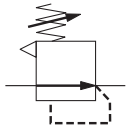


Precision pressure regulator IR series

Product Features

- Tension control
- Contact pressure control
- Set sensitivity: within 0.2%F.S.
- Repeatability: within 0.5%F.S



Schematic diagram of gas path
Basic type
(hand wheel)



Model Number

IR 1 0 0 0 - 01 B G - A

① ② ③ ④ ⑤ ⑥ ⑦

①Body size

1	IR1000
2	IR2000
3	IR3000

②Set pressure range

0	0.005~0.2MPa	IR1000, IR2000
	0.01~0.2MPa	IR3000
1	0.01~0.4MPa	IR1000, IR2000, IR3000
2	0.01~0.8MPa	IR1000, IR2000, IR3000

③Exhaust direction

0	Underside exhaust	IR1000, IR2000, IR3000
1	Front exhaust	IR3000
2	Back exhaust	IR3000

④Type of pipe thread

blank	Rc
N	NPT
F	G

⑤Nozzle diameter

1	1/8	IR1000
2	1/4	IR2000, IR3000
3	3/8	IR3000
4	1/2	IR3000

⑥Installation mode ^[1]

blank	No installation option
B ^[2]	Tape carrier
H	Nuts with Hexagon panel (for panel mounting)

【1】 B and H cannot be selected at the same time. Older brackets cannot be used on this product.

【2】 Bracket with mounting nut.

⑦manometer

blank	G	EA	EB	EC	ED
Without pressure gauge	Circular pressure gauge	2NPN	2PNP	2NPN+1Analog voltage output	2PNP+1Analog voltage output

Parameter specification

Model number	Basic type (handwheel)		
	IR10□0-A	IR20□0-A	IR30□0-A
Working fluid	air		
Guarantee pressure resistance	1.5 MPa		
Maximum supply pressure	1.0 MPa		
Minimum supply pressure ¹⁾	Set pressure + 0.05 MPa		Set pressure + 0.1 MPa
Set pressure range	IR1000-A : 0.005 ~ 0.2 MPa	IR2000-A : 0.005 ~ 0.2 MPa	IR3000-A : 0.01 ~ 0.2 MPa
	IR1010-A : 0.01 ~ 0.4 MPa	IR2010-A : 0.01 ~ 0.4 MPa	IR3010-A : 0.01 ~ 0.4 MPa
	IR1020-A : 0.01 ~ 0.8 MPa	IR2020-A : 0.01 ~ 0.8 MPa	IR3020-A : 0.01 ~ 0.8 MPa
sensitivity	Within 0.2% of the full value		
repeatability ²⁾	Within 0.5% of the full value		
Air consumption ³⁾	1 L/min (ANR) or less		
Nozzle diameter	1/8	1/4	1/4, 3/8, 1/2
manometer	1/8 (2)		
Ambient and use fluid temperature ⁴⁾	-5 ~ 60°C (unfrozen)		
weight (kg) ⁵⁾	0.13	0.23	0.47

1) There is no traffic at the egress.

2) Conditions that do not include diachronic changes, temperature characteristics and other characteristics.

3) Measurement conditions: supply pressure 1.0MPa, set pressure 0.2MPa

4) The occasion with digital pressure switch is -5~50°C.

5) Occasions without accessories.