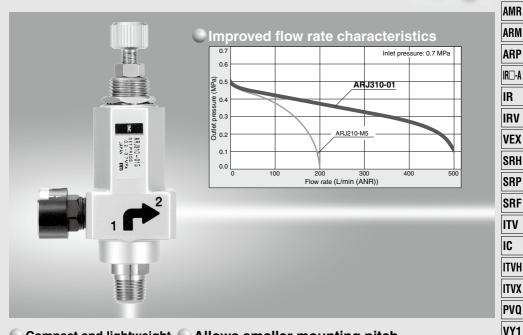
Miniature Regulator

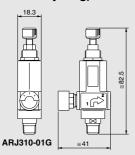
ARJ310 Series

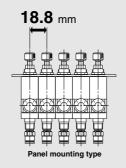


ARJ AR425 to 935 ARX



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







ø4, ø6 (Metric size) ø5/32", ø1/4" (Inch size) VBA VBAT

AP100

Miniature Regulator ARJ310 Series

Standard Specifications





Pressure gauge port size	Rc 1/8, NPT 1/8 (Female thread)	
Fluid	Air	
Proof pressure	1.2 MPa	
Maximum operating pressure	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)	
Construction	Relieving type	
Weight (kg)	0.065	

Model

Model	Port size		
iviodei	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	D4/0.145 0.0	ø4 One-touch fitting	
ARJ310F-01-06	R1/8, M5 x 0.8	ø6 One-touch fitting	
ARJ310F-N01-03	NETT (O. M.E. O. O.	ø5/32" One-touch fitting	
ARJ310F-N01-07	NPT1/8, M5 x 0.8	ø1/4" One-touch fitting	

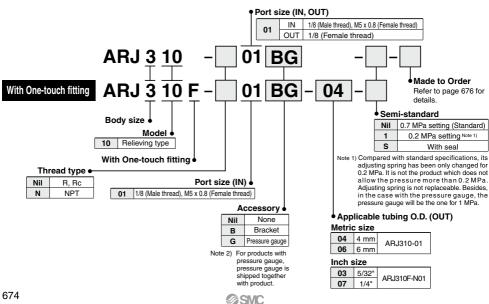
^{*} M5 x 0.8 female thread is cut inside the pipe.

Accessory (Option) Part No.

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

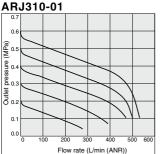
Note) Pressure gauges (G15) for 0.2 MPa are not available.

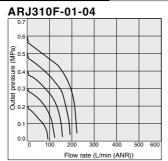
How to Order

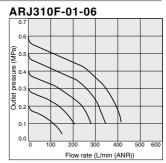


Flow Rate Characteristics (Representative Values)

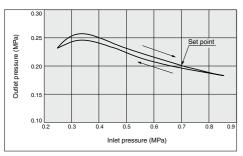
Inlet pressure: 0.7 MPa







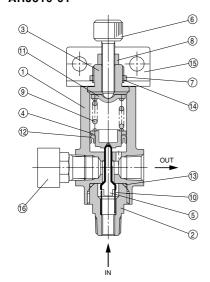
Pressure Characteristics (Representative Values)



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

Construction

ARJ310-01



ARJ310F-01



Component Parts

2011	polipolient i arts				
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	Zinc chromated		
8	Hexagon nut	Iron	Zinc chromated		
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	Zinc chromated		
15	Bracket	Steel band	Electrophoretic painting Accessory		
16	Pressure gauge	_	Accessor		
17	Cassette	POM. Stainless steel			

ARJ

AR425 to 935 ARX

AMR

ARM ARP

IR□-A

IR IRV

VEX

SRH SRP

SRF

ITV

IC

ITVH ITVX

PVQ

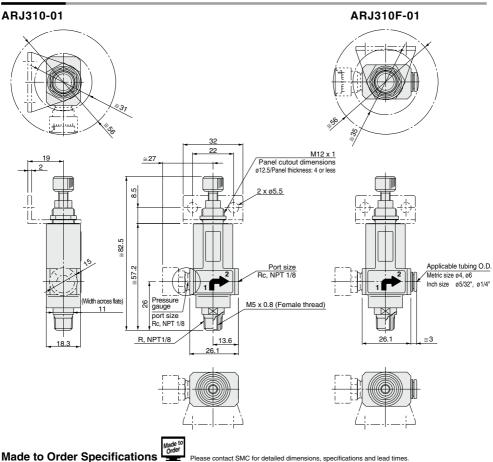
VY1 VBA VBAT

AP100

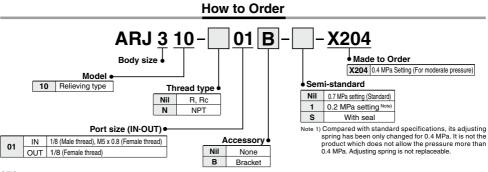
675

ARJ310 Series

Dimensions



For moderate pressure (0.4 MPa 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.





ARJ310 Series Specific Product Precautions

Be sure to read this before handling the products.

Refer to back page 50 for Safety Instructions and pages 387 to 391 for Precautions on every series.

Design and Selection

⚠ Warning

- 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.
- While piping to products or operating the knob, ensure that an excess bending moment should not be applied to a product, because it may result in damage.

Mounting

To set the correct pressure

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

ARJ

AR425 to 935

ARX

ARM

ARP

IR□-A

IR

IRV VEX

SRH

SRP

SRF

IC

ITVH

PVQ VY1

> VBA VBAT AP100