High-relief pilot operated regulator

HPR251 Models
Port Sizes: 1-1/2, 2

Model Shown: HPR251-12G

Designed for systems that require high flow, high-relief and pressure regulation. This unit can be installed in an inaccessible location with a control regulator in an accessible location.

- Diaphragm design. Excellent pressure regulation and stability.
- High-relief characteristics up to 200 **SCFM**.
- Balanced valve minimizes effect of pressure changes on inlet pressure.
- Inline mounting.
- 3/4-14 **NPTF** exhaust port.
- Self relieving.
- **NPTF** port threads; **ISO G** type (parallel) optional
- Integral pilot regulator porting.
- 1/4-18 **NPTF** auxiliary inlet pressure port

SPECIFICATIONS

Inlet Pressure Range:
10 PSIG (min) to 450 PSIG (max) (0.7 TO 31 bar)

Outlet PSI Range: 0-250 PSI (17.2 bar)

Operating Temp: 0°F TO 175°F (-18°C to 79°C)
(Air moisture content must be dry)

Flow Rating: Flow rates exceed 2,000 SCFM.

Body: Cast aluminum

Dome: Cast aluminum

Cap: Teflon coated aluminum

Valve: Nitrile bonded aluminum

Elastomers: Nitrile

Ports: 2" or 1-1/2-NPTF

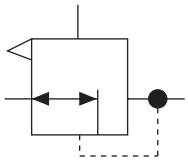
Gauge Ports: 1/4-NPTF

Exhaust Port: 3/4-NPTF

NOTE:
Pilot (control) regulators (Order separately).

- General purpose order **R56M-2**, **R350-2** and **R67-2**
- Precision applications order **ER** valve, **IR380-2**, and **R57M-2.**

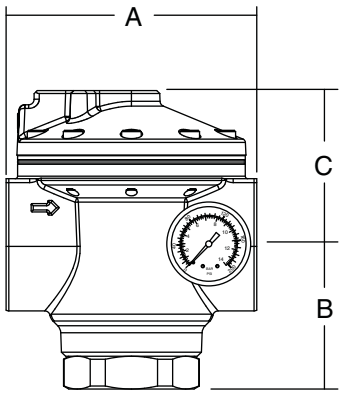
ISO
Regulator Symbols

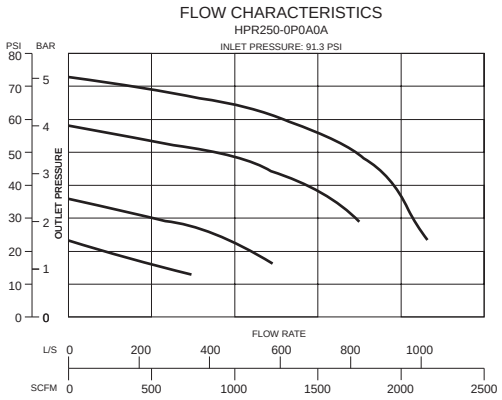


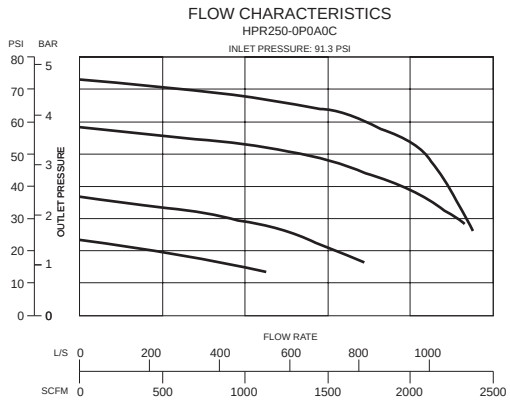
DIMENSIONS inches (mm)

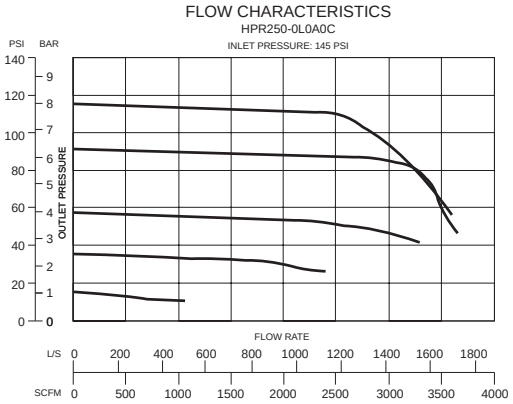
PORTS	A	B	C	DEPTH †	WEIGHT lb (kg) †
1-1/2	6 (152.4)	3.5 (88.9)	3.7 (94)	5.5 (139.7)	7.15 (3.25)
2	6 (152.4)	3.5 (88.9)	3.7 (94)	5.5 (139.7)	6.87 (3.12)

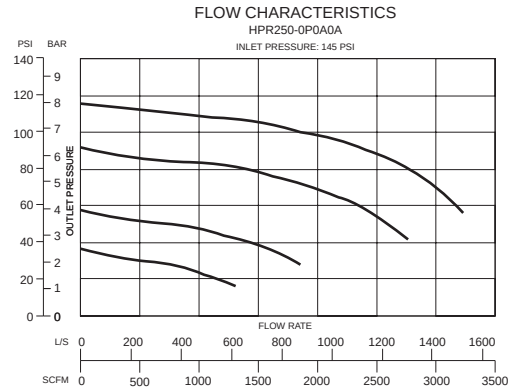
† Less gauge.











ORDERING INFORMATION

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

HPR251 - 12 A G W

PORT SIZE
1-1/2 NPTF 12
2 NPTF 16

OPTIONS
(More than one option can be chosen)
None ..... Leave Blank
Relieving .....Leave Blank
Non-relieving ..... A

PORT TYPE
NPTF threads ..... Leave Blank
BSPP threads ..... W

GAUGE OPTION
None .....Leave Blank
0-200 PSI Gauge .....G
0-300 PSI Gauge G2