket
G	With pressure gauge

Model

1	Relieving type (Standard)
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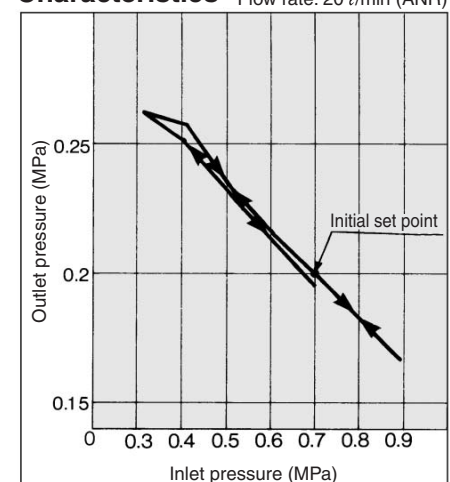
Flow Characteristics

Inlet pressure: 0.7 MPa

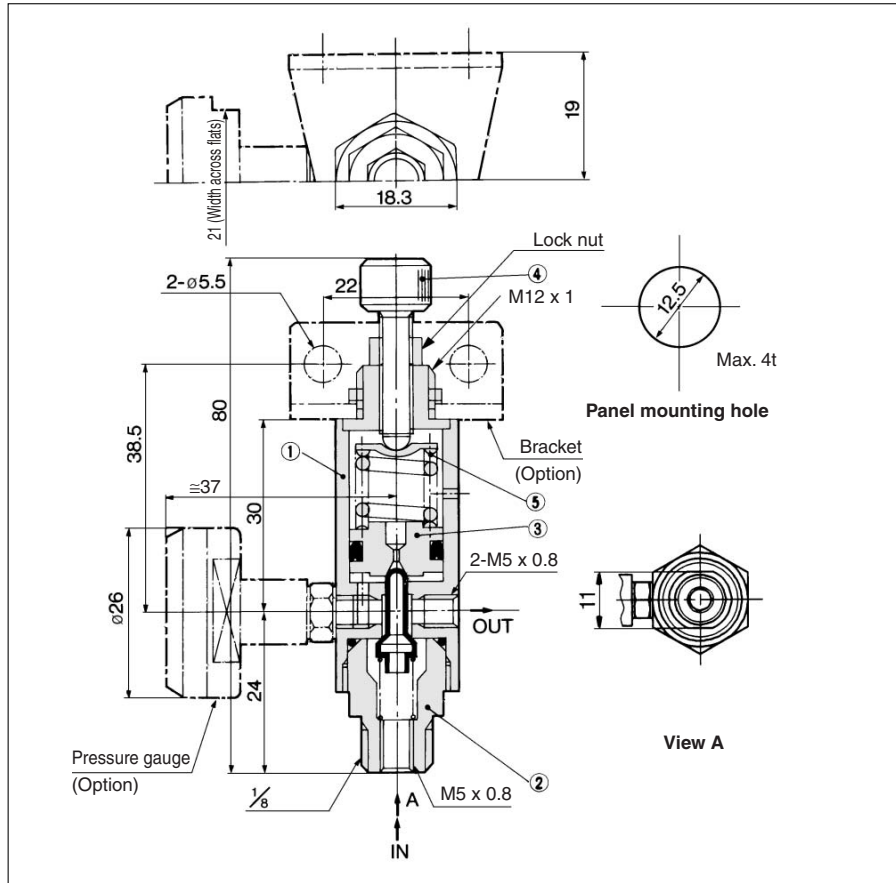


Pressure Characteristics

(Initial setting)
Inlet pressure: 0.7 MPa
Outlet pressure: 0.2 MPa
Flow rate: 20 l/min (ANR)



Construction/Dimensions



No.	Description	Material	Note
①	Body	Aluminum alloy	Black anodized
②	Valve guide	Brass	Electroless nickel plated
③	Piston	Brass	
④	Adjusting screw	Brass	Electroless nickel plated
⑤	Adjusting spring	Steel wire	Zinc chromated

⚠ Precautions

Be sure to read before handling.
Refer to pages 14-21-3 to 14-21-4 for Safety Instructions and Common Precautions.

Selection

⚠ Warning

1. This product cannot be used as a check regulator by installing it between solenoid valve and actuator. Doing so could lead to equipment damage.
2. When connecting a pipe to the IN side, hold the valve guide at its wrench flats (opposite side 11), and when connecting to the OUT side, hold the body at its hexagon portion and tighten it to the recommended torque. (M5: 1.5 to 2 N·m, R 1/8: 7 to 9 N·m.) Excessive torque or holding it other than at the specified area could lead to equipment damage.

Mounting/Adjustment

⚠ Warning

1. Set up the regulator while verifying the pressure that is indicated on the inlet and the outlet pressure gauges. Turning the handle excessively could damage the internal parts.

⚠ Caution

1. Release the lock to adjust the pressure. After the adjustment, engage the lock.
Failure to observe this procedure could damage the handle or cause the outlet pressure to fluctuate.
<Lock operating method>
Loosen the lock nut to unlock it, and tighten it to lock it.
2. This product cannot be used as a check regulator by installing it between solenoid valve and actuator.
3. Port with a pressure gauge or a plug can be used as an OUT port.

F.R.L.

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