

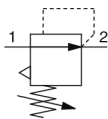
IR1000/2000/3000-A, Precision Regulator

IR1000-F01BG-A

Datasheet

General series information

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



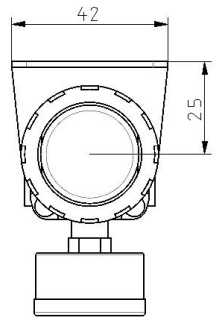
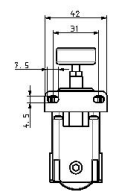
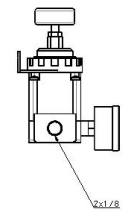
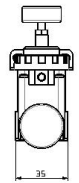
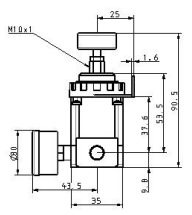
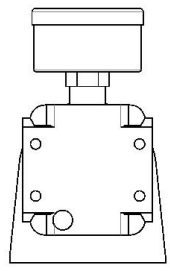
Pressure control valve, relieving pressure regulator, adjustable

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])
Exhaust Direction	0 (Bottom Exhaust)
Thread	F (G)
Port Size	01 (1/8)
Option	BG (w/Bracket + Round Type Pressure Gauge)
Semi-standard	None
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

Min. supply pressure	0.05 MPa
Weight	0.180 Kg

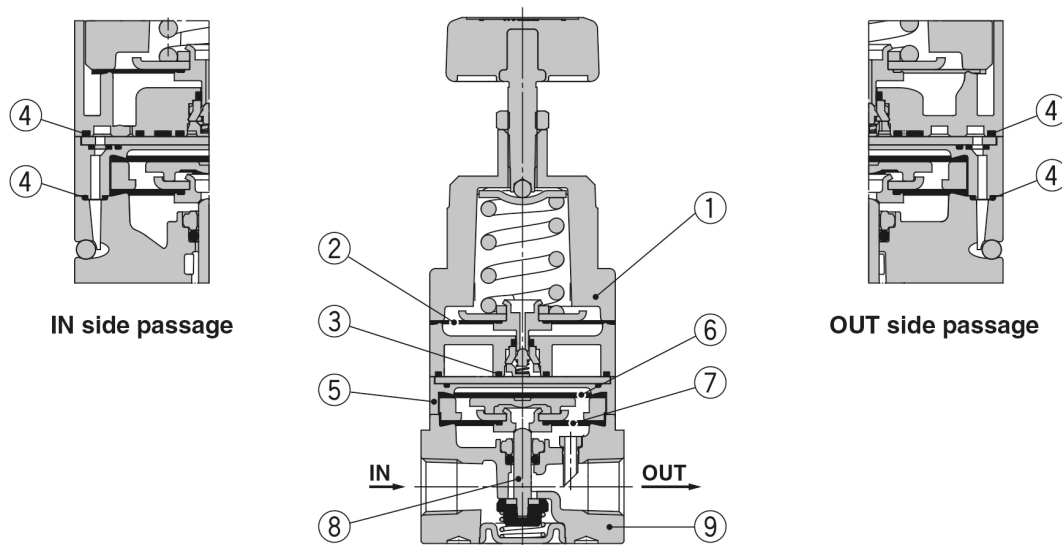
Dimensions



Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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		

Additional information

Catalogue	IR000A-Aa_EU.pdf
Installation manuals	IM_IRx000-A_SMW54EN.pdf
Operation manuals	OM_IR10_OM00008EN.pdf OM_IRx_OMT0020EN.pdf