

# Miniature Regulator

# ARJ1020F Series

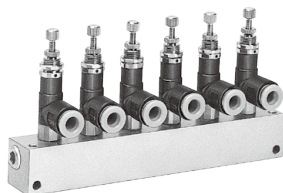
■ Compact and lightweight (16 g)

■ Low cracking pressure 0.02 MPa  
Standard model equipped with backflow function



ARJ1020F-M5-04

ARJ1020F-M5-06



ARJM10-6

Symbol



Note) A standard model is equipped with a backflow function.  
A main valve opens when the inlet pressure is released, and then an outlet pressure backflows into the inlet side.

## Standard Specifications

Model		ARJ1020F	
Port size	IN side	M5 (Male thread)	
	OUT side (Applicable tubing O.D.)	ø4	ø6
Fluid	Air		
Proof pressure	1.2 MPa		
Maximum operating pressure	0.8 MPa		
Regulating pressure range	Standard: 0.1 to 0.7 MPa		
	0.2 MPa setting 0.05 to 0.2 MPa		
Ambient and fluid temperature	-5 to 60°C (No freezing)		
Construction	Relieving type		
Weight (kg)	0.015	0.016	
Cracking pressure (Valve)	0.02 MPa		
Max. effective area (OUT→IN)	1.8 mm <sup>2</sup>		
Applicable tubing material <small>(Note)</small>	Nylon, Soft nylon, Polyurethane		

Note) Be sure to note the maximum operating pressure for soft nylon and polyurethane.  
(Refer to the Web Catalog.)

## Accessory (Option)/Part No.

Description	Part no.
Manifold base	ARJM10-4, -6, -10

## How to Order

ARJ 10 20 F - M5 - 04 - □

Miniature regulator

Body size  
10 M5

Port size

M5 M5 x 0.8

With One-touch fitting

Piping

20 Elbow type

• Semi-standard

Nil	0.7 MPa setting (Standard)
1	0.2 MPa setting

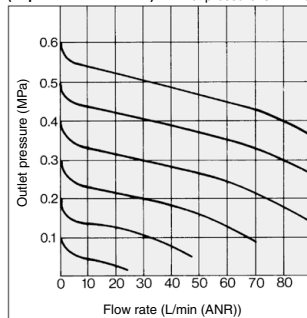
Note) Compared with standard specifications, its adjusting spring has only been changed. It is not the product which does not allow the pressure more than 0.2 MPa. Adjusting spring is not replaceable.

• Applicable tubing O.D.

04	4 mm
06	6 mm

## Flow Rate Characteristics (Representative values)

Inlet pressure: 0.7 MPa



## Pressure Characteristics (Representative values)

Conditions (Initial setting)  
Inlet pressure: 0.7 MPa  
Outlet pressure: 0.2 MPa  
Flow rate: 10 L/min (ANR)

