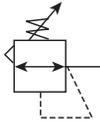


Hi-Flow Regulators

R119 Regulators – Hi-Flow

- High flow performance featuring rugged design for the most demanding applications
- Ideal for those installations calling for constant pressure with wide variation in flow
- Diaphragm operated design with balanced poppet design for quick and accurate regulation
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Heavy duty tee handle adjustment
- Reverse flow version available
- 3/4", 1", 1-1/2" ports (NPT, BSPP)



Port size	Description (0-125 psig reduced pressure)	Part number
3/4"	Without gauge, relieving, NPT	R119-06C
3/4"	With gauge, relieving, NPT	R119-06CG
1"	Without gauge, relieving, NPT	R119-08C
1"	With gauge, relieving, NPT	R119-08CG
1-1/2"	Without gauge, relieving, NPT	R119-12C
1-1/2"	With gauge, relieving, NPT	R119-12CG

Operating information

Supply pressure (max):	300 psig (0 to 20.7 bar)
Reduced pressure range:	2 to 125 psig (0.15 to 8.5 bar)
Operating temperature:	40°F to 125°F (4.4°C to 52°C)
Flow capacity†:	
High flow	3/4" 300 scfm (141.6 dm ³ /s, ANR)
	1" 400 scfm (188.8 dm ³ /s, ANR)
	1-1/2" 500 scfm (236 dm ³ /s, ANR)
Gauge ports (2):	1/4 inch
Weight:	
	3/4" 6.2 lb (2.81 kg)
	1" 6.2 lb (2.81 kg)
	1-1/2" 7.2 lb (3.27 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 75 psig no flow secondary setting and 20 psig pressure drop.

Ordering information:

R119	-	06	C		/**
Port Threads		Port Size			Engineering Level
NPT	-	3/4 inch	06		/** Will be entered at Factory
G BSPP	G	1 inch	08		
		1-1/2 inch	12		
		Reduced Pressure Range			Options
		0-125 psig	C		Blank
		0-250 psig	D		G
					K
					X64**
					X80*
					X7

* Reverse flow for use downstream of control valves.
** Brass bottom plug standard with X64 option.

Most popular.



For inventory, lead times, and kit lookup, visit www.pdnplu.com

Hi-Flow Regulators

Material Specifications

Adjusting screw, springs	Steel
Body, spring cage	Zinc
Bottom plug	Nylon
Innervalve	Brass
Seals	Buna N

Repair and Service Kits

2" dial face 60 psig (0 to 4.1 bar), gauge	K4520N14060
2" dial face 160 psig (0 to 11.0 bar), gauge	K4520N14160
2" dial face 300 psig (0 to 20.7 bar), gauge	K4520N14300
1-3/4" digital round face 160 psig (0 to 11.0 bar), gauge	K4517N14160D
Mounting bracket kit	18B57
Non-relieving diaphragm, valve assembly (3/4", 1")	RK118B
Non-relieving diaphragm, valve assembly (1-1/2")	RK118D
Relieving diaphragm, valve assembly (3/4", 1")	RK119B
Relieving diaphragm, valve assembly (1-1/2")	RK119D

For Fluorocarbon Repair Kits, add X64 to kit number suffix.

WARNING

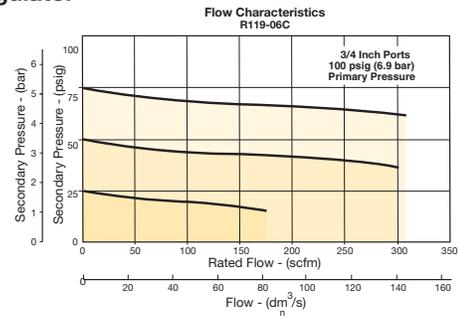
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.**

CAUTION:

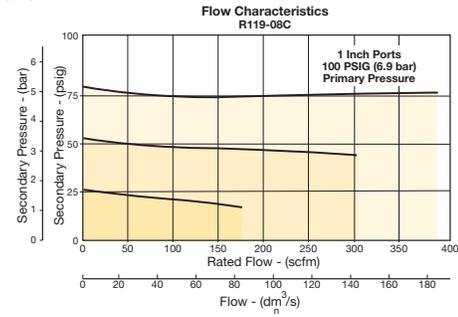
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design. For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

Flow Charts

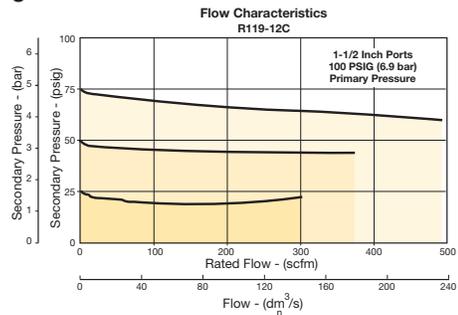
3/4" Regulator



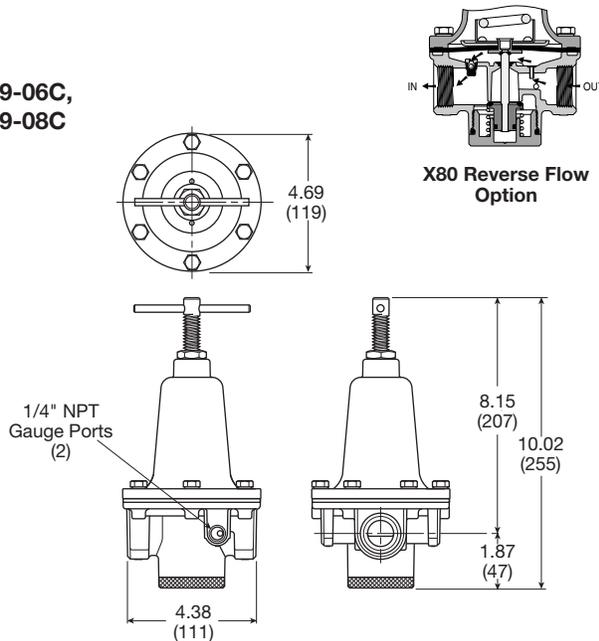
1" Regulator



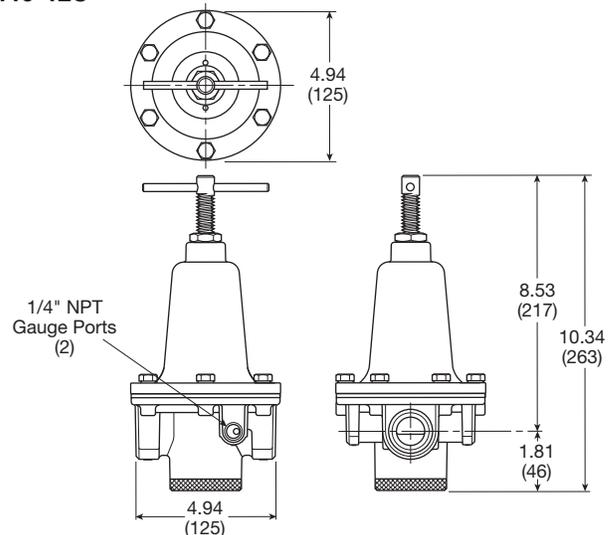
1-1/2" Regulator



R119-06C, R119-08C



R119-12C



Inches (mm)



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