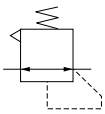
PRECISION REGULATOR

PR200



- Single diaphragm type achieves high-precision pressure regulation in a compact size.
- Push lock type regulator knob for light, smooth pressure regulation.

Symbol



Specifications

Item \ Model		PR200
Media		Air
Port size	Rc	1/4
Sensitivity	MPa [psi.]	0.001 [0.15]
Pressure setting range	MPa [psi.]	0.005～0.25 [0.7～36]
Maximum operating pressure	MPa [psi.]	0.73 [106]
Proof pressure	MPa [psi.]	1.03 [149]
Operating temperature range (atmosphere and media)	˚C [˚F]	5～60 [41～140]
Air consumption[Note]	ℓ /min [ft³/min] (ANR)	5 [0.18]
Lubrication		Not required
Mass	kg [lb.]	0.29 [0.64]
Materials		Aluminum die-casting

Note: Values are at secondary air pressure 0.25MPa [36psi.].

Order Codes

PR200 — □ — □

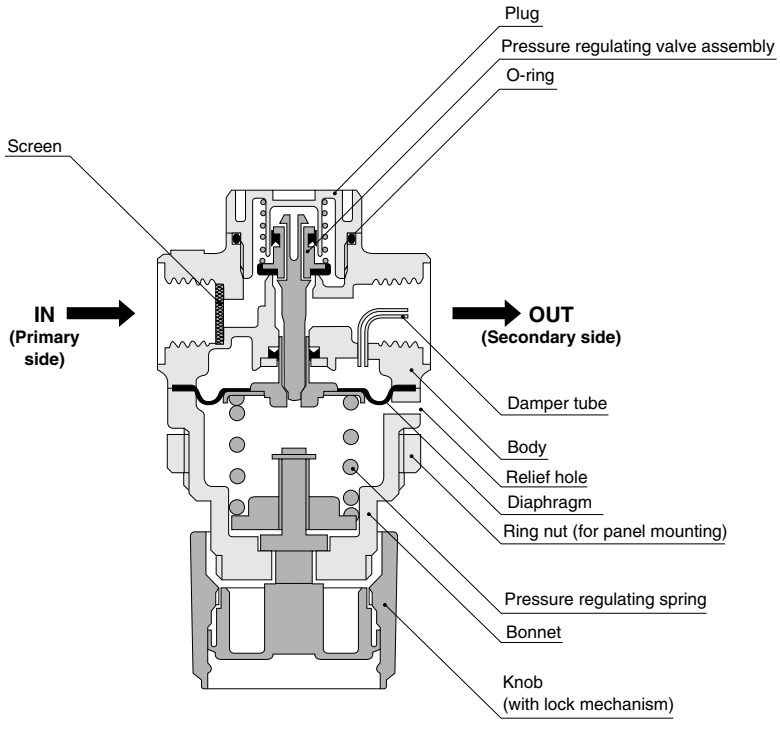
Bracket
Blank — No bracket
B — With bracket

Pressure gauge specification
Blank — No pressure gauge
G3P — With small precision pressure gauge (0.3MPa [44psi.])[Note 1]
G3PS — With small precision pressure gauge (with throttle valve) (0.3MPa [44psi.])
G3 — With pressure gauge[Note 2] (0.3MPa [44psi.])
E2 — With pressure gauge with electronic switches[Note 3] (1MPa [145psi.])
E21 — With pressure gauge with electronic switches[Note 3] (100kPa [14.5psi.])

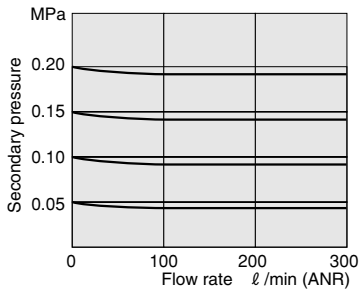
Precision regulator

Notes: 1. For details about the **G3P** small precision pressure gauge, see p.174.
2. For details about the **G3** pressure gauge, see p.172.
3. For specifications and dimensions of the pressure gauge with electronic switches, see p.177～181.

Inner Construction



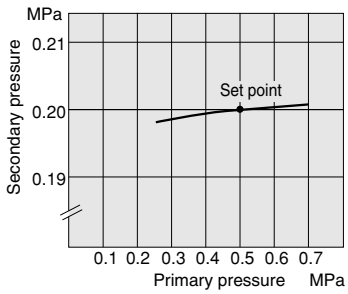
Flow Rate Characteristics



Remark: Graph shows flow rate characteristics when the primary pressure is fixed at 0.7MPa [102psi.].

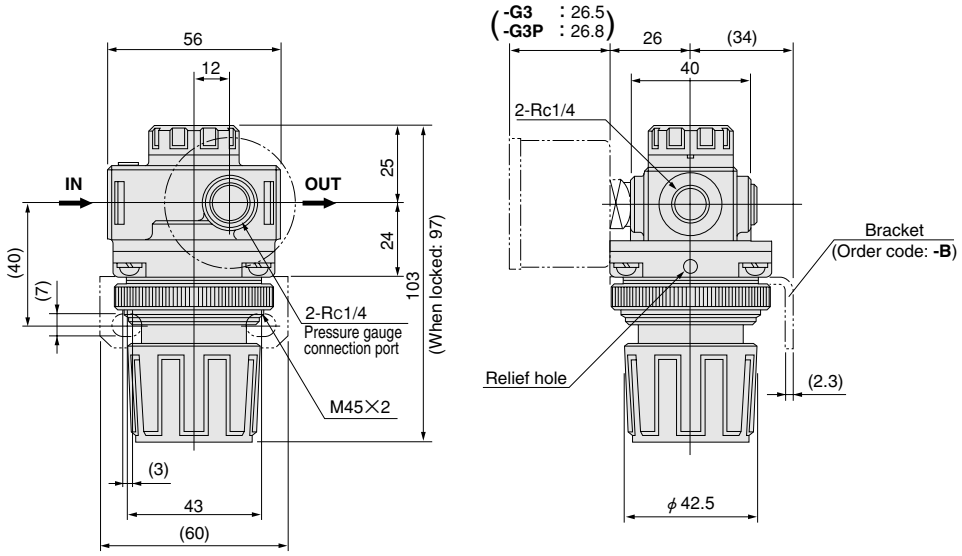
1MPa = 145psi. 1 ℓ/min = 0.0353ft³/min.

Pressure Characteristics



Dimensions of Precision Regulator (mm)

PR200



Note: The mounting hole for attaching the regulator on a panel, etc. is ϕ 46. A panel thickness of 1.5～6mm is required for mounting. Use the ring nuts provided to mount.

Options

●Pressure gauge with electronic switches: **-E2, -E21**

