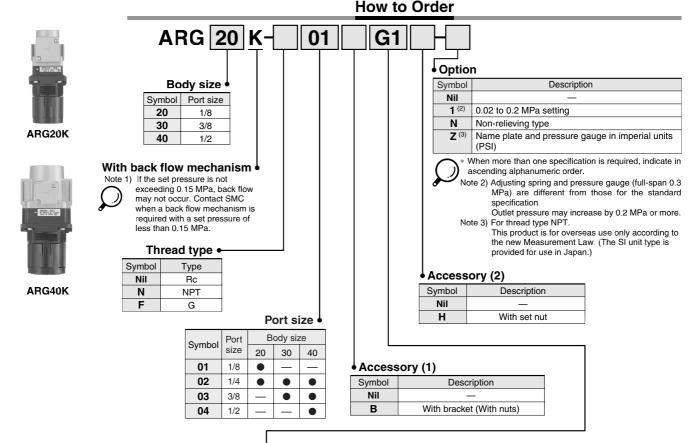
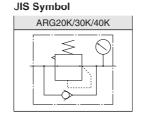
Regulator with Built-in Pressure Gauge with Back Flow Mechanism

Series ARG20K/30K/40K



Mounting Angle of Pressure Gauge



Symbol G1 G2 G3 G4 Mounting angle O° 90° 180° 270° Mounting angle view IN OUT		<u> </u>	<u>=</u>		
Mounting angle IN OUT IN OUT IN OUT IN OUT IN OUT IN OUT	Symbol	G1	G2 G3		G4
	Mounting angle	0°	90°	180°	270°
		IN OUT	IN OUT	IN OUT	IN OUT

- * Possible to change to the optional mounting angles

For details, refer to the back of page 6, "Procedure for replacing or changing the mounting angle of a pressure gauge

Accessory/Optional Combinations

O: Combination available : Varies depending on a model . Combination not available

 \triangle . Available only with NPT thread

Accessory/ Combination Optional specifications		Symbol	Accessory		Option		1	Applicable regulator
			В	Н	1	N	Z	ARG20 to 40
ssory	With bracket	В			0	0	Δ	0
Accessory	With set nut	н			0	0	Δ	0
Option	0.02 to 0.2 MPa setting	-1	0	0		0	Δ	0
	Non-relieving type	-N	0	0	0		Δ	0
	Name plate and pressure gauge in imperial units (PSI)	-z	Δ	Δ	Δ	Δ		Δ

Application examples of a regulator with a back flow mechanism

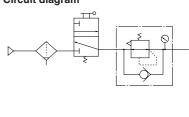
With a built-in mechanism which enables reliable discharge of air pressure from outlet to inlet

Example 1) When the pressure in the rear and the front of the cylinder differs

Circuit diagram

Example 2) When the air supply is cut off and releasing the inlet pressure to the atmosphere, the residual pressure release of the outlet side can be ensured for a safety purpose

Circuit diagram



Regulator with Built-in Pressure Gauge with Back Flow Mechanism Series ARG20K/30K/40K

Standard Specifications

Model	ARG20K	ARG30K	ARG40K	
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	
Fluid	Air			
Proof pressure	1.5 MPa			
Maximum operating pressure	1.0 MPa			
Regulating pressure range (1)	0.05 to 0.85 MPa			
Relief pressure	Set pressure + 0.05 MPa (at relief flow rate of 0.1 d/min (ANR))			
Ambient and fluid temperature	−5° to 60°C (With no freezing)			
Construction	Relieving type			
Weight (kg)	0.31	0.40	0.57	

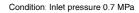
Note 1) Set the inlet pressure to 0.05 MPa or higher than the set pressure.

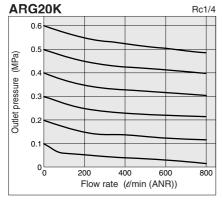
Accessory Part No.

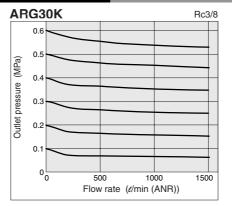
Accessory			Applicable model	ARG20K	ARG30K	ARG40K
Bracket assembly (1)		ARG20P-270AS	ARG30P-270AS	ARG40P-270AS		
Set nut				ARG20P-260S	ARG30P-260S	ARG40P-260S
Pressure gauge	Pressure gauge display range	Standard	andard 0 to 1.0 MPa GB2-10AS		GB3-10AS	GB4-10AS
			0 to 0.3 MPa	GB2-3AS	GB3-3AS	GB4-3AS
		Optional	0 to 150 PSI	GB2-P10AS	GB3-P10AS	GB4-P10AS
			0 to 45 PSI	GB2-P3AS	GB3-P3AS	GB4-P3AS

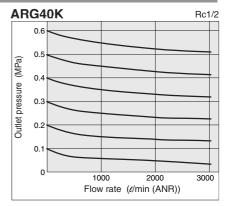
Note 1) Assembly includes a bracket and set nuts.

Flow Characteristics (Representative values)



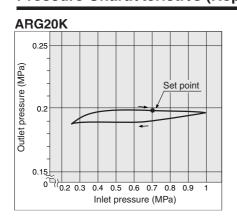


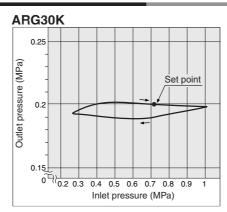


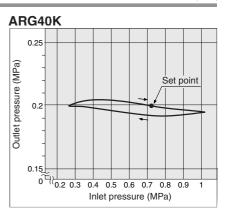


Pressure Characteristics (Representative values)

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







SMC