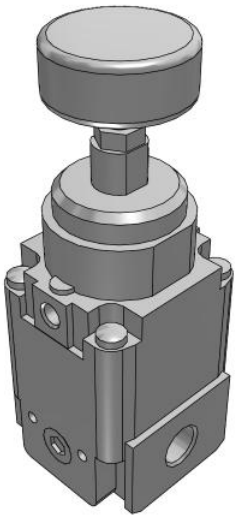


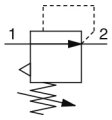
IR1000/2000/3000-A, Precision Regulator

IR1000-F01-A

Datasheet

General series information

- Lightweight.
- Addition of bottom and front exhaust.
- Precision regulator, with repeatability ± 0.5 % (full span). Sensitivity: 0.2 % (full span).
- Max. supply pressure: 1.0 MPa.



Pressure control valve, relieving pressure regulator, adjustable

Standard specifications

Body Size	1
Set pressure	0 (Body Size 1, 2: [0.005 to 0.2 MPa]; Body Size 3: [0.01 to 0.2 MPa])
Port Size	01 (1/8)
Semi-standard	None
Option	None
Exhaust Direction	0 (Bottom Exhaust)
Thread	F (G)
Pressure medium	Air
Maximum temperature of pressure medium	60 °C
Minimum temperature of pressure medium	-5 °C [with no freezing]
Proof pressure	1.5 MPa
Maximum ambient temperature	60 °C
Minimum ambient temperature	-5 °C [with no freezing]
Sensitivity	Within 0.2% of full span
Repeatability	Within 0.5% of full span
Set pressure range	0.005 to 0.2 MPa
Air consumption (At supply pressure of 1.0 MPa)	1 l/min (ANR) or less
Max. supply pressure	1.0 MPa

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Min. supply pressure	0.05 MPa
Weight	0.130 Kg

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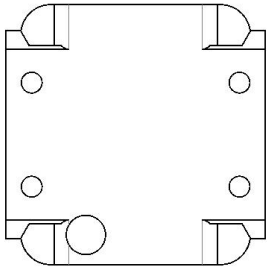
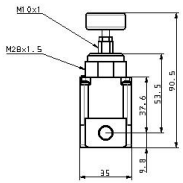
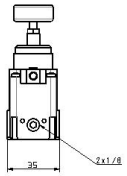
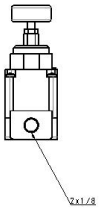
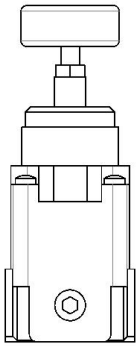
Dimensions

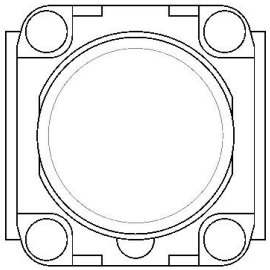












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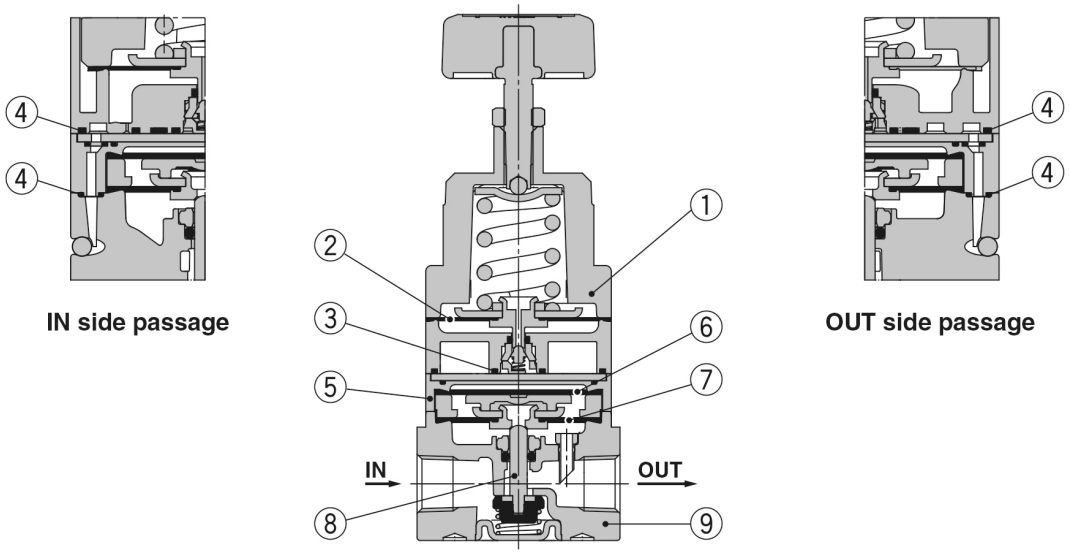
Constructions

Basic type (Knob): IR10□0-A



Component Parts

No.	Description	Material		
		IR1000-A	IR2000-A	IR3000-A
1	**Bonnet**	Aluminium die-casted		
2	**Nozzle diaphragm assembly**	Aluminium, Weather resistant NBR		
3	**Seal**	HNBR		
4	**Seal**	NBR		
5	**Diaphragm spacer**	Polyacetal		
6	**Supply diaphragm**	Weather resistant NBR		—
7	**Exhaust diaphragm assembly**	Steel, Aluminium, Weather resistant NBR		Aluminium, Weather resistant NBR, HNBR
8	**Valve assembly**	Stainless steel, Aluminium, HNBR		Aluminium, HNBR
9	**Body**	Aluminium die-casted		

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Additional information

Catalogue	IR000A-Aa_EU.pdf
Installation manuals	IM_IRx000-A_SMW54EN.pdf
Operation manuals	OM_IR1000_DOC1072958EN-A.pdf OM_IRx_OMT0020EN.pdf OM_IR1200-A_OM00008EN-A.pdf

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