

# Direct Operated Precision Regulator/Modular Style

## ARP20 to ARP40

# Direct Operated Precision Regulator with Backflow Function/Modular Style

## ARP20K to ARP40K

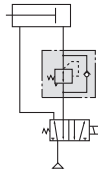
JIS symbol

Regulator

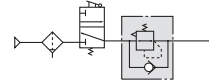
Regulator with backflow function

- With the backflow function it incorporates a mechanism to exhaust the air pressure in the outlet side reliably and quickly.

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



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.



### How to Order

ARP **30** **K** - **03** **BE** -

① ② ③ ④ ⑤ ⑥

- Option / Semi-standard: Select one each for a to f.
- Option / Semi-standard symbol: Enter them alphanumerically.  
Example) ARP30K-03BE-1RY

		Symbol	Description	①			
				Body size			
				20	30	40	
②	With backflow function	Nil	Without backflow function	●	●	●	
		K	With backflow function	●	●	●	
+							
③	Thread type	Nil	Rc	●	●	●	
		N	NPT	●	●	●	
		F	G	●	●	●	
+							
④	Port size	01	1/8	●	—	—	
		02	1/4	●	●	●	
		03	3/8	—	●	●	
		04	1/2	—	—	●	
+							
⑤ Option <small>(Note 1)</small>	a	Mounting	Nil	Without mounting option	●	●	●
			B <small>Note 2)</small>	With bracket	●	●	●
			H	With set nut (For panel mount)	●	●	●
	+						
	b	Pressure gauge	Nil	Without pressure gauge	●	●	●
			E	Square embedded type pressure gauge (With limit indicator)	●	●	●
			G	Round type pressure gauge (With limit indicator)	●	●	●
		Digital pressure switch	E1 <small>Note 3)</small>	Output: NPN output / Electrical entry: Wiring bottom entry	●	●	●
			E2 <small>Note 3)</small>	Output: NPN output / Electrical entry: Wiring top entry	●	●	●
			E3 <small>Note 3)</small>	Output: PNP output / Electrical entry: Wiring bottom entry	●	●	●
			E4 <small>Note 3)</small>	Output: PNP output / Electrical entry: Wiring top entry	●	●	●

# Direct Operated Precision Regulator/Modular Style *Series ARP20 to ARP40*

## Direct Operated Precision Regulator with Backflow Function/Modular Style *Series ARP20K to ARP40K*



ARP20/ARP20K

ARP30/ARP30K

ARP40/ARP40K

		Symbol	Description	1							
				Body size							
				20	30	40					
6	Semi-standard	c	Set pressure	Nil	0.005 to 0.4 MPa setting			●	●	●	
				1 <small>Note 4)</small>	0.005 to 0.2 MPa setting			●	●	●	
				3 <small>Note 4)</small>	0.008 to 0.6 MPa setting			●	●	●	
					+						
		d	Flow direction	Nil	Flow direction: Left to right			●	●	●	
				R	Flow direction: Right to left			●	●	●	
					+						
		e	Knob	Nil	Downward facing knob			●	●	●	
				Y	Upward facing knob			●	●	●	
					+						
		f	Pressure unit	Nil	Name plate and pressure gauge in imperial units: MPa			●	●	●	
				Z <small>Note 5)</small>	Name plate and pressure gauge in imperial units: psi			○ <small>Note 7)</small>	○ <small>Note 7)</small>	○ <small>Note 7)</small>	
				ZA <small>Note 6)</small>	Digital pressure switch: With unit conversion function			△ <small>Note 8)</small>	△ <small>Note 8)</small>	△ <small>Note 8)</small>	

Note 1) Options B, G, H are shipped together, (but not assembled).

Note 2) Set nut is included for bracket.

Note 3) When choosing with H (panel mount), the installation space for lead wires will not be secured. In this case, select "wiring top entry" for the lead wire entry. (Select "wiring bottom entry" when the semi-standard Y is chosen simultaneously.)

Note 4) The only difference from the standard specifications is the pressure regulator spring.  
It does not restrict the setting of 0.2 MPa/0.6 MPa or more.  
When the pressure gauge is attached, a 0.2 MPa pressure gauge for 0.2 MPa setting will be fitted, and a 0.7 MPa pressure gauge for 0.6 MPa setting will be fitted.  
When a digital pressure switch is attached, the pressure display is fixed to 1.0 MPa.

Note 5) For thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.) The digital pressure switch will be equipped with the unit conversion function, setting to psi initially.

Note 6) For options: E1, E2, E3, E4. This product is for overseas use only according to the new Measurement Law. (The SI unit is provided for use in Japan.)

Note 7) ○: For thread type: NPT only

Note 8) △: Combination available for options: E1, E2, E3, E4.