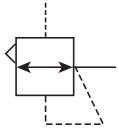
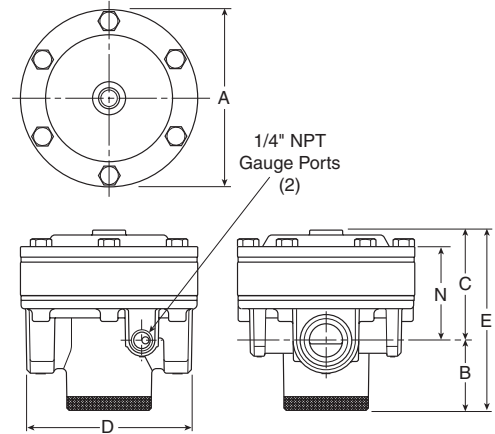


**R119 Pilot Operated Regulators - Hi-Flow**



**Features**

- Adapted for control by a remote or distant small pilot regulator. Ideal for maximum capacity requirements in applications where units are not readily accessible.
- 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 and constant bleed pilot for quick and accurate regulation.
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Reverse flow version available.
- High Flow: 3/4" & 1" – 300 SCFM<sup>§</sup>  
 1-1/4" & 1-1/2" – 500 SCFM<sup>§</sup>



R119-06J, R119-08J Pilot Regulator Dimensions					
A	B	C	D	E	N
4.72 (120)	1.87 (47)	2.94 (75)	4.38 (111)	4.81 (122)	2.47 (63)
R119-10J, R119-12J Pilot Regulator Dimensions					
A	B	C	D	E	N
4.94 (125)	1.81 (46)	3.32 (84)	4.94 (125)	5.13 (130)	2.88 (73)

inches (mm)

Port Size	NPT
	Relieving
Without Gauge 0-125 psig Reduced Pressure	
3/4"	<b>R119-06J</b>
1"	<b>R119-08J</b>
1-1/4"	<b>R119-10J</b>
1-1/2"	<b>R119-12J</b>

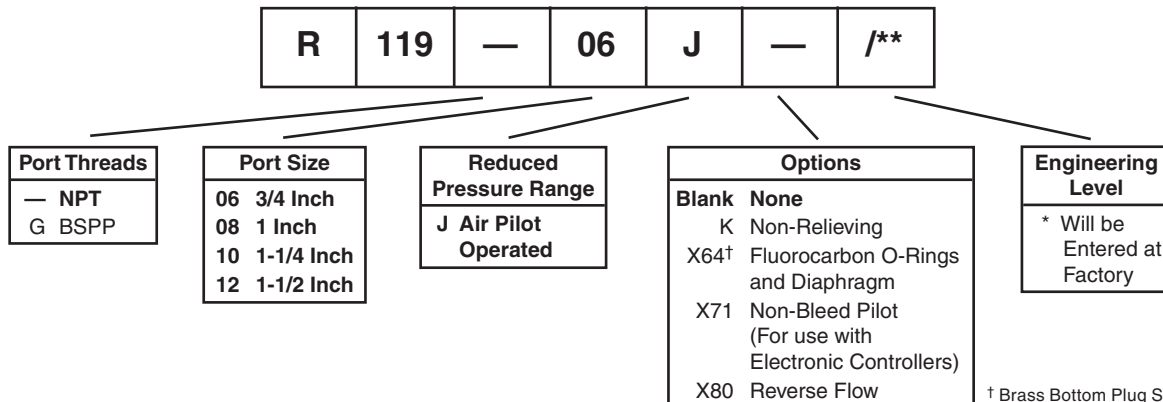
Standard part numbers shown bold. For other models refer to ordering information below.

§ SCFM = Standard Cubic Feet Per Minute at 100 psig Inlet, 75 psig No Flow Secondary Setting, and 20 psig Pressure Drop.

**⚠ WARNING**

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

**Ordering Information**



† Brass Bottom Plug Standard with X64 Option.

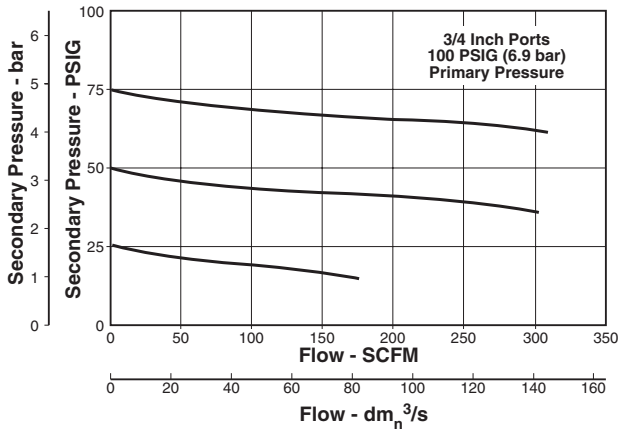
**BOLD ITEMS ARE MOST POPULAR.**



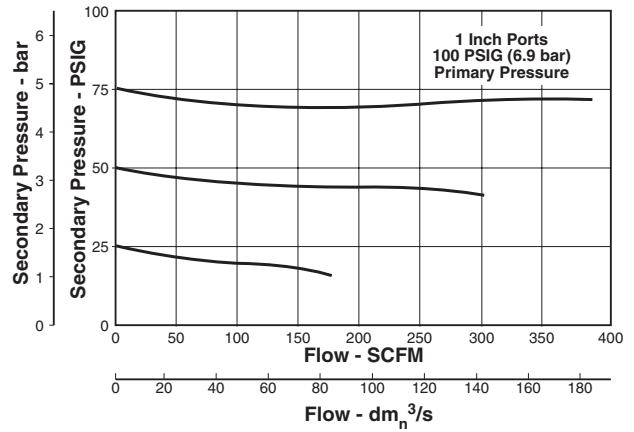
**Technical Information**

C
Product Selection
Filters
Coalescers
Regulators
Filter / Regulators
Lubricators
Combos
Accessories

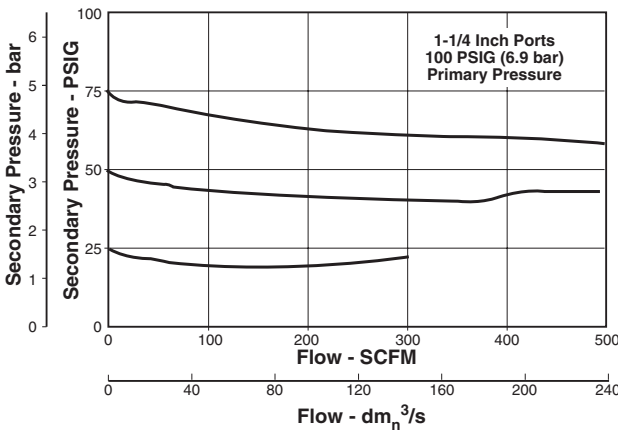
**Flow Characteristics**  
**R119-06J**



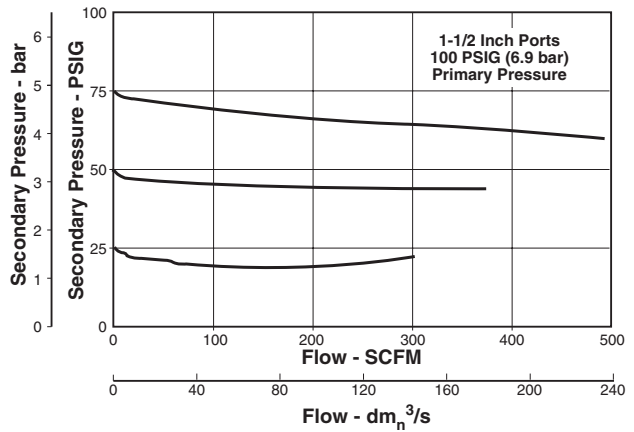
**Flow Characteristics**  
**R119-08J**



**Flow Characteristics**  
**R119-10J**



**Flow Characteristics**  
**R119-12J**



**R119 Regulator Kits & Accessories**

**Gauges –**

- 2" Dial Size, 1/4" Back Connection  
 0 to 60 psig (0 to 400 kPa) .....K4520N14060
- 2" Dial Size, 1/4" Back Connection  
 0 to 160 psig (0 to 1100 kPa) ..... K4520N14160
- 2" Dial Size, 1/4" Back Connection  
 0 to 300 psig (0 to 2068 kPa) .....K4520N14300

**Repair Kits –**

- Non-Relieving Diaphragm,  
 Valve Assembly (3/4", 1") .....RK118X20B
- Non-Relieving Diaphragm,  
 Valve Assembly (1-1/4", 1-1/2") .....RK118X20D
- Relieving Diaphragm,  
 Valve Assembly (3/4", 1") .....RK119X20B
- Relieving Diaphragm,  
 Valve Assembly (1-1/4", 1-1/2") .....RK119X20D

For Fluorocarbon Repair Kits, add X64 to Kit Number suffix.

**Specifications**

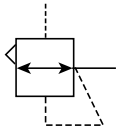
- Gauge Ports (2)** .....1/4 Inch
- Port Threads** ..... 3/4, 1, 1-1/4, 1-1/2 Inch
- Reduced Pressure Range –**  
 Adjustable to Within 5 to 7 psig of Supply Pressure
- Supply Pressure** ..... 300 psig Maximum (20.4 bar)
- Air Consumption –**  
 Constant Bleed from Air Pilot Chamber:  
 Approximately 0.17 SCFM (10 SCFH)
- Temperature Rating** ..... 40°F to 125°F (4.4°C to 52°C)
- Weight –**  
 R119-06J, R119-08J ..... 5.2 lb. (2.36 kg) / Unit  
 42 lb. (19.05 kg) / 8-Unit Master Pack  
 R119-10J, R119-12J ..... 5.6 lb. (2.54 kg) / Unit  
 46 lb. (20.87 kg) / 8-Unit Master Pack

**Materials of Construction**

- Body, Ring, Top Plate** .....Zinc
- Bottom Plug, Innervale** ..... Brass
- Seals** ..... Buna N

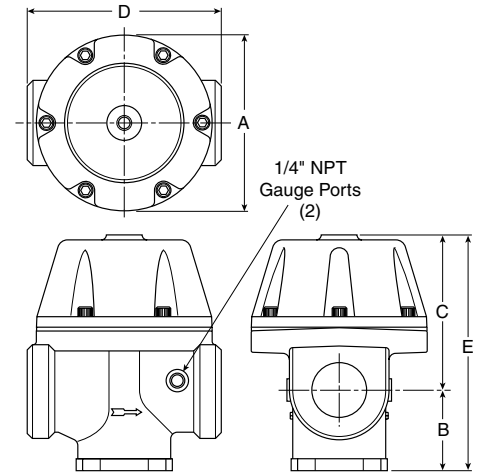


## R119 Pilot Operated Regulators - Hi-Flow



### Features

- Adapted for control by a remote or distant small pilot regulator. Ideal for maximum capacity requirements in applications where units are not readily accessible.
- High flow performance featuring rugged design for the most demanding applications.
- Ideal for those installations calling for constant pressure with wide variation in flow.
- Piston operated design with balanced poppet and dual constant bleed for quick and accurate regulation.
- High Flow: 2" & 2-1/2" – 1800 SCFM<sup>§</sup>



Port Size	NPT
	Relieving
Without Gauge 0-125 psig Reduced Pressure	
2"	<b>R119-16J</b>
2-1/2"	<b>R119-20J</b>

R119-16J, R119-20J Pilot Regulator Dimensions				
A	B	C	D	E
6.63 (168)	3.09 (79)	7.78 (147)	7.31 (185)	10.87 (276)

inches (mm)

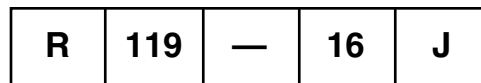
Standard part numbers shown bold. For other models refer to ordering information below.

§ SCFM = Standard Cubic Feet Per Minute at 100 psig Inlet, 75 psig No Flow Secondary Setting, and 20 psig Pressure Drop.

### **⚠ WARNING**

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

### Ordering Information



Port Threads
— NPT
G BSPP

Port Size
16 2 Inch
20 2-1/2 Inch

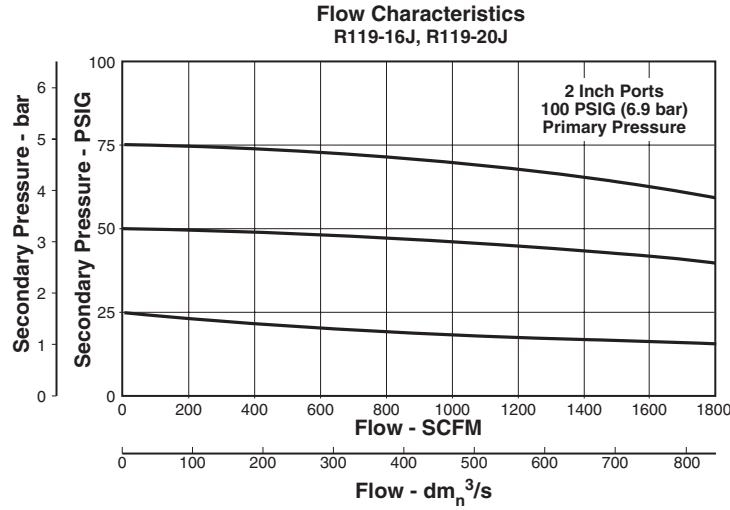
Reduced Pressure Range
J Air Pilot Operated

NOTE: Non-Relieving Not Available.

**BOLD ITEMS ARE MOST POPULAR.**



**Technical Information**



**R119 Regulator Kits & Accessories**

- Gauges –**  
2" Dial Size, 1/4" Back Connection  
0 to 60 psig (0 to 400 kPa) .....K4520N14060  
2" Dial Size, 1/4" Back Connection  
0 to 160 psig (0 to 1100 kPa) ..... K4520N14160  
2" Dial Size, 1/4" Back Connection  
0 to 300 psig (0 to 2068 kPa) .....K4520N14300
- Repair Kits –**  
Piston Type Regulation (2", 2-1/2") ..... RK119G

**Specifications**

- Gauge Ports (2)** ..... 1/4 Inch  
(Can be used for Full Flow)  
High Pressure Outlet for Pilot (Not seen in photo) ..... 1/4 Inch
- Port Threads** .....2, 2-1/2 Inch
- Reduced Pressure Range –**  
Adjustable to Within 5 to 7 psig of Supply Pressure
- Supply Pressure** ..... 300 psig Maximum (20.4 bar)
- Air Consumption –**  
Constant Bleed from Air Pilot Chamber:  
Approximately 0.17 SCFM (10 SCFH)  
Constant Bleed from Reduced Pressure:  
Approximately 0.17 SCFM (10 SCFH)
- Temperature Rating** ..... 40°F to 120°F (4.4°C to 48.9°C)
- Weight –**  
R119-16J, R119-20J ..... 15 lb. (6.80 kg) / Unit  
15 lb. (6.80 kg) / 1-Unit Master Pack

**Materials of Construction**

- Body, Piston** ..... Aluminum  
**Seals** ..... Buna N  
**Internvalve** ..... Brass & Stainless

<b>C</b>
Product Selection
Filters
Coalescers
Regulators
Filter / Regulators
Lubricators
Combos
Accessories