

Full-Size VANGUARD Modular Internally Piloted Precision Regulators

IR100 Models Port Sizes: 1/4, 3/8, 1/2, 3/4



Model Shown: R100-6G

- ◆ Modular or inline mounting.
- ◆ Self-relieving diaphragm design.
- ◆ Easy finger adjustment. No overshoot or undershoot when adjusting.
- ◆ Constant air bleed for accuracy.
- ◆ Repeatability ± 0.5 psi (± 0.034 bar).
- ◆ Pressure gauge.
- ◆ NPTF port threads; optional SAE or BSPP threads.

SPECIFICATIONS

Ambient/Media Temperature:

40° to 125°F (4° to 52°C).

Body and Dome: Zinc.

Bonnet and Knob: Acetal.

Constant Air Bleed Rate: 0.18 – 0.33 scfm at 80 psi secondary pressure

Fluid Media: Compressed air.

Inlet Pressure: 250 psig (17 bar) maximum.

Outlet Pressure: Adjustable 15 – 200 psig (1 – 14 bar).

Pressure Gauge: 0 to 200 psig (14 bar); 1/4 NPT gauge ports front and rear.

Panel Mounting: 1-3/16 (30 mm) hole required.

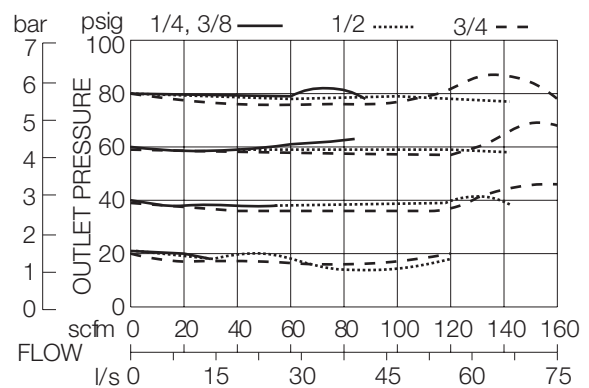
Seals: Nitrile.

Self-relieving

Valve: Brass.

FLOW CHART

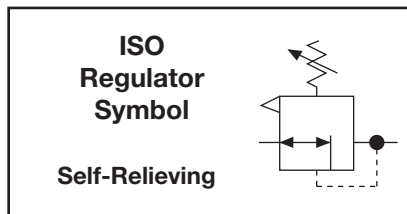
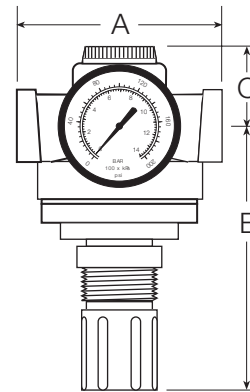
Inlet Pressure: 100 psig (7 bar)



DIMENSIONS inches (mm)

A	B	C	Depth †	Weight † lb (kg)
3.5 (89)	4.2 (106)	1.3 (33)	2.8 (71)	2.06 (0.92)

† Less gauge.



ORDERING INFORMATION

Change the letters in the sample model number below to specify the regulator you want.

IR100 - 2 Y G W

PORT SIZE

- 1/4 NPTF..... 2
- 3/8 NPTF..... 3
- 1/2 NPTF..... 4
- 3/4 NPTF..... 6
- 9/16-18 UNF SAE S6
- 3/4-16 UNF SAE S8
- 7/8-14 UNF SAE S10

PORT TYPE

- NPTF Threads Leave Blank
- BSPP threads W

OPTIONS (More than one option can be chosen)

- Delete gauge Leave Blank
- 0-160 PSI Gauge G
- Plastic mounting nut P
- Metal mounting nut..... PN
- Hex plastic mounting nut PE

OPTIONS (More than one option can be chosen)

- None.....Leave Blank
- 1.75-inch (4.5 cm) diameter adjusting knob with removable locking key.....B
- Springs: (15-200 psig standard)
- For optimum performance operating pressure should fall approximately in the middle of the spring range.
- 15-250 psig (1-17 bar)H
- 15-100 psig (1-7 bar)L

MOUNTING BRACKETS

See page 276.