

# Series AR20-B to AR60-B

# Series AR20K-B to AR60K-B

## Options/Part No.

Option		Model	AR20(K)-B	AR25(K)-B	AR30(K)-B	AR40(K)-B	AR40(K)-06-B	AR50(K)-B	AR60(K)-B
<b>Bracket assembly</b> <small>Note 1)</small>			AR23P-270AS	AR28P-270AS	AR33P-270AS	AR43P-270AS		AR52P-270AS	
<b>Set nut</b>			AR23P-260S	AR28P-260S	AR33P-260S	AR43P-260S		___ <small>Note 2)</small>	
<b>Pressure gauge</b>	<b>Round type</b> <small>Note 3)</small>	<b>Standard</b>	G36-10-□01			G46-10-□01			
		<b>0.02 to 0.2 MPa setting</b>	G36-4-□01			G46-4-□01			
	<b>Round type</b> <small>Note 3)</small> <small>(with colour zone)</small>	<b>Standard</b>	G36-10-□01-L			G46-10-□01-L			
		<b>0.02 to 0.2 MPa setting</b>	G36-4-□01-L			G46-4-□01-L			
<b>Square embedded type</b> <small>Note 4)</small>	<b>Standard</b>		GC3-10AS [GC3P-010AS (Pressure gauge cover only)]						
	<b>0.02 to 0.2 MPa setting</b>		GC3-4AS [GC3P-010AS (Pressure gauge cover only)]						
<b>Digital pressure switch</b> <small>Note 5)</small>	<b>NPN output: Wiring bottom entry</b>		ISE35-N-25-MLA [ISE35-N-25-M (Switch body only)]						
	<b>NPN output: Wiring top entry</b>		ISE35-R-25-MLA [ISE35-R-25-M (Switch body only)]						
	<b>PNP output: Wiring bottom entry</b>		ISE35-N-65-MLA [ISE35-N-65-M (Switch body only)]						
	<b>PNP output: Wiring top entry</b>		ISE35-R-65-MLA [ISE35-R-65-M (Switch body only)]						

Note 1) Assembly of a bracket and set nuts. Including 2 mounting screws for the AR50(K)-B and AR60(K)-B

Note 2) Please consult with SMC regarding the set nuts for the AR50(K)-B and AR60(K)-B.

Note 3) □ in part numbers for a round pressure gauge indicates a pipe thread type. No indication is necessary for R; however, indicate N for NPT.

Please contact SMC regarding the pressure gauge supply for psi unit specifications.

Note 4) Including one O-ring and 2 mounting screws. [ ]: Pressure gauge cover only

Note 5) In addition to the pressure switch body, lead wire with connector (2 m), adapter, lock pin, O-ring (1 pc.), mounting screw (2 pcs.) are attached.

[ ]: Switch body only. (Regarding how to order the digital pressure switch, please consult with SMC.)

## ⚠ Specific Product Precautions

Be sure to read this before handling. Refer to the back cover for Safety Instructions, "Handling Precautions for SMC Products" and the Operation Manual for F.R.L. Precautions, <http://www.smc.eu>

### Selection

#### ⚠ Warning

- Residual pressure disposal (outlet pressure removal) is not possible for the AR20-B to AR60-B even though the inlet pressure is exhausted. When the residual pressure disposal is performed, use the regulator with a backflow function (AR20K-B to AR60K-B).

### Maintenance

#### ⚠ Warning

- When using the regulator with backflow function between a solenoid valve and an actuator, check the pressure gauge periodically. Sudden pressure fluctuations may shorten the durability of the pressure gauge. A digital pressure gauge is recommended for such situation or as deemed necessary.

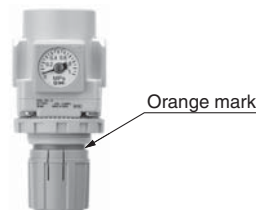
### Mounting/Adjustment

#### ⚠ Warning

- Set the regulator while verifying the displayed values of the inlet and outlet pressure gauges. Turning the regulator knob excessively can cause damage to the internal parts.
- Do not use tools on the pressure regulator knob as this may cause damage. It must be operated manually.

#### ⚠ Caution

- Be sure to unlock the knob before adjusting the pressure and lock it after setting the pressure. Failure to follow this procedure can cause damage to the knob and the outlet pressure may fluctuate.
  - Pull the pressure regulator knob to unlock. (You can visually verify this with the "orange mark" that appears in the gap.)
  - Push the pressure regulator knob to lock. When the knob is not easily locked, turn it left and right a little and then push it (when the knob is locked, the "orange mark", i.e., the gap will disappear).



- A knob cover is available to prevent careless operation of the knob. Refer to page 97 for details.