

# Full-Size VANGUARD Modular General Purpose Regulators

# R100 Models Port Sizes: 1/4, 3/8, 1/2, 3/4



Model Shown: R100-6G

- ◆ Modular or inline mounting.
- ◆ Diaphragm-type design.
- ◆ Self-relieving; non-relieving optional.
- ◆ Pressure gauge.
- ◆ Pressure adjustment locking key.
- ◆ NPTF port threads; optional BSPP threads.

## SPECIFICATIONS

**Ambient/Media Temperature:**

40° to 175°F (4° to 79°C).

**Body:** Zinc.

**Dome:**

Nylon; aluminum with optional 0-175 psig spring.

**Fluid Media:** Compressed air.

**Inlet Pressure:** 300 psig (21 bar) maximum.

**Knob:** Acetal.

**Outlet Pressure:** Adjustable up to 125 psig (8.6 bar).

**Pressure Adjustment Locking Key:** Removable.

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

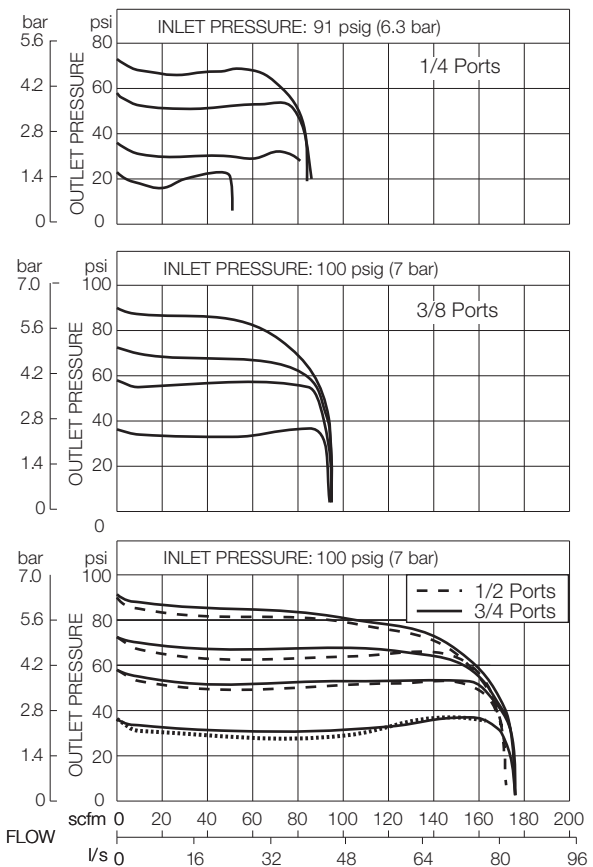
**Panel Mounting:** 2-1/16 inch (52 mm) hole required.

**Seals:** Nitrile.

**Valve:** Brass.

**Valve Cap:** Nylon.

## FLOW CHARTS



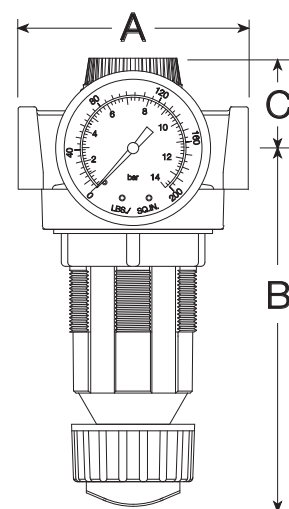
**DIMENSIONS** inches (mm)

A	B *	C **	Depth †	Weight † lb (kg)
3.5 (89)	5.8 (146)	1.3 (33)	2.8 (71)	2.06 (0.92)

\* Dome removal clearance: add 0.63 (16).

\*\* Cap removal clearance: add 0.5 (13).

† Less gauge.



**ORDERING INFORMATION**

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

**R100 - 2 Y G W**

**PORT SIZE**

- 1/4 NPTF..... 2
- 3/8 NPTF..... 3
- 1/2 NPTF..... 4
- 3/4 NPTF..... 6

**PORT TYPE**

- NPTF threads ..... Leave Blank
- BSPF threads ..... W

**OPTIONS** (More than one option can be chosen. Add in alphabetical order)

- None ..... Leave Blank
- 0-200 psig Gauge ..... G
- Mounting nut ..... P

**OPTIONS** (More than one option can be chosen. Add in alphabetical order)

- None.....Leave Blank
- Non-relieving ..... A
- Internal bypass-reverse flow ..... E
- Springs: (0-125 psig standard)
  - For optimum performance operating pressure should fall approximately in the middle of the spring range.
  - 0-175 psig (0-12 bar) ..... H\*\*
  - 0-50 psig (0-3.4 bar) ..... L
  - 0-20 psig (0-1.4 bar)..... L20
- Metal Dome ..... MD
- Limit maximum psig setting .... M\*
- Tee handle..... T
- Viton Seals ..... V

\* Insert maximum limited pressure.

\*\* H option spring includes metal dome

**MOUNTING BRACKETS**

See page 320.