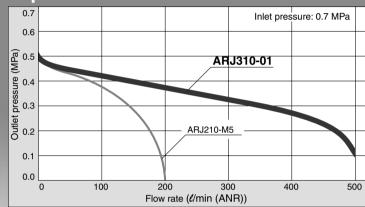
Miniature Regulator

Series ARJ310

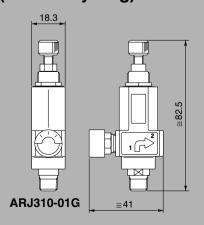


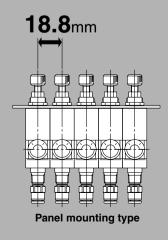


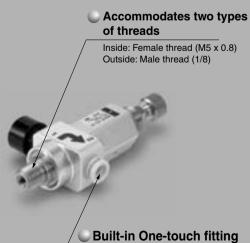
Improved flow characteristics



Compact and lightweight Allows smaller mounting pitch (Main body 65 g)







ø4, ø6 (Metric size) ø5/32", ø1/4" (Inch size) ARJ AR425 to 935

AMR

ARM

ARP

IR

IRV

VEX1□

SRH

SRP SRF

ARX20

VCHR

ITV

IC

PVQ

VEF VEP

VER

VEA

VY2 VBA VBAT

AP100

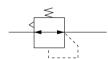
Miniature Regulator

Series ARJ310

Standard Specifications



JIS Symbol



Pressure gauge port size	Rc 1/8, NPT 1/8 (Female thread)		
Fluid	Air		
Proof pressure	ire 1.2 MPa		
Maximum operating pressure	essure 0.8 MPa		
Regulating pressure range	Standard: 0.2 to 0.7 MPa, Low pressure use (0.2 MPa setting): 0.05 to 0.2 MPa		
Ambient and operating temperature range	−5 to 60°C (No freezing)		
Mass	Approx. 65 g		

Model

Model	Port size		
Model	IN *	OUT	
ARJ310-01	R1/8, M5 x 0.8	Rc 1/8	
ARJ310-N01	NPT1/8, M5 x 0.8	NPT 1/8	
ARJ310F-01-04	D. / (2. 1.45 2. 2.	ø4 One-touch fitting	
ARJ310F-01-06	R1/8, M5 x 0.8	ø6 One-touch fitting	
ARJ310F-N01-03	NDT4/0 MF 0 0	ø5/32" One-touch fitting	
ARJ310F-N01-07	NPT1/8, M5 x 0.8	ø1/4" One-touch fitting	

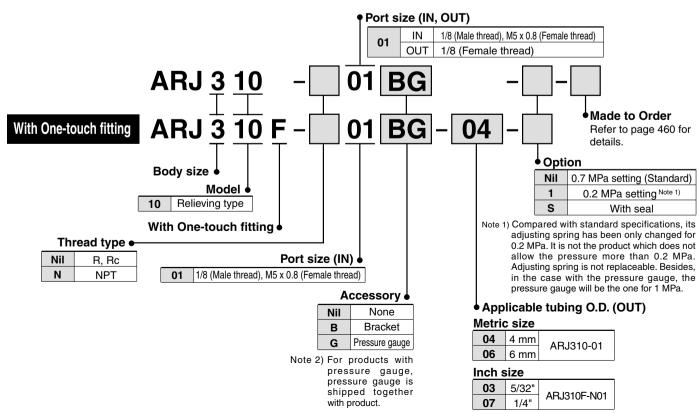
^{*} M5 x 0.8 female thread is cut inside the pipe.

Accessory (Option) Part No.

Bracket	134856	
Pressure gauge Note)	G15-10-01(Rc1/8)/G15-P10-N01(NPT1/8)	

Note) Pressure gauges (G15) for 0.2 MPa are not available.

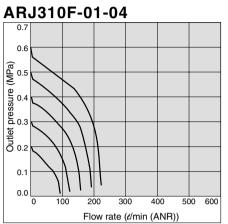
How to Order

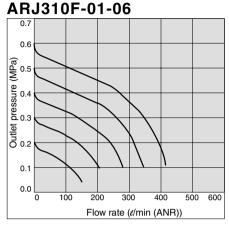


Flow Characteristics (Representative Values)

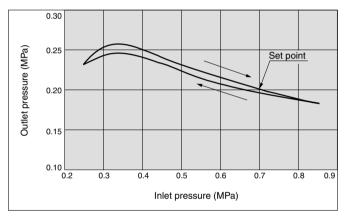
Inlet pressure: 0.7 MPa







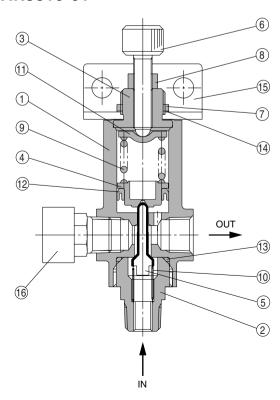
Pressure Characteristics (Representative Values)



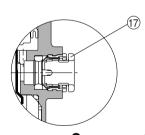
Conditions: Inlet pressure 0.7 MPa Outlet pressure 0.2 MPa Flow rate Q = 20 //min (ANR)

Construction

ARJ310-01



ARJF310F-01



Component Parts

No.	Description	Material	Note	
1	Body	Aluminum alloy		
2	Valve guide	Brass	Electroless nickel plated	
3	Bonnet	Brass	Electroless nickel plated	
4	Piston	POM		
5	Valve	Brass	Rubber lining material: HNBR	
6	Adjusting screw	Iron	Nickel plated	
7	Panel nut	Iron	Nickel plated	
8	Hexagon nut	Iron	Nickel plated	
9	Adjusting spring	Steel wire	Zinc chromated	
10	Valve spring	Stainless steel		
11	Spring holder	Steel band	Zinc chromated	
12	Mini Y-seal	NBR		
13	O-ring	NBR		
14	Lock washer	SS	Nickel plated	
15	Bracket	Steel band	Electrophoretic painting	Accessory
16	Pressure gauge	_		Accessory
17	Cassette	POM, Stainless steel		

ARJ

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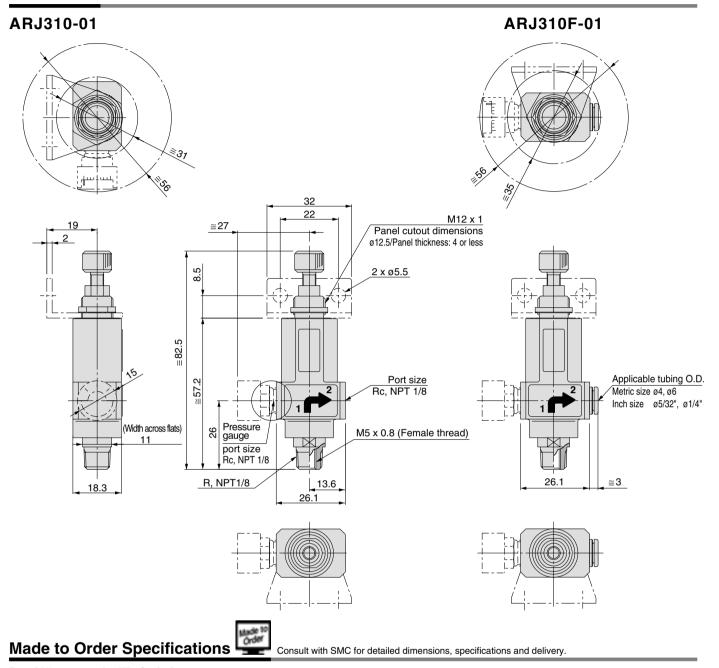
VEA

VY2 VBA VBAT

AP100

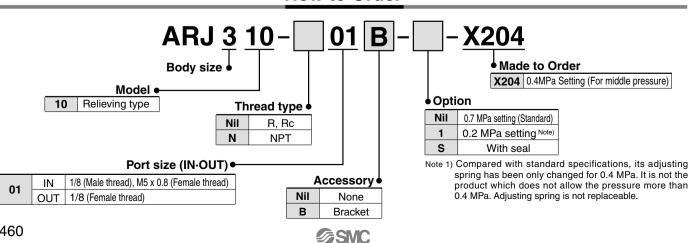
Series ARJ310

Dimensions



For middle pressure (0.4MPa Setting): Compared with standard specifications, its adjusting spring has been only changed for 0.4 MPa. It is not the product which does not allow the pressure more than 0.4 MPa. Adjusting spring is not replaceable.

How to Order





Series ARJ310 Specific Product Precautions

Be sure to read before handling. Refer to front matters 42 and 43 for Safety Instructions and pages 287 to 291 for Precautions on every series.

Design and Selection

Marning

- This product cannot be used as a check regulator by installing it between solenoid valve and actuator. It can result in causing breakdown and malfunction.
- 2. When piping, tighten the regulator with the recommended proper tightening torque (M5: 1.5 to 2 N·m, R 1/8: 7 to 9 N·m) while holding the wrench flats (width 11) of the valve guide for IN port and holding the hexagonal section of the body for the OUT port. Excessive tightening or holding a part other than those specified can cause damage.
- 3. While piping to products or operating the handle, ensure that an excess bending moment should not be applied to a product, because it may result in damage.

Mounting

⚠ Caution

To set the correct pressure

1. Make connections after confirming the mark which indicates the air inlet. Reversed connections can cause malfunction.

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