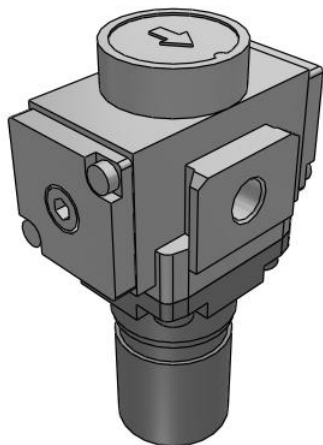
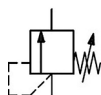




AR20(*)-B to AR60(*)-B, Regulator & Regulator w/Backflow Function AR20-F01-1-B

Datasheet

Cost effective and clean looking, series AR-B regulators offer various pressure range settings to accommodate most applications. The locking adjustment knob prevents accidental setting changes. The modular design of the AR series connects with other SMC air preparation equipment.

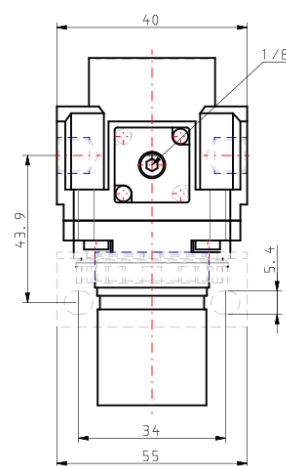
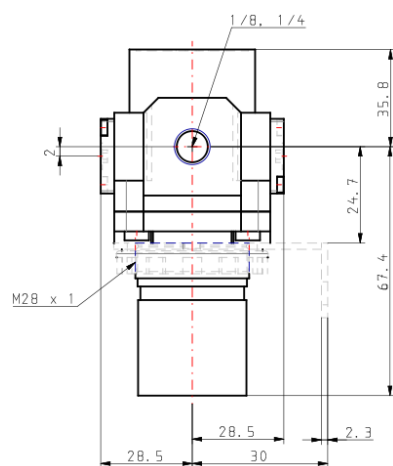


Pressure control valve, relieving pressure regulator, adjustable

Standard specifications

Made to Order 1	None
Body Size	20
Backflow Function	None
Thread	F (G)
Port	01 (1/8)
Option	Standard
Semi-standard	1 (Set Pressure: 0.02 to 0.2 MPa)
Made to Order 2	None
Pressure medium	Air
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	-5 °C [with no freezing]
Maximum operating pressure	1.0 MPa
Proof pressure	1.5 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-5 °C [with no freezing]
Conform to the European RoHS Directive	Conform
Approvals	No need
Weight	0.165 Kg

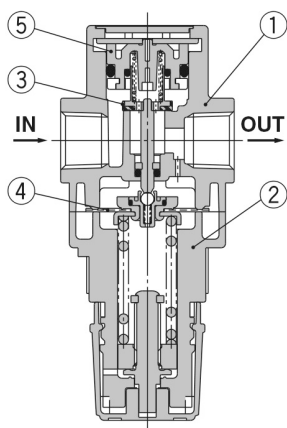
Dimensions



Constructions

Construction

AR20(K)-B/AR25(K)-B



Component Parts

No.	Description	Material	Model	Colour
1	Body	Zinc die-cast	AR10-A	White
		Aluminium die-cast	AR20(K)-B to AR60(K)-B	
2	Bonnet	Polyacetal	AR10-A	White
			AR20(K)-B to AR40(K)-B	
		Aluminium die-cast	AR50(K)-B/AR60(K)-B	

Replacement Parts

[AR10-A]

No.	Description	Material	Part no.
3	Valve	HNBR	AR10P-090S
4	Piston assembly	Polyacetal	AR10P-150AS
5	Valve guide assembly	Polyacetal	131329

[AR20(K)-B to AR60(K)-B]

No.	Description	Material	Part no.	
			AR20(K)-B	AR25(K)-B
3	Valve	Brass, HNBR	AR20P-410S	AR25P-410S
4	Diaphragm assembly	Weatherable NBR	AR20P-150AS	AR25P-150AS
5	Valve guide assembly	Polyacetal	AR20P-050AS	AR25P-050AS
6	Check valve assembly *1	—	AR23KP-020AS	

*1 Check valve assembly is applicable for a regulator with backflow function (AR20K-B to AR60K-B) only.
 Assembly of a check valve cover, check valve body assembly and 2 mounting screws

Additional information

Catalogue	AC-B-B_EU.pdf
Installation manuals	IM_ARx_SMV43EN.pdf
Operation manuals	OM_AR-B_OMS0056EN.pdf OM_ARxK-B_OMT0015EN.pdf