

High-Flow VANGUARD External Relief Piloted Regulator

PRH180M Models Port Sizes: 3/4, 1, 1-1/4, 1-1/2



Model Shown: PRH180M-8G

SPECIFICATIONS

Ambient/Media Temperature:

40° to 175°F (4° to 79°C).

Body: Aluminum.

Dome: Zinc.

Fluid Media: Compressed air.

Inlet Pressure: 300 psig (21 bar) maximum.

Outlet Pressure: 0 to 200 psig (0 to 14 bar).

Pilot Ports: 1/4 NPTF.

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

Seals: Nitrile.

Valve: Aluminum.

Valve Cap: Nylon.

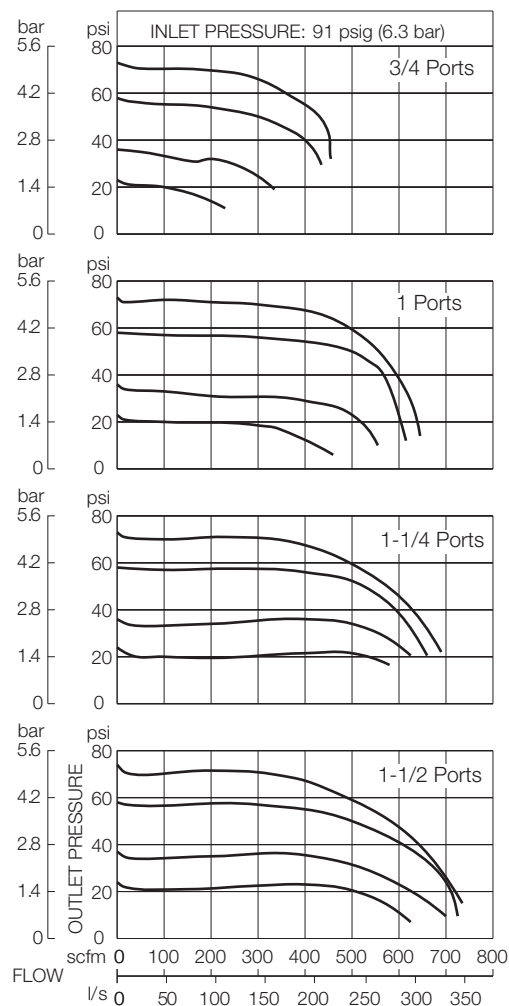
Note: Pilot (control) regulators (order separately).

- ◆ General purpose applications order R56M-2, R60-2, R67-2, R100-2, or R380-3
- ◆ Precision applications order IR100-2, R57M-2, IR380-3 or ER valve

High-Flow external relief piloted regulator separate control air from exhaust air.

- ◆ Inline mounting.
- ◆ Diaphragm-type design.
- ◆ Self-relieving.
- ◆ Pressure gauge.
- ◆ **NPTF** port threads; optional **BSPP** threads.
- ◆ @ 80 psi with 15 psi back pressure the relief is 10 scfm.

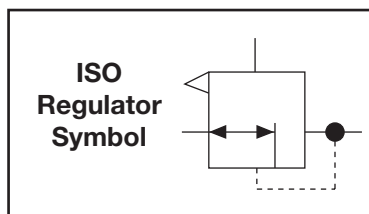
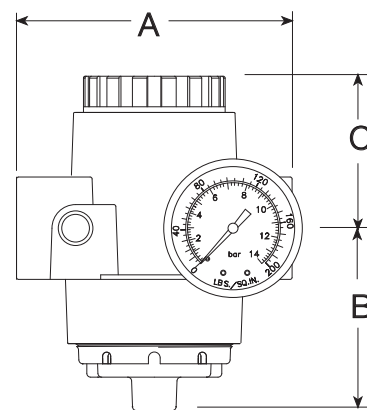
FLOW CHARTS



DIMENSIONS inches (mm)

Ports	A	B	C	Depth †	Weight †
					lb (kg)
3/4 1	4.4 (111)	2.9 (74)	2.4 (62)	2.8 (71)	1.88 (0.85)
1-1/4 1-1/2	4.9 (124)	3.2 (81)	2.1 (54)	2.8 (71)	2.25 (1.02)

† Less gauge.



ORDERING INFORMATION

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

NOTE: Order a pilot operator such as **R55-2, R56-2,** or **IR100-2** separately.

PRH180M - 6 G W

PORT SIZE

- 3/4 NPTF..... 6
- 1 NPTF 8
- 1-1/4 NPTF 10*
- 1-1/2 NPTF 12*

PORT TYPE

- NPTF threads Leave Blank
- BSP threads W

OPTION

- None Leave Blank
- 0-200 PSI Gauge G

* No mounting bracket available.

High-Flow VANGUARD Externally Piloted Regulators

R200 Models Port Sizes: 1-1/2, 2



Model Shown: R200-12G

- ◆ Inline mounting.
- ◆ Piston-type design.
- ◆ Self-relieving.
- ◆ Pressure gauge.
- ◆ NPTF port threads; optional BSPP threads.

Note: Pilot (control) regulators (order separately).

- ◆ General purpose applications order R56M-2, R60-2, R67-2, R100-2, or R380-3
- ◆ Precision applications order IR100-2, R57M-2, IR380-3 or ER valve

SPECIFICATIONS

Ambient/Media Temperature:

40° to 175°F (4° to 79°C).

Body and Dome: Aluminum.

Fluid Media: Compressed air.

Inlet Pressure: 300 psig (21 bar) maximum.

Outlet Pressure: 0 to 200 psig (0 to 14 bar).

NOTE: Outlet pressure depends on the selection of the control regulator.

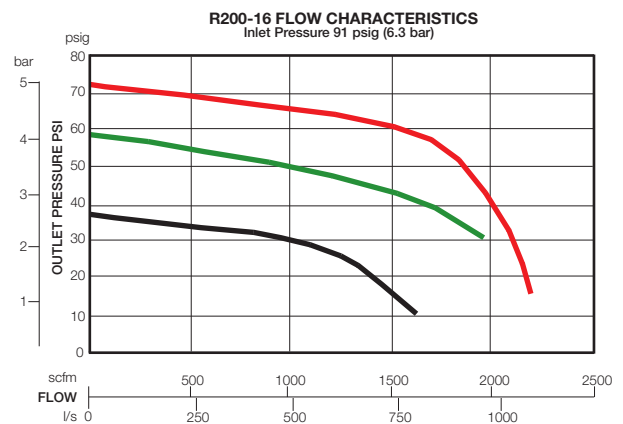
Pilot Ports: 1/4 NPTF.

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

Seals: Nitrile; optional Viton seals.

Valve: Brass.

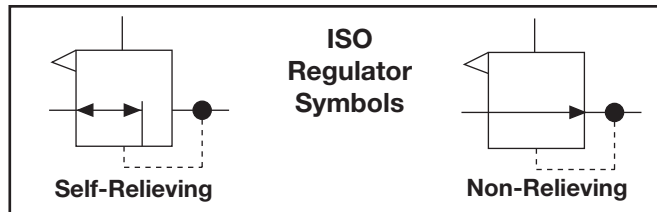
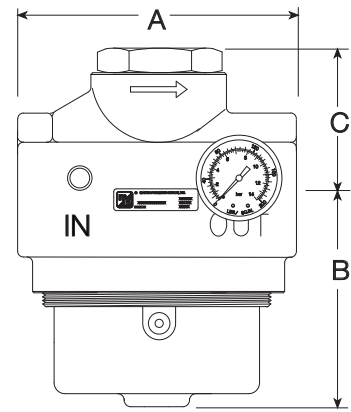
Valve Cap: Aluminum.



DIMENSIONS inches (mm)

A	B	C	Depth †	Weight †
				lb (kg)
6.4 (162)	5.0 (127)	3.0 (76)	5.8 (147)	8.94 (4.06)

† Less gauge.



ORDERING INFORMATION

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

NOTE: Order a control regulator such as R55M, R56M, R57M, R100, R380, IR100, or IR180 separately.

R20 0 - 12 Y G W

REGULATOR TYPE

- Standard Regulator 0
 - Standard Regulator with 2
- internal bias spring and gauge port plugged.

PORT SIZE

- 1-1/2 NPTF 12
- 2 NPTF 16

OPTIONS (More than one option can be chosen)

- None Leave Blank
 - Non-relieving A
 - Constant bleed Q
- Option '0' must be chosen under REGULATOR TYPE.**
- Viton seals V

PORT TYPE

- NPTF threads Leave Blank
- BSPP threads W

OPTION

- None Leave Blank
- 0-200 PSI Gauge G

High-Flow VANGUARD Externally Piloted Regulators

PR300 Models Port Sizes: 3



Model Shown: PR300-24G

- ◆ Inline mounting.
- ◆ Piston-type design.
- ◆ Self-relieving.
- ◆ Pressure gauge.
- ◆ Optional remote sensing.
- ◆ Aluminum body and dome.
- ◆ Flow rates exceeding 4,000 SCFM
- ◆ **NPTF** port threads; optional **BSPP** threads.

Note: Pilot (control) regulators (order separately).

- ◆ General purpose applications order R56M-2, R60-2, R67-2, R100-2, or R380-3
- ◆ Precision applications order IR100-2, R57M-2, IR380-3 or ER valve

SPECIFICATIONS

Ambient/Media Temperature:

40° to 175°F (4° to 79°C).

Body and Dome: Aluminum.

Fluid Media: Compressed air.

Inlet Pressure: 300 psig (21 bar) maximum.

Outlet Pressure: 0 to 200 psig (0 to 14 bar).

NOTE: Outlet pressure depends on the selection of the control regulator.

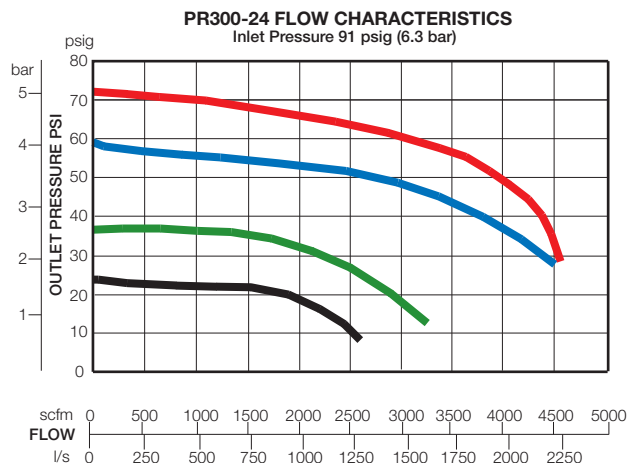
Pilot Ports: 1/4 NPTF.

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

Seals: Nitrile, Optional Viton

Valve: Aluminum.

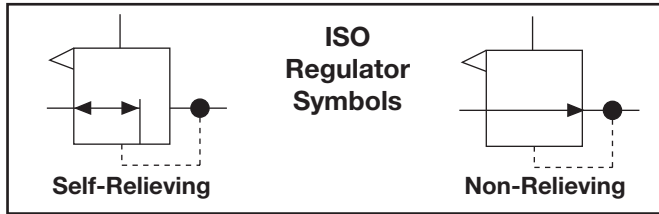
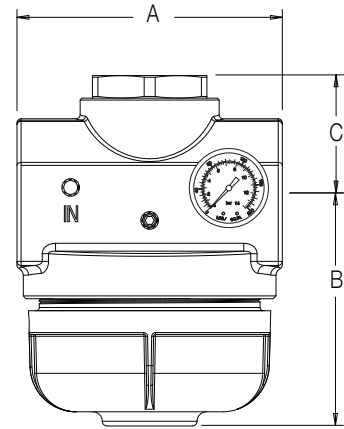
Valve Cap: Aluminum.



DIMENSIONS inches (mm)

A	B	C	Depth †	Weight † lb (kg)
8.40 (214)	7.36 (187)	3.74 (95)	8.00 (203)	21.7 (9.88)

† Less gauge.



ORDERING INFORMATION

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

NOTE: Order a control regulator such as R55M, R56M, R57M, R100, R380, IR100, or IR380 separately.

PR30 0 - 24 A G W

REGULATOR TYPE

- Standard Regulator 0
- Remote Sensing Regulator 1
- Standard Regulator with2
internal Bias spring and gauge
port plugged.
- Remote Sensing Regulator3
with internal Bias spring and
gauge port plugged.

PORT SIZE

- 3 NPTF 24

OPTIONS

- Relieving Leave Blank
- Non-relieving A
- Constant bleed Q
- Option '0' must be chosen
under REGULATOR TYPE.**
- Viton Seals V

PORT TYPE

- NPTF threads Leave Blank
- BSPP threads W

GAUGE OPTION

- None Leave Blank
- 0-200 PSI Gauge G