

General

Dial

Pilot

Proportional

Precision

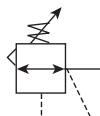
Water

K

Regulator
Products

14R Regulators – Miniature

- Unbalanced poppet standard
- Solid control piston with lip seal for extended life
- Non-rising adjusting knob
- Compact design
- Very easy to service
- 1/8", 1/4" ports (NPT, BSPP, BSPT)



Port size	Description	Part number
1/8"	Without gauge	14R013FC
1/8"	With gauge	14R018FC
1/4"	Without gauge	14R113FC
1/4"	With gauge	14R118FC

NOTE: 1.218 Dia. (31 mm) hole required for panel mounting.

Operating information

Supply pressure (max):	0 to 300 psig (0 to 20.7 bar)
Secondary pressure ranges	
Standard	2 to 125 psig (0 to 8.6 bar)
Medium	1 to 60 psig (0 to 4.1 bar)
Medium	1 to 30 psig (0 to 2.1 bar)
Low	1 to 15 psig (0 to 1 bar)
Operating temperature:	32°F to 125°F (0°C to 52°C)
Low temperature	-4°F to 125°F (-20°C to 52°C)
Flow capacity†:	
High flow	13 scfm (6.1 dm³/s, ANR)
1/4"	15 scfm (7.1 dm³/s, ANR)
Gauge ports (2):	1/8 or 1/4 inch
Weight:	0.3 lb (0.14 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

14R	1	13	F	C			
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Port Size	
1/8 inch pipe, 1/8 inch gauge port	0
1/4 inch pipe, 1/8 inch gauge port	1
1/4 inch pipe, 1/4 inch gauge port	B
1/8 inch pipe, no gauge port	C
Manifold mounting	M

Port Type	
Blank	NPT
1	BSPP
2	BSPT

Preset / Pressure Limited	
Blank	None
XXX*	Preset pressure
XXX*	Pressure limited

* Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory.
(Example: 065 = 65 psig)

Pressure Range			
Yellow Knob		Black Knob	
Without gauge			
30 psig	10	30 psig	B0
60 psig	11	60 psig	B1
15 psig	12	15 psig	B2
125 psig	13	125 psig	B3
With gauge*			
30 psig	15	30 psig	B5
60 psig	16	60 psig	B6
15 psig	17	15 psig	B7
125 psig	18	125 psig	B8

* Not available with BSPP or BSPT port types.

Relief	
F	Relieving
G	Non-relieving
H	Low temp. relieving
J	Low temp. non-relieving

Options	
Blank	No options
L†	Preset non-adjustable
P†	Preset adjustable
S†	Pressure limiter max. adjustable
T†	Pressure limiter max. non-adjustable

† Inlet pressure is 100 psig. For other pressures contact factory.

Spring Type by Preset / Limited Pressure:
 For Preset / Limited Pressure 10 to 25 use 30 psi spring
 For Preset / Limited Pressure 26 to 50 use 60 psi spring
 For Preset / Limited Pressure 51 to 90 use 125 PSI Spring

Most popular.

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

K2

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Miniature Regulators

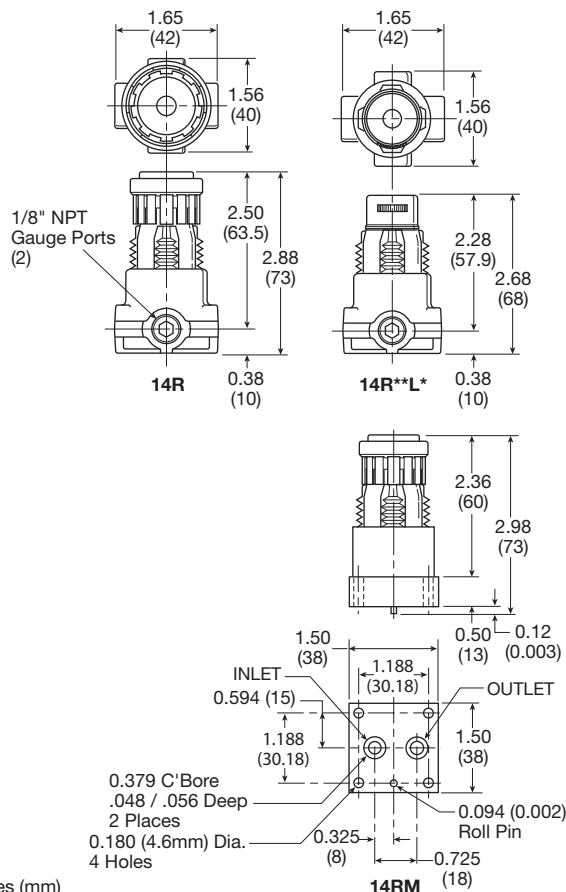
Material Specifications

Adjusting nut	Brass
Adjusting stem & spring	Steel
Body	Zinc
Bonnet, seat, piston & valve poppet	Plastic
Seals	Nitrile

Repair and Service Kits

Bonnet assembly kit	L01369
Bonnet tamperproof kit	P01265
30 psig gauge, 1/8" NPT (0 to 2.1 bar)	K4515N18030
60 psig gauge, 1/8" NPT (0 to 4.1 bar)	K4515N18060
160 psig gauge, 1/8" NPT (0 to 11.0 bar)	K4515N18160
60 psig gauge, 1/4" NPT (0 to 4.1 bar)	K4520N14060
160 psig gauge, 1/4" NPT (0 to 11.0 bar)	K4520N14160
Mounting bracket kit* (includes panel mount nut)	PS417BP
Plastic panel mount nuts*	P78652
Metal panel mount nuts*	P01531
Unbalanced non-relieving, poppet / piston kit	PS428P
Unbalanced relieving, poppet / piston kit	PS426P
1-15 psig spring (yellow)	P01176
1-30 psig spring (black)	P01175
1-60 psig spring (white)	P01174
2-125 psig spring (gold)	P01173

* Tighten panel mount nut 2.8 to 3.4 Nm (25 to 30 in-lbs) of torque.

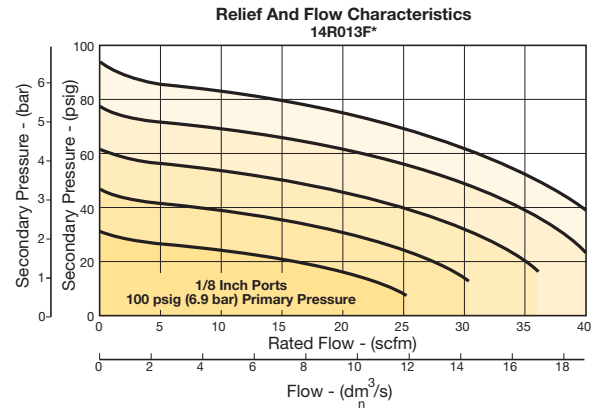


Inches (mm)

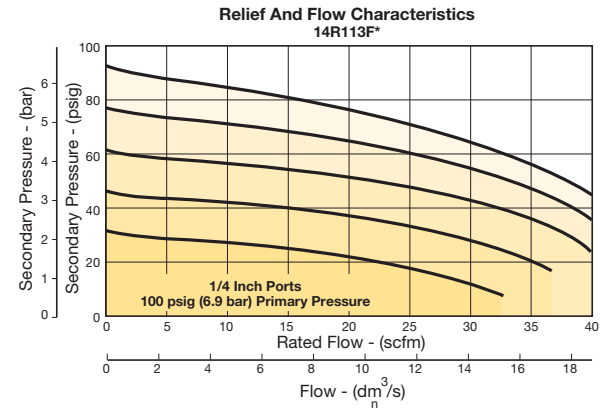
Air Preparation Products Regulator Products

Flow Charts

1/8" Ports



1/4" Ports



WARNING

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

CAUTION:

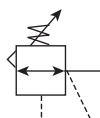
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting 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.



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

P3A-R Regulators – Miniature

- Lightweight plastic body
- Non-rising adjusting knob
- Solid control piston with lip seal for extended life
- Unbalanced poppet standard
- Two full flow 1/8" gauge ports
- Reverse flow capability
- 1/8", 1/4" ports (NPT)



Port size	Description	Part number
1/8"	Without gauge	P3A-RN91YNNN
1/8"	With gauge	P3A-RN91YGNN
1/4"	Without gauge	P3A-RN92YNNN
1/4"	With gauge	P3A-RN92YGNN

NOTE: 1.218 Dia. (31 mm) hole required for panel mounting.

Operating information

Supply pressure (max):	120 psig (8.3 bar)
Secondary pressure:	
15 psig spring	1 to 15 psig (0.07 to 1.0 bar)
30 psig spring	6 to 30 psig (0.4 to 2.1 bar)
60 psig spring	6 to 60 psig (0.4 to 4.1 bar)
110 psig spring	6 to 110 psig (0.4 to 7.6 bar)
Operating temperature:	32°F to 125°F (0°C to 52°C)
Flow capacity†:	
High flow	1/8" 13 scfm (6.1 dm³/s, ANR)
	1/4" 15 scfm (7.1 dm³/s, ANR)
Gauge ports (2):	1/8 inch
Weight:	0.3 lb (0.14 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

P3A-RN	9	1	Y	N	N	N	
Port Type	Port Size	Relief	Pressure / Gauge	Option	Options	Preset / Pressure Limited	
NPT Female	1/8 inch	Non-relieving, black knob	Without gauge	N	No options	Blank	None
	1/4 inch	Relieving, black knob	15 psig (0 to 1 bar)	L†	Preset non-adjustable	XXX*	Preset pressure
		Non-relieving, yellow knob	30 psig (0 to 2 bar)	P†	Preset adjustable	XXX*	Pressure limited
		Relieving, yellow knob	60 psig (0 to 4 bar)	S†	Pressure limiter max. adjustable		
			120 psig (0 to 8 bar)	T†	Pressure limiter max. non-adjustable		
			With gauge				
			15 psig (0 to 1 bar)				
			30 psig (0 to 2 bar)				
			60 psig (0 to 4 bar)				
			120 psig (0 to 8 bar)				

* Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory.
 (Example: 065 = 65 psig)

† Inlet pressure is 100 psig. For other pressures contact factory.

Most popular.



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K4

Parker Hannifin Corporation
 Pneumatic Division
 Richland, Michigan
www.parker.com/pneumatics

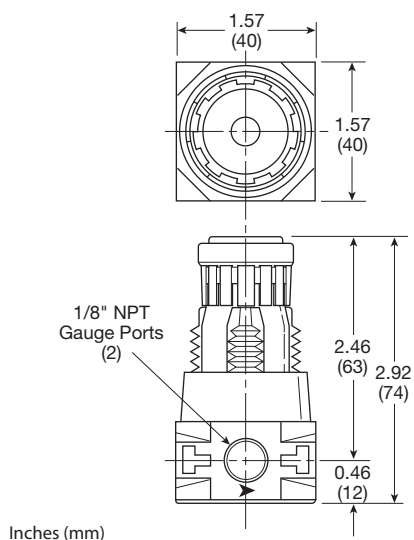
Material Specifications

Adjusting nut	Brass
Adjusting stem & spring	Steel
Poppet return spring	Stainless Steel
Body	Plastic
Bonnet, seat & piston	Plastic
Seals	Nitrile
Valve poppet	Plastic & nitrile

Repair and Service Kits

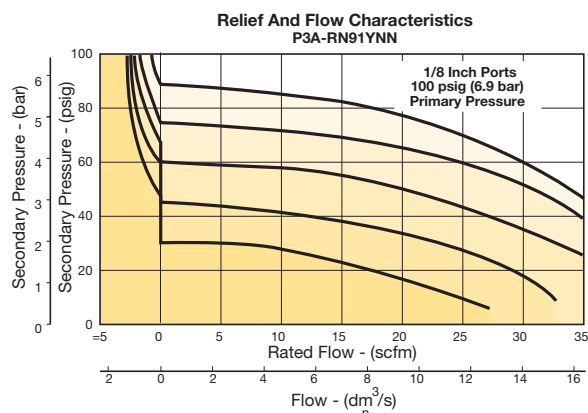
30 psig gauge, 1/8" NPT (0 to 2.1 bar)	K4515N18030
60 psig gauge, 1/8" NPT (0 to 4.1 bar)	K4515N18060
160 psig gauge, 1/8" NPT (0 to 11.0 bar)	K4515N18160
Mounting bracket kit* (includes panel mount nut)	PS417BP
Panel mount nut*	P78652
Unbalanced non-relieving, poppet / piston kit	PS428P
Unbalanced relieving, poppet / piston kit	PS426P
1-15 psig Spring (yellow)	P01176
1-30 psig spring (black)	P01175
1-60 psig spring (white)	P01174
5-110 psig spring (gold)	P01173

* Tighten panel mount nut 2.8 to 3.4 Nm (25 to 30 in-lbs) of torque.

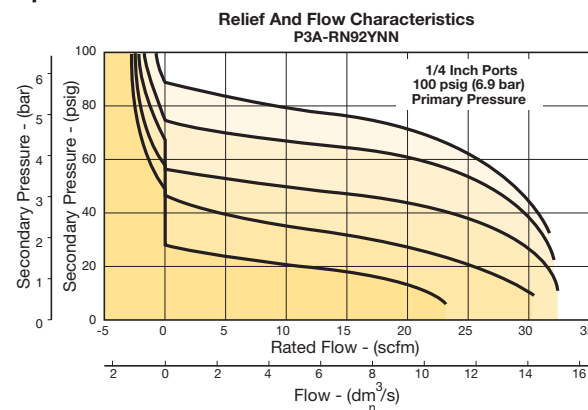


Flow Charts

1/8" port



1/4" port



WARNING

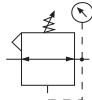
**Product rupture can cause serious injury.
 Do not connect regulator to bottled gas.
 Do not exceed Maximum primary pressure rating.**

CAUTION:

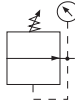
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting 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.

R34 Regulators – Miniature

- Diaphragm operated for fast response
- Large diaphragm to valve area ratio for precise regulation and high flow capacity
- Balanced valve design for precise regulation
- Available in 2 or 4 port design
- Available with a manifold mount to minimize plumbing
- Suitable for low temperature applications
- Non-rising adjusting knob
- 1/8", 1/4" ports (NPT, BSPP)



Relieving



Non-Relieving



R344-02C



R342-0MC

Port size	Description	Part number	
		Without gauge	With gauge
1/8"	Relieving, 0 to 30 psig	R344-01A	R344-01AG
1/8"	Relieving, 0 to 60 psig	R344-01B	R344-01BG
1/8"	Relieving, 0 to 125 psig	R344-01C	R344-01CG
1/4"	Relieving, 0 to 30 psig	R344-02A	R344-02AG
1/4"	Relieving, 0 to 60 psig	R344-02B	R344-02BG
1/4"	Relieving, 0 to 125 psig	R344-02C	R344-02CG
Manifold	Relieving, 0 to 30 psig	R342-0MA	–
Manifold	Relieving, 0 to 60 psig	R342-0MB	–
Manifold	Relieving, 0 to 125 psig	R342-0MC	–

Operating information

Supply pressure (max):	300 psig (0 to 20.7 bar)
Operating temperature:	-40°F to 150°F (-40°C to 65.5°C)
Flow capacity†:	
High flow	1/8" 17 scfm (8.0 dm³/s, ANR)
	1/4" 19 scfm (8.9 dm³/s, ANR)
Gauge ports (2):	1/8 inch (no gauge port version available)
Weight:	0.25 lb (0.11 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

R34

4

–

02

C

G

Number of Ports	
2 Ports	2
4 Ports	4*

* Not available with manifold mount.

Thread	
NPT	–
BSPP	G

Port	
1/8 inch	01
1/4 inch	02
Manifold mount	0M

Pressure range	
0 to 30 psi	A
0 to 60 psi	B
0 to 125 psi	C

Options	
Blank	No options
L†	Preset non-adjustable
M†	Preset adjustable

† Inlet pressure is 100 psig. For other pressures contact factory.

Options	
Blank	No option
G	Gauge
K	Non-relieving diaphragm
N	Unbalanced
P	Panel mount nut
X64	Fluorocarbon elastomers

Preset	
Blank	None
XXX*	Preset pressure

* Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory. (Example: 065 = 65 psig)

Most popular.



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

Miniature Regulators

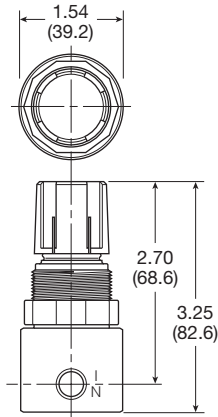
Material Specifications

Body	Aluminum
Bonnet	Acetal
Diaphragm & seals	Nitrile
Valve assembly	Brass
Springs	Steel
Panel Nut	Acetal

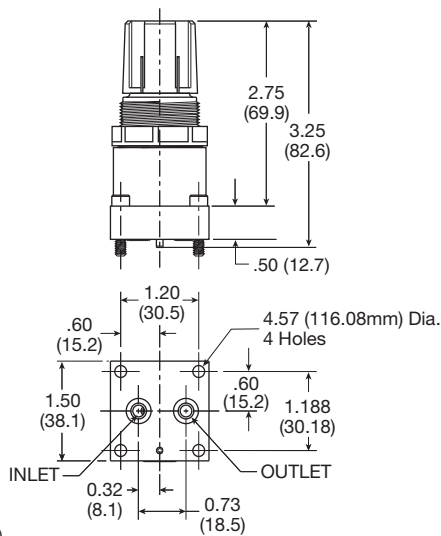
Repair and Service Kits

Diaphragm assembly, non-relieving	GRP-96-726
Diaphragm assembly, relieving	GRP-96-725
0 to 30 psig (0 to 2.1 bar), spring, regulating	GRP-95-111
0 to 60 psig (0 to 4.1 bar) spring, regulating	GRP-96-718
0 to 125 psig (0 to 8.6 bar) spring, regulating	GRP-96-717
Panel mount nut, aluminum	R05X51-A
Panel mount nut, plastic	R05X51-P
Mounting bracket kit (includes panel mount nut)	SA161X57
1-1/2" Dial Face, 1/8 NPT, CBM, 0 to 60 psig (0 to 4.1 bar), gauge	K4515N18060
1-1/2" Dial Face, 1/8 NPT, CBM, 0 to 160 psig (0 to 11.0 bar), gauge	K4515N18160
Tamperproof knob kit	P31KB00AT

R342 / R344



R342-0MC

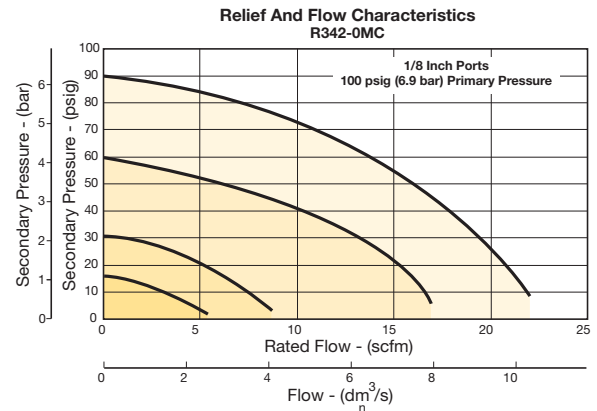


Inches (mm)

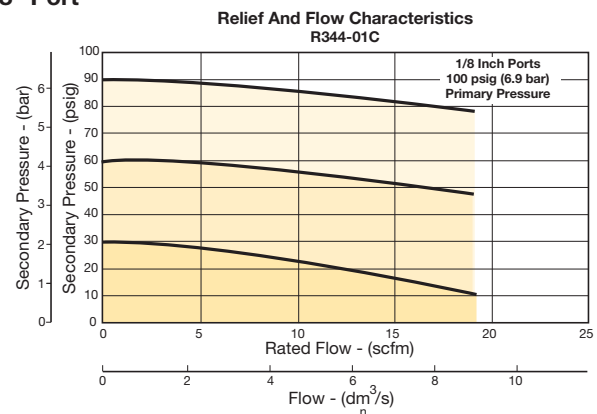
Air Preparation Products Regulator Products

Flow Charts

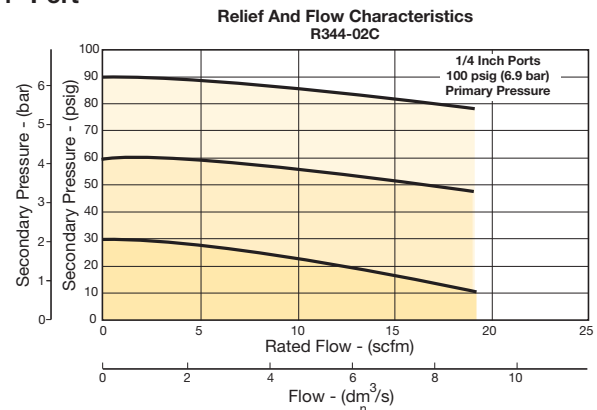
1/8" Manifold Mount



1/8" Port



1/4" Port



WARNING

**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
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CAUTION:

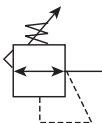
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For inventory, lead time, and kit lookup, visit www.pdnplu.com

R25 Regulators – Miniature

- Lightweight plastic body
- Unbalanced poppet standard
- Non-rising, push-to-lock adjusting knob
- Compact, 3.10 Inch (79 mm) high by 1.60 Inch (41 mm) wide
- Lightweight
- Diaphragm operated
- 1/8", 1/4" ports (NPT)



Port size	Description	Part number
1/8"	Relieving, 0-125 reduced pressure, without gauge	R25-01C
1/4"	Relieving, 0-125 reduced pressure, without gauge	R25-02C

NOTE: 1.250 Dia. (31.8 mm) hole required for panel mounting.

Operating information

Supply pressure (max):

Inlet 150 psig (10.0 bar)

Operating temperature:

40°F to 125°F (4°C to 52°C)

Gauge ports (2):

1/8 inch
(can be used for full flow)

Weight:

0.25 lb (0.11 kg)

Ordering information:

R25

Type

Buna Elastomers

R25

02

Port Size

1/8 inch01

1/4 inch02

C

Pressure Range

A0 to 25 psig (0 to 2 bar)

B0 to 60 psig (0 to 4 bar)

C0 to 125 psig (0 to 125 (0 to 8 bar)

Relief

BlankRelieving

PPanel Mount Nut

Most popular.



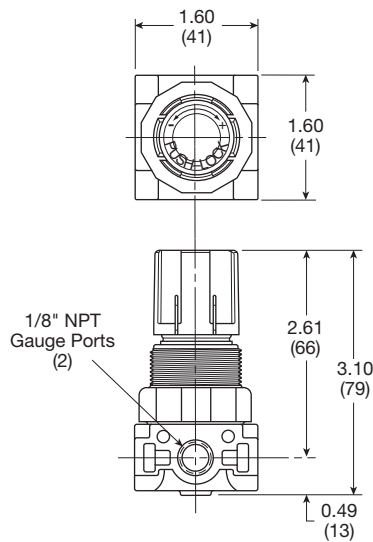
For inventory, lead times, and kit lookup, visit www.pdnplu.com

Material Specifications

Adjusting screw	Steel
Body	Acetal
Bonnet and seat	Acetal
Diaphragm	Buna N
Seals	Buna N
Springs	Stainless steel
Valve poppet	Buna N

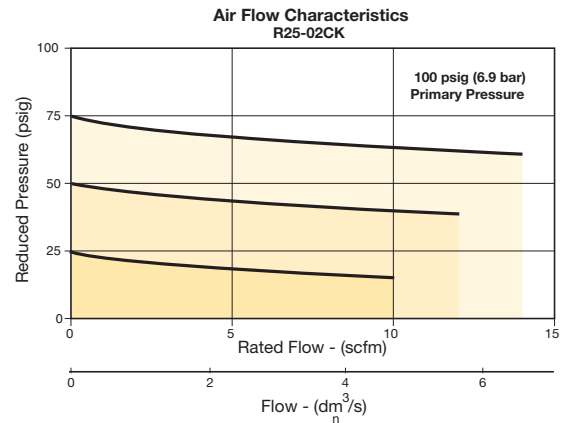
Repair and Service Kits

Panel mount nut, plastic	R05X51-P
Panel mount nut, aluminum	R05X51-A
Mounting bracket and nut	SA161X57
Relieving (Buna)	RKR25Y
Non-Relieving (Buna)	RKR25KY
0-25 psig spring	SPR-375-1
0-60 psig spring	SPR-376
0-125 psig spring	SPR-377



Inches (mm)

Flow Charts



WARNING

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General

Dial

Pilot

Proportional

Precision

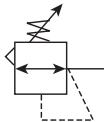
Water

K

Regulator
 Products

R45 Regulators – Miniature

- Lightweight plastic body
- Unbalanced poppet standard
- Non-rising, push-to-lock adjusting knob
- Compact, 3.43 inch (87.1 mm) high by 2.06 inch (52.3 mm) wide
- Lightweight
- Diaphragm operated
- 1/4", 3/8" ports (NPT, BSPP)



Port size	Description	Part number
1/4"	Relieving, 0-125 reduced pressure, without gauge	R45-02C
3/8"	Relieving, 0-125 reduced pressure, without gauge	R45-03C

NOTE: 1.250 Dia. (31.8 mm) hole required for panel mounting.

Operating information	
Supply pressure (max):	Inlet 150 psig (10.0 bar)
Operating temperature:	40°F to 125°F (4°C to 52°C)
Gauge ports (2):	1/4 inch (can be used for full flow)
Weight:	0.38 lb (0.17 kg)

Ordering information:

R45

Type

Buna Elastomers

R45

02

Port Size

1/4 inch

02

3/8 inch

03

C

Pressure Range

A

0 to 25 psig (0 to 2 bar)

B

0 to 60 psig (0 to 4 bar)

C

0 to 125 psig (0 to 8 bar)

Blank

Relief

P

Panel Mount Nut

 Most popular.



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

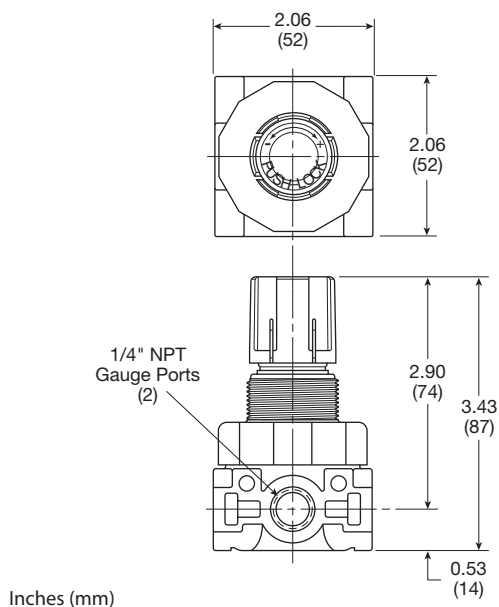
Miniature Regulators

Material Specifications

Adjusting screw	Steel
Body	Acetal
Bonnet and seat	Acetal
Diaphragm	Buna N
Seals	Buna N
Springs	Stainless steel
Valve Poppet	Buna N

Repair and Service Kits

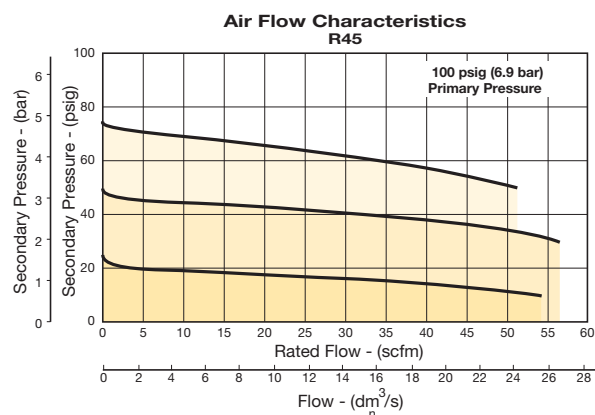
Panel mount nut, plastic	R05X51
Panel mount nut, aluminum	R05X51-A
Mounting bracket and nut	SA161X57
Relieving	RKR45Y
Non-Relieving	RKR45KY
0-25 psig spring	SPR-46
0-60 psig spring	SPR-47
0-125 psig spring	SPR-48



Inches (mm)

Air Preparation Products Regulator Products

Flow Charts



WARNING

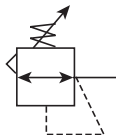
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15R Regulators – Economy

- Solid control piston with resilient seat for service-free operation
- Non-rising “locking” adjusting knob
- Compact, 3.30 inch (84 mm) high by 2.12 inch (54 mm) wide
- Easily serviced
- 1/4", 3/8" ports (NPT)



Port size	Description	Part number
1/4"	Without gauge	15R113FB
1/4"	With gauge	15R118FB
3/8"	Without gauge	15R213FB
3/8"	With gauge	15R218FB

NOTE: 1.218 Dia. (31 mm) hole required for panel mounting.

Operating information		
Supply pressure (max):	0 to 250 psig (0 to 17.2 bar)	
Secondary pressure ranges		
Standard	2 to 125 psig (0 to 8.6 bar)	
Medium	1 to 60 psig (0 to 4.1 bar)	
Medium	1 to 30 psig (0 to 1.7 bar)	
Low	1 to 15 psig (0 to 1 bar)	
Operating temperature:	32°F to 125°F (0°C to 52°C)	
Low temperature	-4°F to 125°F (-20°C to 52°C)	
Flow capacity†:		
High flow	1/4"	21 scfm (9.9 dm³/s, ANR)
	3/8"	28 scfm (13.2 dm³/s, ANR)
Gauge ports (2):	1/4 inch (can be used at full flow)	
Weight:	0.5 lb (0.23 kg)	
† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.		

Ordering information:

15R

1

13

F

B

Port Size	
1/4 inch	1
3/8 inch	2

Pressure Range	
Without gauge	
15 psig	12
30 psig	10
60 psig	11
125 psig	13
With gauge	
15 psig	17
30 psig	15
60 psig	16
125 psig	18

Relief	
F	Relieving
G	Non-relieving
H	Low temp relieving
J	Low temp non-relieving

Engineering Level	
B	Current

Most popular.



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

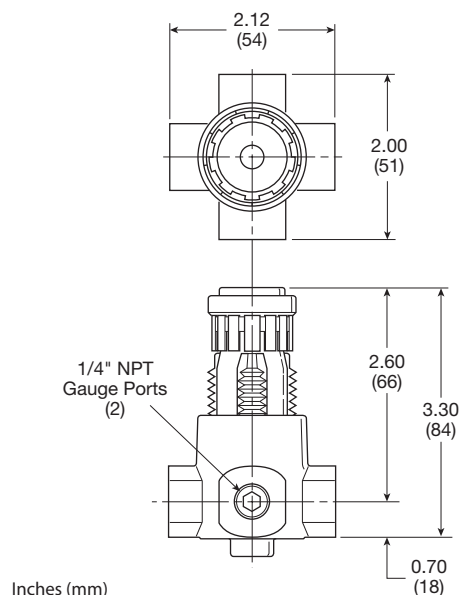
Material Specifications

Adjusting nut	Brass
Adjusting stem & spring	Steel
Body	Zinc
Bonnet, seat, piston & valve poppet	Plastic
Seals	Nitrile

Repair and Service Kits

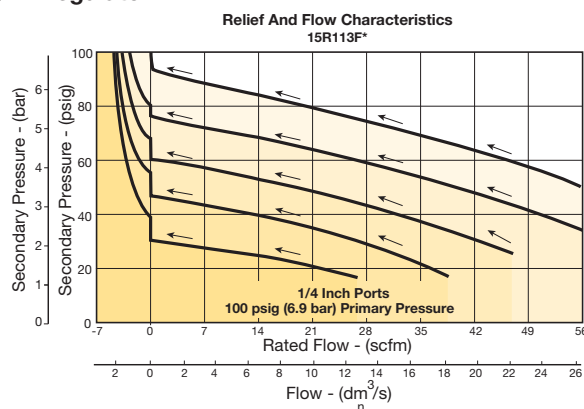
Body Service Kit – Unbalanced	PS424BP
Bonnet Assembly Kit	L01369
30 psig, 1/8" NPT (0 to 2.1 bar) gauge	K4515N18030
60 psig, 1/8" NPT (0 to 4.1 bar) gauge	K4515N18060
160 psig, 1/8" NPT (0 to 11.0 bar) gauge	K4515N18160
60 psig, 1/4" NPT (0 to 4.1 bar) gauge	K4520N14060
160 psig, 1/4" NPT (0 to 11.0 bar) gauge	K4520N14160
Mounting bracket kit* (Includes panel mount nut)	PS417BP
Panel mount nuts*, plastic	P78652
Panel mount nuts*, metal	P01531
Poppet / piston kit, unbalanced, non-relieving	PS428P
Poppet / piston kit, unbalanced, relieving	PS426P
Seal, unbalanced	PS454B
1-15 psig spring (yellow)	P01176
1-30 psig spring (black)	P01175
1-60 psig spring (white)	P01174
2-125 psig spring (gold)	P01173

* Tighten panel mount nut 2.8 to 3.4 Nm (25 to 30 in-lbs) of torque.

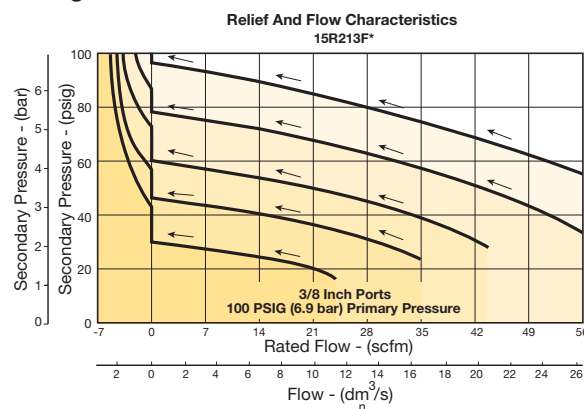


Flow Charts

1/4" Regulator



3/8" Regulator



WARNING

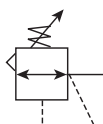
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.**

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.

27R Regulators – Semi-Precision

- Fine adjustment sensitivity
- Good repeatability and minimal pressure drop
- High flow capacity
- Two 1/4" gauge ports
- Brass Poppet for long life
- Modular with 05 Series FRL
- Non-rising, removable knob
- Multiple porting options
- 1/4", 3/8" ports (NPT, BSPP, BSPT)



Port size	Description	Part number
1/4"	15 psig	27R112AD
1/4"	30 psig	27R110AD
1/4"	60 psig	27R114AD
1/4"	125 psig	27R113AD

NOTE: 1.53 Dia. (39 mm) hole required for panel mounting. Max panel thickness 1/4"

Operating information

Bleed rate:	0.033 scfm (0.016 dm ³ /s, ANR)
Effect of supply variation:	0.5 psig (0.04 bar) for 25 psig (1.7 bar) change P ¹
Relief capacity:	0.5 scfm (0.24 dm ³ /s, ANR) @ 5 psig (0.4 bar) increase P ²
Flow capacity†:	28 scfm (13.2 dm ³ /s, ANR) @ 100 psig (6.9 bar) P ¹ and 20 psig (1.4 bar) P ²
Inlet pressure (max):	250 psig (17.2 bar)
Temperature rating:	32°F to 175°F (0°C to 80°C)
Relief flow:	5.0 scfm (2.4 dm ³ /s, ANR)
Repeatability:	± .5 psig (±0.034 bar)
Response:	510 ms The valve will open to full flow and fill a volume of 100 in ³
Gauge ports (2):	1/4 inch
Weight:	1.0 lb (0.45 kg)

† scfm = Standard cubic feet per minute at 150 psig inlet, 90 psig no flow secondary setting and 5 psig pressure drop.

Ordering information:

27R

1

10

A

D

Port Size

1/4 inch	1
3/8 inch	2

Pressure Range

Without gauge	
15 psig	12
30 psig	10
60 psig	14
125 psig	13

Relief

Relieving	A
-----------	---

Engineering Level

Current	D
---------	---

Port Type

NPT	Blank
BSPP	1
BSPT	2

Preset / Pressure Limited

Blank	None
XXX*	Preset pressure
XXX*	Pressure limited

* Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory.
(Example: 065 = 65 psig)

Options

Blank	No options
L†	Preset non-adjustable
P†	Preset adjustable
S†	Pressure limiter max. adjustable
T†	Pressure limiter max. non-adjustable

† Inlet Pressure is 100 psig. For other pressures, contact factory.

 Most popular.



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

K14

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

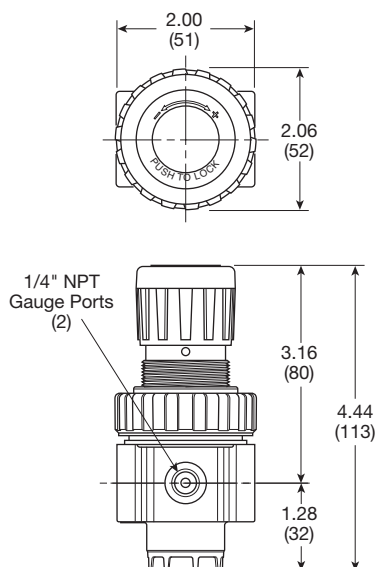
Semi-Precision Regulators

Material Specifications

Poppet	Brass
Bonnet	Plastic
Body	Zinc
Collar, knob	Plastic
Diaphragm	Nitrile
Bottom Cap	Plastic
Seals	Nitrile
Springs – poppet & control	Steel

Repair and Service Kits

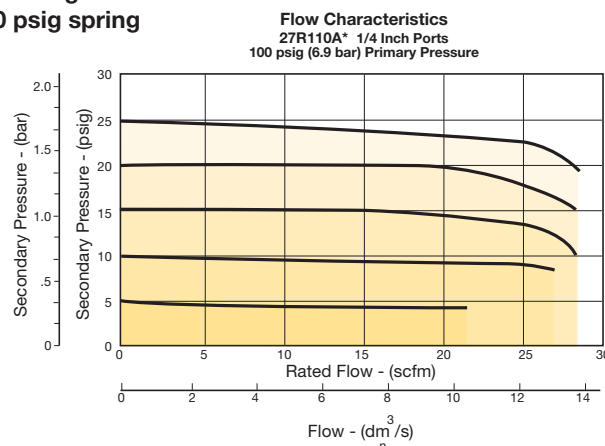
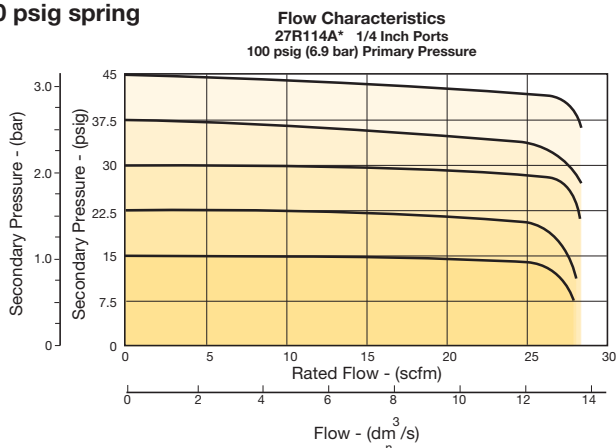
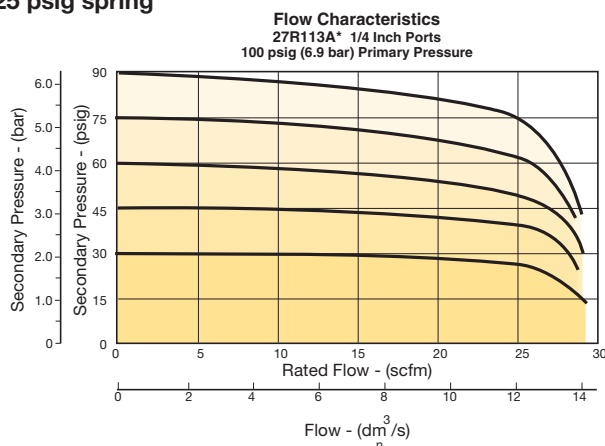
Bonnet assembly kit	PS910P
Control knob	P0442001
1-1/2" dial face 30 psig (0 to 2.1 bar), gauge	K4515N14030
1-1/2" dial face 60 psig (0 to 4.1 bar), gauge	K4515N14060
1-1/2" dial face 160 psig (0 to 11.0 bar), gauge	K4515N14160
1-1/2" dial face 300 psig (0 to 20.7 bar), gauge	K4515N14300
2" dial face 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
Mounting bracket kit	PS963P
Panel mount nut, metal	PS964P
Service kit	PS907P
1-30 psig spring	P04427
1-15 psig spring	P04428
0-60 psig spring	P04426
2-125 psig spring	P04425

**WARNING**

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

Air Preparation Products
Regulator Products

Flow Charts

1/4" Regulator
30 psig spring1/4" Regulator
60 psig spring1/4" Regulator
125 psig spring**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.



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

K15

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

General

Dial

Pilot

Proportional

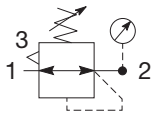
Precision

Water

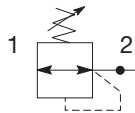
KRegulator
Products

P31 Regulators – Mini

- Integral 1/4" ports (NPT, BSPP & BSPT)
- Robust but lightweight aluminum construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Relieving & non-relieving types
- Non-rising knob



Self relieving regulator with gauge



Non-relieving regulator

Port size	Description (relieving)	Gauge	Part number
1/4"	125 psig (8 bar)	None	P31RB92BNNP
1/4"	125 psig (8 bar)	Square	P31RB92BN5P

Operating information

Flow capacity*:	1/4	68 scfm (32 dm³/s, ANR)
Operating temperature†:		-4°F to 150°F (-20°C to 65.5°C)
Supply pressure (max):		300 psig (20 bar)
Adjusting range pressure:		30 psig (0-2 bar) 60 psig (0-4 bar) 125 psig (0-8 bar) 232 psig (0-16 bar)
Gauge port (2 each)**		1/8 BSPP, BSPT, NPT
Weight:		0.37 lb (0.17 kg)

* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar).
** Non-gauge option only.
† Units with square gauges: 5°F to 150°F (-15°C to 65.5°C)

Ordering Information:

P31RB
Basic series
Global modular mini regulator
P31RB

9
Thread type
BSPP 1
BSPT 2
NPT 9

2
Port size
1/4 2

B
Relief
Relieving B
Non-relieving N
Reverse flow-relieving R

N
Adjustment
N Non-rising knob

5
Adjustment range

With square gauge		With round gauge	
psig	bar		
1 = 30*	V = 2*	Z	30 psig; 2 bar; 0.2 MPa
3 = 60	S = 4	M	60 psig; 4 bar; 0.4 MPa
5 = 125	T = 8	G	125 psig; 8 bar; 0.8 MPa
		J	232 psig; 16 bar; 1.6 MPa
		Without gauge	
		Y	30 psig; 2 bar; 0.2 MPa
		L	60 psig; 4 bar; 0.4 MPa
		N	125 psig; 8 bar; 0.8 MPa
		H	232 psig; 16 bar; 1.6 MPa

P
Mounting
P Plastic panel mount nut

* Regulator comes with gauge respective to the adjustment range selected.

Most popular.



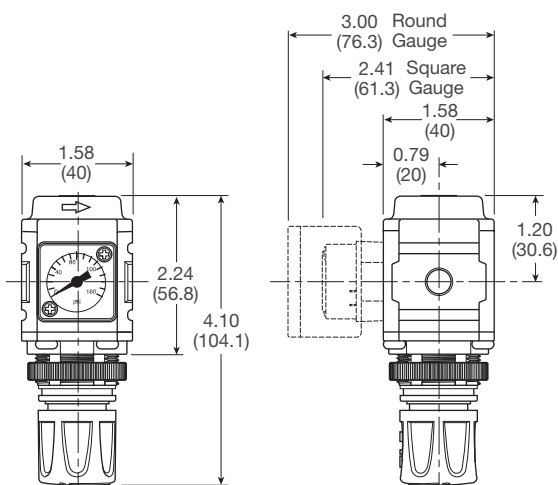
For inventory, lead times, and kit lookup, visit www.pdnplu.com

Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Bonnet	PBT
Diaphragm assembly	Brass / Nitrile
Valve assembly	Brass / Nitrile
Springs	Steel
Seals	Nitrile
Panel nut	Acetal

Repair and Service Kits

Diaphragm repair kit - relieving	P31KB00RB
Diaphragm repair kit - non-relieving	P31KB00RC
Panel mount nut - aluminum	P31KA00MM
Panel mount nut - plastic	P31KA00MP
Angle bracket (attaches via panel nut)	P31KB00MR
C-bracket (fits to body)	P31KA00MW
T-bracket with body connector	P31KA00MT
Body connector	P31KA00CB

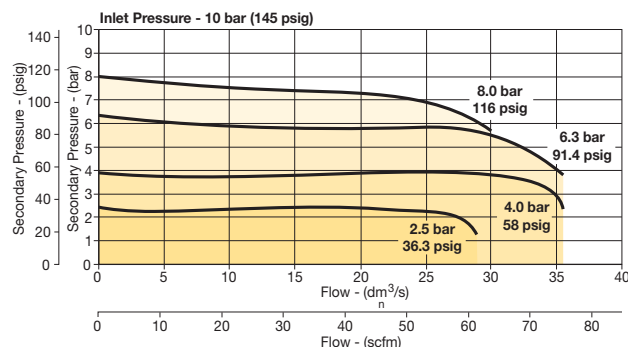


Inches (mm)

NOTE: 1.20 in. (30mm) hole required for panel nut mounting.

Flow Charts

1/4 Regulator



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.

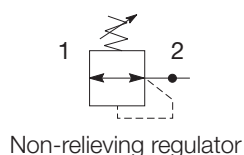
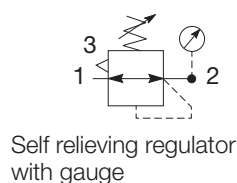
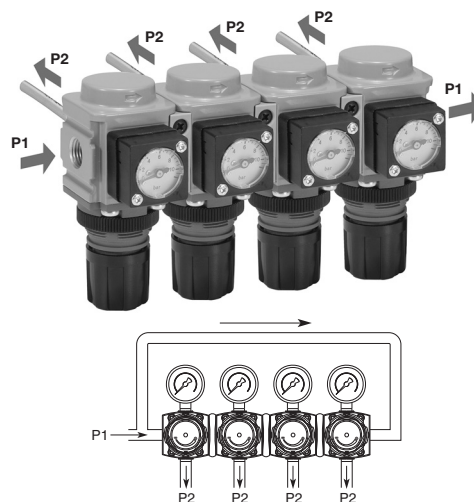
Gauges

Square flush mount gauge	0-4 bar	K4511SCR04B
	0-11 bar	K4511SCR11B
	0-60 psig	K4511SCR060
	0-160 psig	K4511SCR160
Square with adapter kit	0-4 bar	P6G-PR10040
	0-11 bar	P6G-PR10110
	0-60 psig	P6G-PR90060
	0-160 psig	P6G-PR90160
1.00" Round 1/8" center back mount	0-60 psig / 0-4 bar	K4510N18060
	0-160 psig / 0-11 bar	K4510N18160
40mm Round 1/8" center back mount (Not for use with common port regulators)	0-30 psig / 0-2 bar	K4515N18030
	0-60 psig / 0-4 bar	K4515N18060
	0-160 psig / 0-11 bar	K4515N18160

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

P31 Common P1 Regulators – Mini

- Manifold style regulator with line pressure on both sides
- Pressure output is at front or rear
- Inlet port 1/4" (NPT, BSPP & BSPT)
- Working port 1/8"
- Robust construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Non-rising knob



Operating information

Flow capacity*:	1/4	42 scfm (20 dm³/s, ANR)
Operating temperature:		-4°F to 150°F (-20°C to 65.5°C)
Supply pressure (max):		300 psig (20 bar)
Adjusting range pressure:		30 psig (0-2 bar) 60 psig (0-4 bar) 125 psig (0-8 bar) 232 psig (0-16 bar)
P1 port size (inlet/outlet)		1/4 NPT, BSPP, BSPT
P2 regulated ports (2 ea.)		1/8 NPT, BSPP, BSPT
Weight:		0.66 lb (0.30 kg)

* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar).

Port size	Description (relieving)	Gauge	Part number
1/4"	125 psig (8 bar)	None	P31HB92BNNP
1/4"	125 psig (8 bar)	Square	P31HB92BN5P

Ordering Information:

P31HB 9 2 B N 5 P

Basic series
Global modular mini common regulator **P31HB**

Thread type
BSPP 1
BSPT 2
NPT 9

Port size †
1/4 2
† Working port 1/8".

Relief
Relieving B
Non-relieving N
Reverse flow-relieving R

Mounting
P Plastic panel mount nut

Adjustment range

With square gauge		With round gauge	
psig	bar		
1 = 30*	V = 2*	Z	30 psig; 2 bar; 0.2 MPa
3 = 60	S = 4	M	60 psig; 4 bar; 0.4 MPa
5 = 125	T = 8	G	125 psig; 8 bar; 0.8 MPa
		J	232 psig; 16 bar; 1.6 MPa

* Regulator comes with gauge respective to the adjustment range selected.

Adjustment
N Non-rising knob

Without gauge

Y	30 psig; 2 bar; 0.2 MPa
L	60 psig; 4 bar; 0.4 MPa
N	125 psig; 8 bar; 0.8 MPa
H	232 psig; 16 bar; 1.6 MPa

Most popular.



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

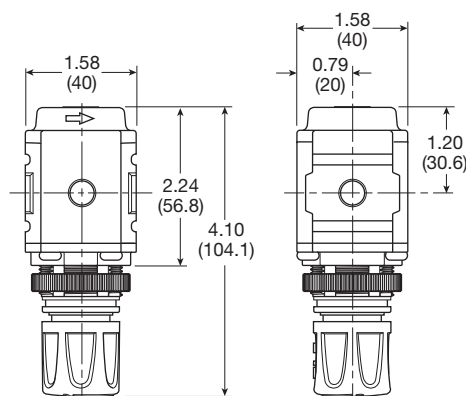
Mini Common P1 Regulators

Materials of Construction

Body	Aluminum
Adjustment knob	Acetal
Bonnet	Glass-filled PBT
Diaphragm assembly	Brass / Nitrile
Valve assembly	Brass / Nitrile

Repair and Service Kits

Diaphragm repair kit - relieving	P31KB00RB
Diaphragm repair kit - non-relieving	P31KB00RC
Panel mount nut - aluminum	P31KA00MM
Panel mount nut - plastic	P31KA00MP
Angle bracket (attaches via panel nut)	P31KB00MR
T-bracket with body connector	P31KA00MT
Body connector	P31KA00CB



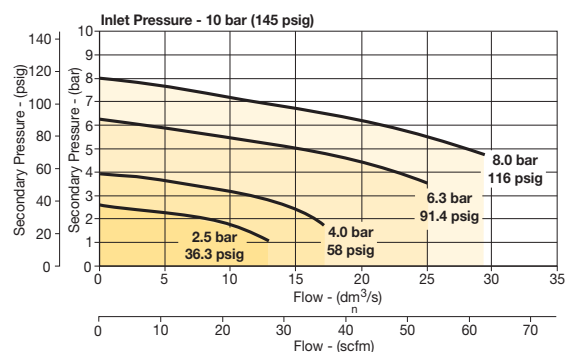
Inches (mm)

NOTE: 1.20 in. (30mm) hole required for panel nut mounting.

Air Preparation Products Regulator Products

Flow Charts

1/4 Common Regulator



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.

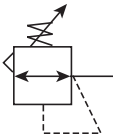
Gauges

Square with adapter kit	0-4 bar	P6G-PR10040
	0-11 bar	P6G-PR10110
	0-60 psig	P6G-PR90060
	0-160 psig	P6G-PR90160
1.00" round 1/8" center back mount	0-60 psig / 0-4 bar	K4510N18060
	0-160 psig / 0-11 bar	K4510N18160

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

05R Regulators – Economy

- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Rolling diaphragm for extended life.
- Removable non-rising knob for panel mounting and tamper resistance.
- Easily serviced.
- Reverse Flow.
- 1/4", 3/8" ports (NPT, BSPP)



Port size	Description	Part number
1/4"	Without gauge	05R113A*
1/4"	With 160 psi gauge	05R118A*
3/8"	Without gauge	05R213A*
3/8"	With 160 psi gauge	05R218A*

NOTE: 1.53 Dia. (39 mm) hole required for panel mounting.

Operating information

Supply pressure (max):

0 to 300 psig (0 to 20.7 bar)

For secondary pressure ranges see charts next page.

Operating temperature:

32°F to 175°F (0°C to 80°C)

Low temperature

-4°F to 125°F (-20°C to 52°C)

Flow capacity†:

High flow

1/4"

30 scfm (14.2 dm³/s, ANR)

3/8"

40 scfm (18.9 dm³/s, ANR)

Gauge ports (2):

1/4 inch

Weight:

1.1 lb (0.49 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

05R

1

13

A

D

Port Size

1/4 inch

1

3/8 inch

2

Port Type

Blank

NPT

Pressure Range

Without gauge

30 psig

10

60 psig

11

125 psig

13

200 psig

14

With gauge*

30 psig

15

60 psig

16

125 psig

18

200 psig

19

Engineering Level

D

Current

Relief

A

Relieving

* Includes 1-1/2" dial face gauge.

Most popular.



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

Economy Regulators

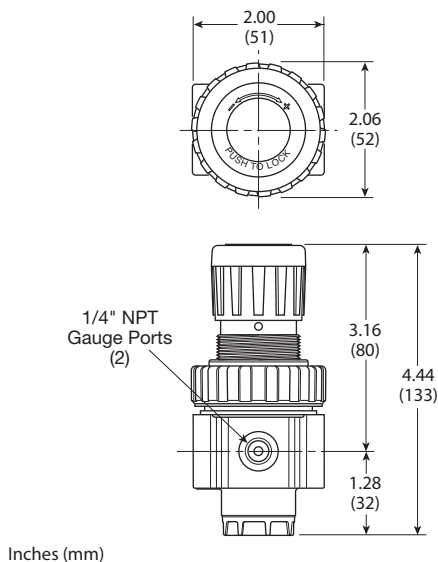
Material Specifications

Adjusting stem	Brass
Bonnet	Plastic
Body	Zinc
Collar, Knob	Plastic
Diaphragm	Nitrile
Poppet & cap	Plastic
Seals	Nitrile
Springs – poppet & control	Steel

Repair and Service Kits

Bonnet assembly kit **PS915P**

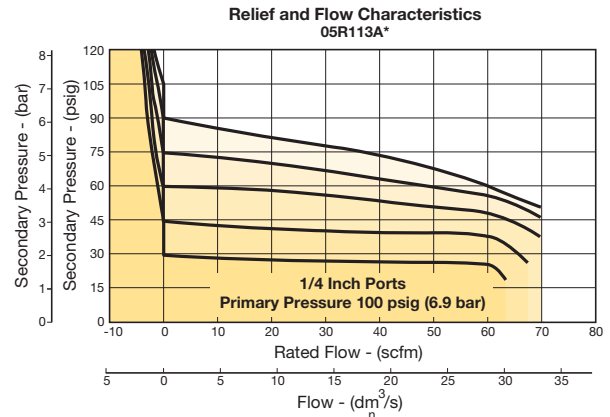
Control knob	P04420
1-1/2" dial face 30 psig (0 to 2.1 bar), gauge	K4515N14030
1-1/2" dial face 60 psig (0 to 4.1 bar), gauge	K4515N14060
1-1/2" dial face 160 psig (0 to 11.0 bar), gauge	K4515N14160
1-1/2" dial face 300 psig (0 to 20.7 bar), gauge	K4515N14300
2" dial face 60 psig (0 to 4.1 bar), gauge	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
Mounting bracket kit	PS963P
Panel mount nut – metal	PS964P
1-30 psig spring	P04427
1-60 psig spring	P04426
2-125 psig spring	P04425
2-200 psig spring	P02934
Relieving service kit	PS908P



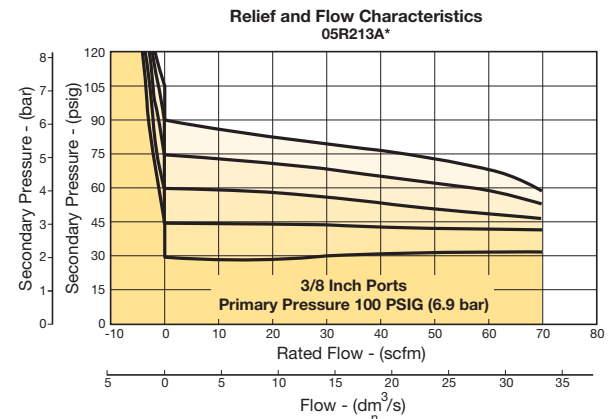
Air Preparation Products Regulator Products

Flow Charts

1/4" Regulator



3/8" Regulator



WARNING

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

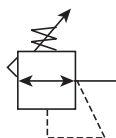
CAUTION:

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.

Compact Regulators

06R Regulators – Compact

- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Rolling diaphragm for extended life
- Two high flow 1/4" gauge ports can be used as additional outlets
- Easily serviced
- Removable non-rising knob for panel mounting and tamper resistance
- 1/4", 3/8", 1/2" ports (NPT, BSPP)



Port size	Description	Part number
1/4"	Without gauge	06R113AC
1/4"	With 160 psi gauge	06R118AC
3/8"	Without gauge	06R213AC
3/8"	With 160 psi gauge	06R218AC
1/2"	Without gauge	06R313AC
1/2"	With 160 psi gauge	06R318AC

NOTE: 2.0 Dia. (51 mm) hole required for panel mounting.

Operating information

Supply pressure (max):	250 psig (17.2 bar)
Secondary pressure ranges:	
Standard	2 to 125 psig (0 to 8.6 bar)
Low	1 to 60 psig (0 to 4.1 bar)
High	5 to 250 psig (0.4 to 17.2 bar)
Operating temperature:	32°F to 175°F (0°C to 80°C)
Low temperature	-4°F to 125°F (-20°C to 52°C)
Flow capacity†:	
High flow	1/4" 53 scfm (25 dm³/s, ANR)
	3/8" 60 scfm (28.3 dm³/s, ANR)
	1/2" 75 scfm (35.4 dm³/s, ANR)
Gauge ports (2):	1/4 inch (can be used as additional full flow 1/4 inch outlet ports)
Weight:	1.6 lb (0.7 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

06R	1	13	A	C																																														
Port Size <table border="1"> <tr><td>1/4 inch</td><td>1</td></tr> <tr><td>3/8 inch</td><td>2</td></tr> <tr><td>1/2 inch</td><td>3</td></tr> </table>	1/4 inch	1	3/8 inch	2	1/2 inch	3	Pressure Range <table border="1"> <tr><td>Without gauge</td><td></td></tr> <tr><td>60 psig</td><td>11</td></tr> <tr><td>125 psig</td><td>13</td></tr> <tr><td>250 psig</td><td>15</td></tr> <tr><td>With gauge*</td><td></td></tr> <tr><td>60 psig</td><td>16</td></tr> <tr><td>125 psig</td><td>18</td></tr> <tr><td>250 psig</td><td>21</td></tr> </table> * Includes 1-1/2" dial face gauge.	Without gauge		60 psig	11	125 psig	13	250 psig	15	With gauge*		60 psig	16	125 psig	18	250 psig	21	Relief <table border="1"> <tr><td>Relieving</td><td>A</td></tr> <tr><td>Non-relieving</td><td>L</td></tr> </table>	Relieving	A	Non-relieving	L	Engineering Level <table border="1"> <tr><td>Current</td><td>C</td></tr> </table>	Current	C	Preset / Pressure Limited <table border="1"> <tr><td>Blank</td><td>None</td></tr> <tr><td>XXX*</td><td>Preset pressure</td></tr> </table> * Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory. (Example: 065 = 65 psig)	Blank	None	XXX*	Preset pressure	Options <table border="1"> <tr><td>Blank</td><td>No option</td></tr> <tr><td>L†</td><td>Preset non-adjustable</td></tr> <tr><td>P†</td><td>Preset adjustable</td></tr> <tr><td>R</td><td>Reverse Flow</td></tr> </table> † Inlet Pressure is 100 psig. For other pressures, contact factory.	Blank	No option	L†	Preset non-adjustable	P†	Preset adjustable	R	Reverse Flow	Port Type <table border="1"> <tr><td>Blank</td><td>NPT</td></tr> <tr><td>1*</td><td>BSPP</td></tr> </table> * 1/4 & 3/8 inch meet ISO 1179-1 Standard.	Blank	NPT	1*	BSPP
1/4 inch	1																																																	
3/8 inch	2																																																	
1/2 inch	3																																																	
Without gauge																																																		
60 psig	11																																																	
125 psig	13																																																	
250 psig	15																																																	
With gauge*																																																		
60 psig	16																																																	
125 psig	18																																																	
250 psig	21																																																	
Relieving	A																																																	
Non-relieving	L																																																	
Current	C																																																	
Blank	None																																																	
XXX*	Preset pressure																																																	
Blank	No option																																																	
L†	Preset non-adjustable																																																	
P†	Preset adjustable																																																	
R	Reverse Flow																																																	
Blank	NPT																																																	
1*	BSPP																																																	

Spring Type by Preset / Limited Pressure:
 For Preset / Limited Pressure 26 to 50 use 60 psi spring
 For Preset / Limited Pressure 51 to 90 use 125 psi spring

Most popular.



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

K21a

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 Pneumatic Division
 Richland, Michigan
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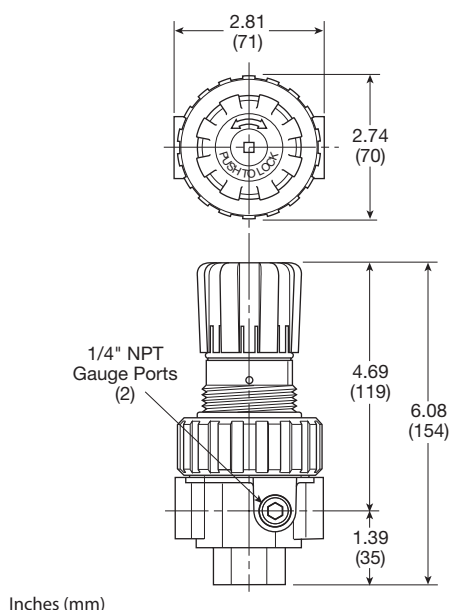
Compact Regulators

Material Specifications

Adjusting stem	Steel
Body	Zinc
Bonnet, piston stem, valve poppet & cap	Plastic
Collar, knob	Plastic
Diaphragm	Nitrile
Seals	Nitrile
Spring, poppet	Stainless
Spring, control	Steel

Repair and Service Kits

Bonnet assembly kit	PS715P
Control knob	P04069B
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 (includes panel mount nut)	PS707P
Panel mount nut, plastic	P04082
Panel mount nut, metal	P04079B
Reverse flow service conversion kit, relieving	PS708RP
Relieving (includes poppet)	PS708P
Non-relieving (includes poppet)	PS709P
1-30 psig spring	P01698
1-60 psig spring	P04062
2-125 psig spring	P04063
5-250 psig spring	P04064
Tamperproof kit	PS737P

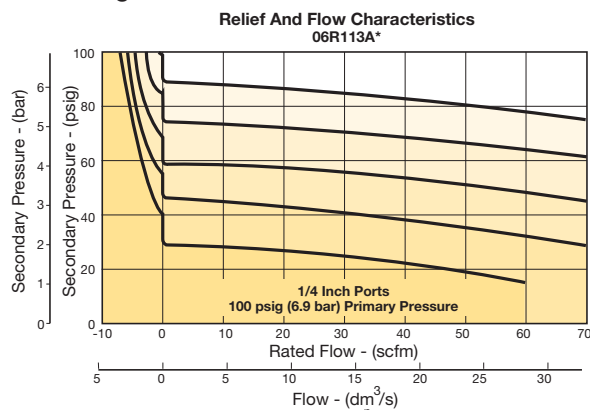


Inches (mm)

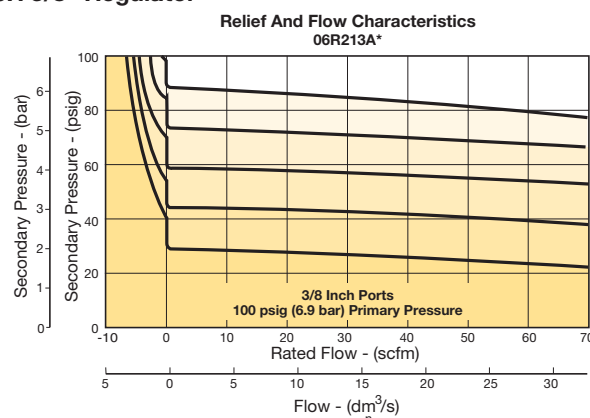
Air Preparation Products Regulator Products

Flow Charts

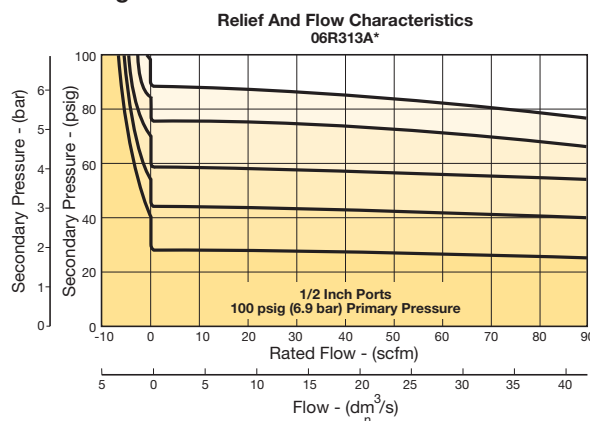
06R 1/4" Regulator



06R 3/8" Regulator



06R 1/2" Regulator



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.



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

K21b

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

General

Dial

Pilot

Proportional

Precision

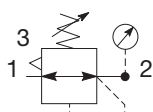
Water

K

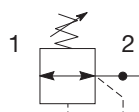
Regulator
Products

P32 Regulators – Compact

- Integral 1/4", 3/8" or 1/2" ports (NPT, BSPP & BSPT)
- Robust but lightweight aluminum construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Non-rising knob
- Available T-handle



Self relieving regulator with gauge



Non-relieving regulator

Port size	Description (relieving)	Gauge	Part number
1/4"	125 psig (8 bar)	None	P32RB92BNNP
1/4"	125 psig (8 bar)	Round	P32RB92BNGP
3/8"	125 psig (8 bar)	None	P32RB93BNNP
3/8"	125 psig (8 bar)	Round	P32RB93BNGP
1/2"	125 psig (8 bar)	None	P32RB94BNNP
1/2"	125 psig (8 bar)	Round	P32RB94BNGP

Operating information

Flow capacity*:	148 scfm (70 dm ³ /s, ANR)
	165 scfm (78 dm ³ /s, ANR)
Operating temperature:	-13°F to 150°F (-25°C to 65.5°C)
Supply pressure (max):	300 psig (20 bar)
Adjusting range pressure:	30 psig (0-2 bar)
	60 psig (0-4 bar)
	125 psig (0-8 bar)
	250 psig (0-17 bar)
Gauge port (2 each)	1/4 NPT, BSPP, BSPT
Weight:	0.90 lb (0.41 kg)

* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar).

Ordering Information:

P32RB

9

2

B

N

G

P

Basic series

Global modular compact regulator

P32RB

Thread type

BSPP 1

BSPT 2

NPT 9

Port size

1/4 2

3/8 3

1/2 4

Relief

Relieving B

Non-relieving N

Mounting

P Plastic panel mount nut

Adjustment range

With square gauge

psig	bar
1 = 30*	V = 2*
3 = 60	S = 4
5 = 125	T = 8

With round gauge

Z	30 psig; 2 bar; 0.2 MPa
M	60 psig; 4 bar; 0.4 MPa
G	125 psig; 8 bar; 0.8 MPa
J	250 psig; 17 bar; 1.7 MPa

Without gauge

Y	30 psig; 2 bar; 0.2 MPa
L	60 psig; 4 bar; 0.4 MPa
N	125 psig; 8 bar; 0.8 MPa
H	250 psig; 17 bar; 1.7 MPa

Adjustment

N Non-rising knob

T T-Handle

* Regulator comes with gauge respective to the adjustment range selected.

Most popular.



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

K22

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Compact Regulators

Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Bonnet	Glass-filled nylon
Diaphragm assembly	Nitrile / Zinc
Valve assembly	Brass / Nitrile
Springs	Steel, stainless steel
Seals	Nitrile
Panel nut	Acetal

Repair and Service Kits

Diaphragm repair kit - relieving	P32KB00RB
Diaphragm repair kit - non-relieving	P32KB00RC
Panel mount nut - aluminum	P32KA00MM
Panel mount nut - plastic	P32KA00MP
Angle bracket (attaches via panel nut)	P32KB00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

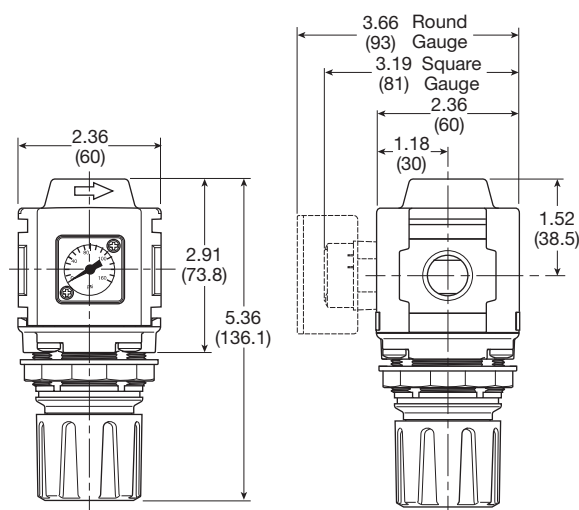


WARNING

**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.



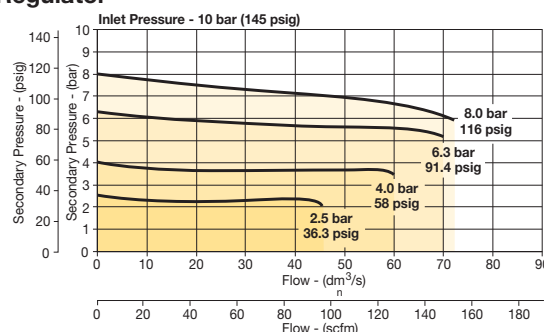
Inches (mm)

NOTE: 1.90 in. (48mm) hole required for panel nut mounting.

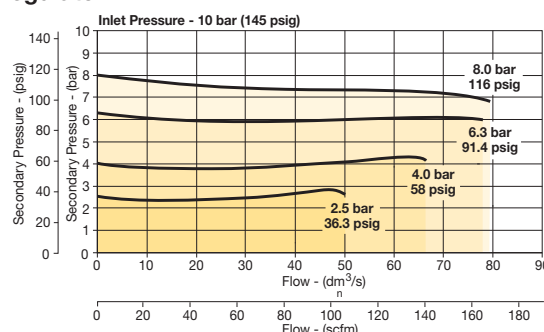
Air Preparation Products Regulator Products

Flow Charts

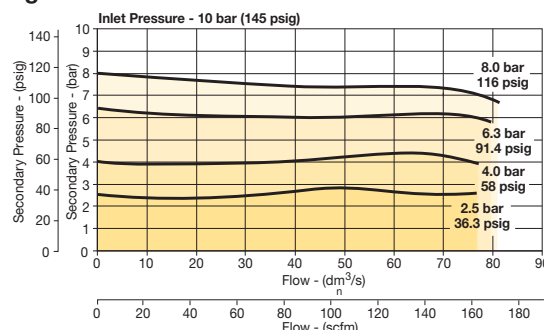
1/4 Regulator



3/8 Regulator



1/2 Regulator



Gauges

Square flush mount gauge	0-4 bar	K4511SCR04B
	0-11 bar	K4511SCR11B
	0-60 psig	K4511SCR060
	0-160 psig	K4511SCR160
Square with adapter kit	0-4 bar	P6G-PR10040
	0-11 bar	P6G-PR10110
	0-60 psig	P6G-PR90060
	0-160 psig	P6G-PR90160
50mm (2") round 1/4" center back mount	0-30 psig / 0-2 bar	K4520N14030
	0-60 psig / 0-4 bar	K4520N14060
	0-160 psig / 0-11 bar	K4520N14160
	0-300 psig / 0-20 bar	K4520N14300

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.



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

K23

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

General

Dial

Pilot

Proportional

Precision

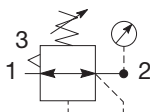
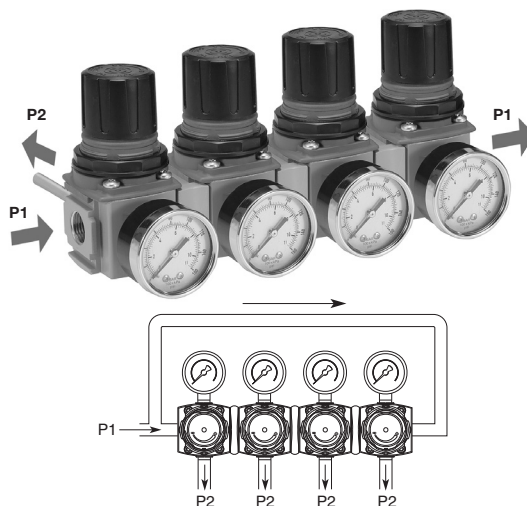
Water

K

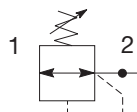
Regulator
Products

P32 Common - P1 Regulator – Compact

- Manifold style regulator with line pressure on both sides.
- Pressure output is at front or rear.
- Inlet ports 1/4", 3/8" or 1/2" (NPT, BSPP & BSPT)
- Working port 1/4"
- Robust construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Non-rising knob



Self relieving regulator with gauge



Non-relieving regulator

Port size	Description (relieving)	Gauge	Part number
1/4"	125 psig (8 bar)	None	P32HB92BNNP
3/8"	125 psig (8 bar)	None	P32HB93BNNP
1/2"	125 psig (8 bar)	None	P32HB94BNNP

Operating information

Flow capacity*:	1/4, 3/8, 1/2	30 dm ³ /s (64 scfm)
Operating temperature:		-25°C to 65.5°C (-13°F to 150°F)
Supply pressure (max):		300 psig (20 bar)
Adjusting range pressure:		0 to 30 psig (0 to 2 bar) 0 to 60 psig (0 to 4 bar) 0 to 125 psig (0 to 8 bar) 0 to 232 psig (0 to 16 bar)
Gauge port (2 each):		1/4 NPT, BSPP, BSPT
Weight:		0.50 lb (1.10 kg)
* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar).		

Ordering Information:

P32HB 9 2 B N N P

Basic series
Global modular compact regulator **P32HB**

Thread type
BSPP 1
BSPT 2
NPT 9

Port size †
1/4 2
3/8 3
1/2 4
† Working port 1/4".

Relief
Relieving B
Non-relieving N

Mounting
P Plastic panel mount nut

With square gauge		Adjustment range	
psig	bar		
1 = 30*	V = 2*	Z	30 psig; 2 bar; 0.2 MPa
3 = 60	S = 4	M	60 psig; 4 bar; 0.4 MPa
5 = 125	T = 8	G	125 psig; 8 bar; 0.8 MPa
		J	250 psig; 17 bar; 1.7 MPa

* Regulator comes with gauge respective to the adjustment range selected.

Adjustment
N Non-rising knob
T T-Handle

Adjustment range

Without gauge	
Y	30 psig; 2 bar; 0.2 MPa
L	60 psig; 4 bar; 0.4 MPa
N	125 psig; 8 bar; 0.8 MPa
H	250 psig; 17 bar; 1.7 MPa

Most popular.



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

K24

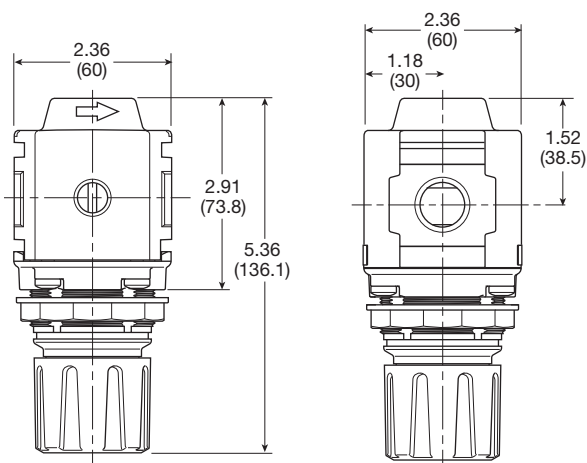
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Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Bonnet	Glass-filled nylon
Diaphragm assembly	Nitrile / zinc
Valve assembly	Brass / nitrile
Springs	Steel, stainless steel
Seals	Nitrile
Panel nut	Acetal

Repair and Service Kits

Diaphragm repair kit - relieving	P32KB00RB
Diaphragm repair kit - non-relieving	P32KB00RC
Panel mount nut - aluminum	P32KA00MM
Panel mount nut - plastic	P32KA00MP
Angle bracket (attaches via panel nut)	P32KB00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

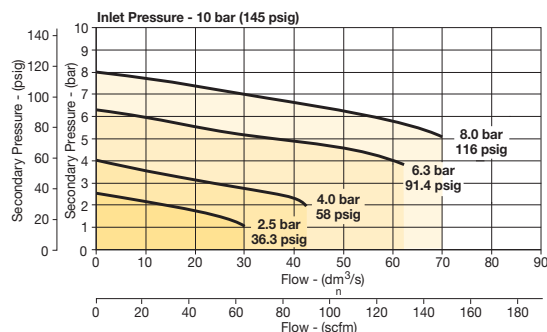


Inches (mm)

NOTE: 1.90 in. (48mm) hole required for panel nut mounting.

Flow Charts

P32 Common Port Regulator



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.

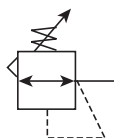
Gauges

Square flush mount gauge	0-4 bar	K4511SCR04B
	0-11 bar	K4511SCR11B
	0-60 psig	K4511SCR060
	0-160 psig	K4511SCR160
Square with adapter kit	0-4 bar	P6G-PR10040
	0-11 bar	P6G-PR10110
	0-60 psig	P6G-PR90060
	0-160 psig	P6G-PR90160
50mm (2") round 1/4" center back mount	0-30 psig / 0-2 bar	K4520N14030
	0-60 psig / 0-4 bar	K4520N14060
	0-160 psig / 0-11 bar	K4520N14160
	0-300 psig / 0-20 bar	K4520N14300

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

07R Regulators – Standard

- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Rolling diaphragm for extended life
- Two high flow 1/4" gauge ports can be used as additional outlets
- Easily serviced
- Removable non-rising knob for panel mounting and tamper resistance
- 1/2", 3/4" ports (NPT, BSPP)



Port size	Description	Part number
1/2"	Without gauge	07R313AC
1/2"	With 160 psi gauge	07R318AC
3/4"	Without gauge	07R413AC
3/4"	With 160 psi gauge	07R418AC

NOTE: 2.0 Dia. (51 mm) hole required for panel mounting.

Operating information

Supply pressure (max):	250 psig (17.2 bar)
Secondary pressure ranges	
Standard	2 to 125 psig (0 to 8.6 bar)
Low	1 to 60 psig (0 to 4.1 bar)
High	5 to 250 psig (0.4 to 17.2 bar)
Operating temperature:	32°F to 175°F (0°C to 80°C)
Low temperature	-4°F to 125°F (-20°C to 52°C)
Flow capacity†:	
High flow	1/2" 90 scfm (42.5 dm³/s, ANR)
	3/4" 90 scfm (42.5 dm³/s, ANR)
Gauge ports (2):	1/4 inch (can be used as additional full flow 1/4 inch outlet ports)
Weight:	2.5 lb (1.1 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

07R

Port Size	
1/2 inch	3
3/4 inch	4

3

13

Pressure Range	
Without gauge	
60 psig	11
125 psig	13
250 psig	15
With gauge*	
60 psig	16
125 psig	18
250 psig	21

* Includes 1-1/2" dial face gauge.

A

Relief	
Relieving	A
Non-relieving	L

C

Engineering Level	
Current	C

Blank

Port Type	
Blank	NPT
1*	BSPP

* 1/4 & 3/8 inch meet ISO 1179-1 Standard.

Blank

Preset / Pressure Limited	
Blank	None
XXX*	Preset pressure

* Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory.
(Example: 065 = 65 psig)

Options	
Blank	No option
L†	Preset non-adjustable
P†	Preset Adjustable
R	Reverse Flow

† Inlet Pressure is 100 psig. For other pressures, contact factory.

Spring Type by Preset / Limited Pressure:

For Preset / Limited Pressure 26 to 50 use 60 psi spring

For Preset / Limited Pressure 51 to 90 use 125 psi spring

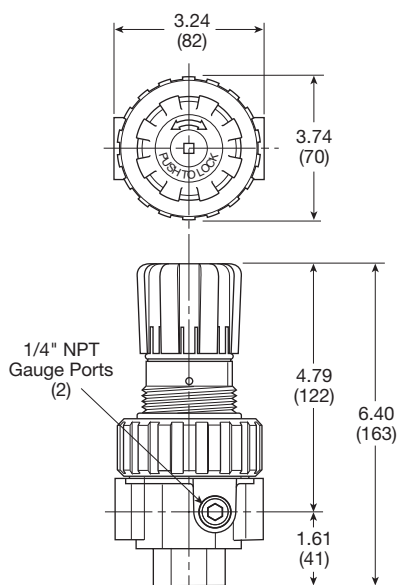
Most popular.

Material Specifications

Adjusting stem	Steel
Body	Zinc
Bonnet, piston stem, valve poppet & cap	Plastic
Collar, knob	Plastic
Diaphragm	Nitrile
Seals	Nitrile
Spring, poppet	Stainless
Spring, control	Steel

Repair and Service Kits

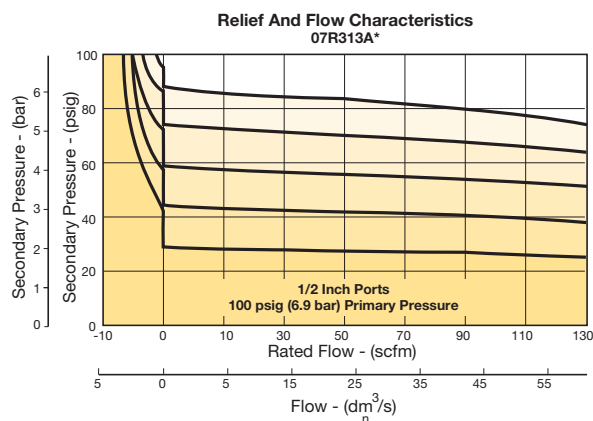
Bonnet assembly kit	PS715P
Control knob	P04069B
2" dial face 60 psig (0 to 4.1 bar), gauge	K4520N14060
2" dial face 160 psig (0 to 11.0 bar), gauge	K4520N14160
2" dial face 300 psig (0 to 20.7 bar), gauge	K4520N14300
1-3/4" digital round face 160 psig (0 to 11.0 bar), gauge	K4517N14160D
Mounting bracket kit (includes panel mount nut)	PS807P
Panel mount nut, plastic	P04082
Panel Mount nut, metal	P04079B
Reverse flow service conversion kit, relieving	PS808RP
Relieving (includes poppet)	PS808P
Non-relieving (includes poppet)	PS809P
1-30 psig spring	P01698
1-60 psig spring	P04062
2-125 psig spring	P04063
5-250 psig spring	P04064
Tamperproof kit	PS737P



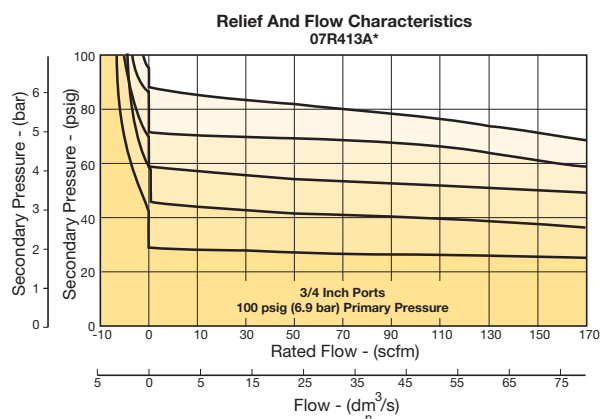
Inches (mm)

Flow Charts

1/2" Regulator



3/4" Regulator



WARNING

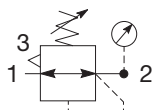
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.**

CAUTION:

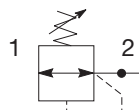
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting 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.

P33 Regulators – Standard

- Integral 1/2" or 3/4" ports (NPT, BSPP & BSPT)
- Robust but lightweight aluminum construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Non-rising knob



Self relieving regulator with gauge



Non-relieving regulator

Port size	Description (relieving)	Gauge	Part number
1/2"	125 psig (8 bar)	None	P33RA94BNNP
1/2"	125 psig (8 bar)	Round	P33RA94BNGP
3/4"	125 psig (8 bar)	None	P33RA96BNNP
3/4"	125 psig (8 bar)	Round	P33RA96BNGP

Operating information

Flow capacity*:	1/2, 3/4	233 scfm (110 dm ³ /s, ANR)
Operating temperature:		-13°F to 150°F (-25°C to 65.5°C)
Supply pressure (max):		300 psig (20 bar)
Adjusting range pressure:		0 to 30 psig (0 to 2 bar) 0 to 60 psig (0 to 4 bar) 0 to 125 psig (0 to 8 bar) 0 to 250 psig (0 to 17 bar)
Gauge port (2 each):		1/4 NPT, BSPP, BSPT
Weight:		1.61 lb (0.62 kg)
* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar).		

Ordering Information:

P33RA 9 6 B N G P						
Basic series Global modular standard regulator P33RA		Thread type BSPP 1 BSPT 2 NPT 9				
		Port size 1/2 4 3/4 6				
		Relief Relieving B Non-relieving N Reverse flow-relieving R				
		Adjustment Non-rising knob N				
				Mounting P Plastic panel mount nut		
				Adjustment range With round gauge Z 30 psig; 2 bar; 0.2 MPa M 60 psig; 4 bar; 0.4 MPa G 125 psig; 8 bar; 0.8 MPa J 250 psig; 17 bar; 1.7 MPa Without gauge Y 30 psig; 2 bar; 0.2 MPa L 60 psig; 4 bar; 0.4 MPa N 125 psig; 8 bar; 0.8 MPa H 250 psig; 17 bar; 1.7 MPa		

Most popular.



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

K28

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Body cap	ABS
Bonnet	Glass-filled nylon
Diaphragm assembly	Nitrile / zinc
Valve assembly	Brass / nitrile
Springs	Steel, stainless steel
Seals	Nitrile
Panel nut	Acetal

Repair and Service Kits

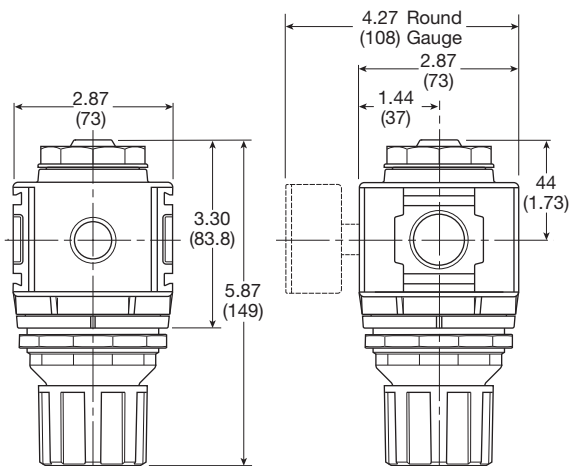
Diaphragm repair kit - relieving	P33KA00RB
Diaphragm repair kit - non-relieving	P33KA00RC
Panel mount nut - aluminum	P33KA00MM
Panel mount nut - plastic	P33KA00MP
Angle bracket (attaches via panel nut)	P33KA00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

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.

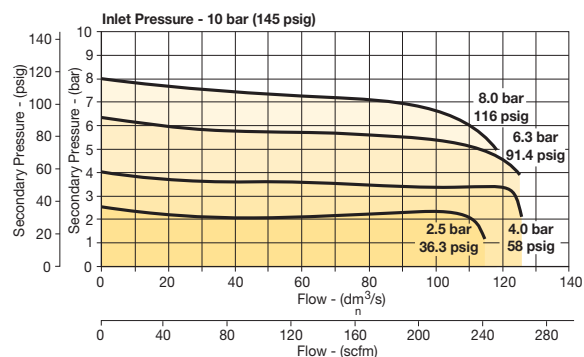


Inches (mm)

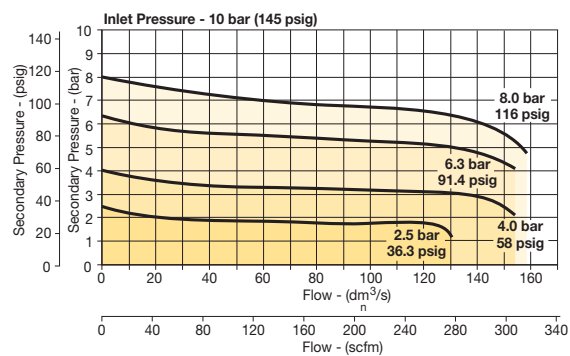
NOTE: 2.40 in. (61mm) hole required for panel nut mounting.

Flow Charts

1/2 Regulator



3/4 Regulator



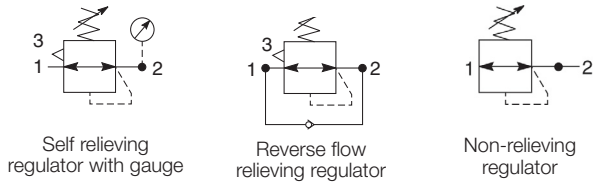
Gauges

50mm (2") round	0-30 psig / 0-2 bar	K4520N14030
1/4" center back mount	0-60 psig / 0-4 bar	K4520N14060
	0-160 psig / 0-11 bar	K4520N14160
	0-300 psig / 0-20 bar	K4520N14300

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

P3Y Regulators

- Integral 3/4" or 1" ports (BSPP and NPT)
- Robust but lightweight aluminium construction
- Secondary pressure ranges 12 and 16 bar
- Rolling diaphragm for extended life
- Secondary aspiration plus rolling diaphragm provides quick response and accurate pressure regulation
- Optional tamperproof regulator padlock
- Reverse flow / relieving option
- Low temperature -40°C (-40°F)



Port size	Description	Part number
3/4"	174 psig relieving	P3YRA96BNEN
3/4"	174 psig relieving + pressure gauge	P3YRA96BNFN
1"	174 psig relieving	P3YRA98BNEN
1"	174 psig relieving + pressure gauge	P3YRA98BNFN

Operating information

Supply pressure (max)*:	254 psig (17.5 bar)
Operating temperature:	-40°F to 140°F (-40°C to 60°C)
Flow capacity†:	3/4" 380 scfm (179.3 dm³/s, ANR) 1" 550 scfm (259.6 dm³/s, ANR)
Fluid:	Compressed air
Gauge port (x2)	1/4"
Weight:	2.4 lb (1.08 kg)

† Inlet pressure 145 psig (10 bar) inlet pressure, 91.4 psig (6.3 bar) set pressure and 7.3 psig (0.5 bar) pressure drop.
* Air supply must be dry enough to avoid ice formation at temperatures below 35.6°F (2°C).

Ordering information

Basic series		Thread type*		Port size		Relief		Lockable		Adjustment range	
Regulator	P3YRA	BSPP	1	3/4	6	B	Relieving	N	Standard	E	0 to 174 psi (0 to 12 bar), no gauge
		NPT	9	1	8	R	Reverse flow / relieving	A†	Lockable	H	0 to 232 psi (0 to 16 bar), no gauge
										F	0 to 174 psi (0 to 12 bar), gauge
										J	0 to 232 psi (0 to 16 bar), gauge

Notes:
* For 1-1/2" ported unit, please order P3YKA*BCP port block kit separately.
† Not field convertible.

Most popular.



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

K30

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Regulators

Material specifications

Body	Aluminium
Bonnet	Glass filled polyamide
Regulator cover	ABS
Control knob	Glass filled polyamide
Valve	Brass / NBR
Seals	Nitrile NBR
Screws	Steel / zinc plated

Repair and Service Kits

Angle bracket + metal lock ring	P3YKA00MS
Panel mounting nut	P3YKA00MM
Diaphragm kit (relieving type)	P3YKA00RR
Diaphragm kit (non-relieving type)	P3YKA00RN
0 to 160 psig (0 to 10 bar), gauge 1/4" port	K4520N14160
0 to 300 psig (0 to 20 bar), gauge 1/4" port	K4520N14300

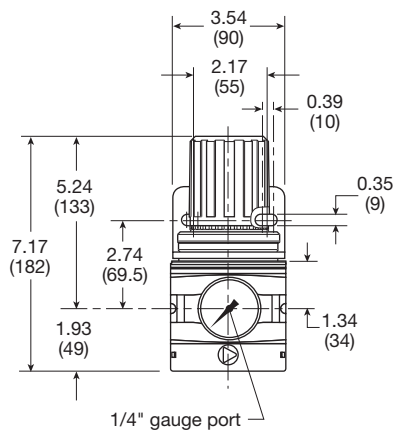


WARNING

**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.

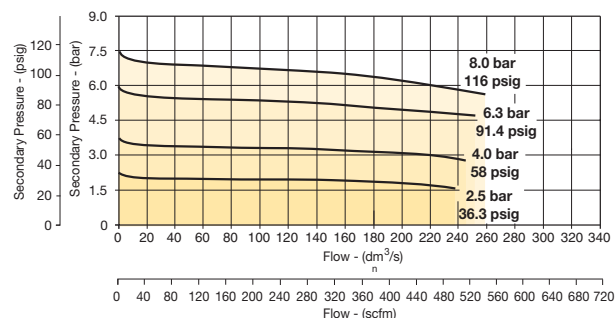


Inches (mm)

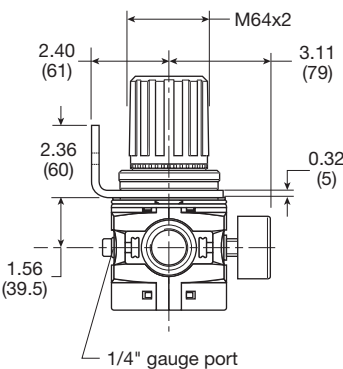
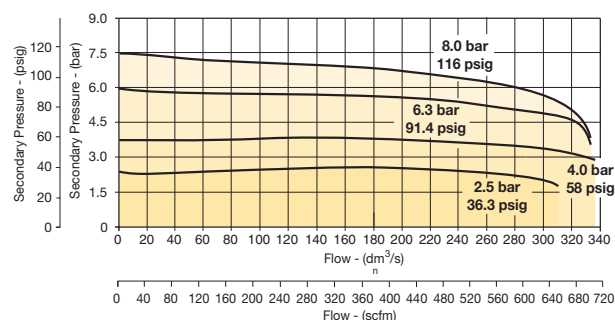
Air Preparation Products Regulator Products

Flow characteristics

(3/4") Regulator



(1") Regulator



General

Dial

Pilot

Proportional

Precision

Water

K

Regulator
Products

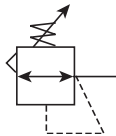
For inventory, lead time, and kit lookup, visit www.pdnplu.com

K31

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

P3NR Regulators – Hi-Flow

- Port blocks (PB) available to provide 1-1/2" port extension to 1" ported bodies
- Self relieving feature plus balanced poppet provides quick response and accurate pressure regulation
- Solid control piston for extended life
- 3/4", 1", 1-1/2" ports (NPT, BSPP)



Port size	Description	Part number
3/4"	Without gauge	P3NRA96BNN
3/4"	With 160 psi gauge	P3NRA96BNG
1"	Without gauge	P3NRA98BNN
1"	With 160 psi gauge	P3NRA98BNG
1-1/2" #	Without gauge	P3NRA9PBNN
1-1/2" #	With 160 psi gauge	P3NRA9PBNG

1" port body with 1-1/2" port block.
NOTE: 2.0 Dia. (51 mm) hole required for panel mounting.

Operating information

Supply pressure (max):	250 psig (17.2 bar)
Operating temperature:	32°F to 175°F (0°C to 80°C)
Flow capacity†:	
High flow	3/4" 200 scfm (94.4 dm³/s, ANR)
	1" 300 scfm (141.6 dm³/s, ANR)
	1-1/2" 300 scfm (141.6 dm³/s, ANR)
Gauge ports (2):	1/4 inch (can be used as additional full flow 1/4 inch outlet ports)
Weight:	3/4", 1" 4.2 lb (1.9 kg)
	1-1/2" # 5.3 lb (2.4 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.
1" port body with 1-1/2" port block

Ordering information:

P3N

R

A

9

8

B

N

N

Engineering Level

Current

A

Port Type

G thread (BSPP) female

1*

Port Size

3/4" (w/o port blocks)

6

Port Size

1" (w/o port blocks)

8

Port Size

1-1/2" port blocks (w/ 1" ported body)

P

Pressure Gauge

Without gauge

N

125 psi (0 to 8 bar)

Pressure Gauge

H

250 psi (0 to 17 bar)

Pressure Gauge

With gauge

G

125 psi (0 to 8 bar)

Pressure Gauge

J

250 psi (0 to 17 bar)

Adjustment

N

Non-rising knob

Relief

B

Relieving

* 3/4 & 1 inch meets ISO 1179-1 standard.

Note: BSPP ported units supplied using NPT ported bodies and BSPP port block kits.

Most popular.



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

Hi-Flow Regulators

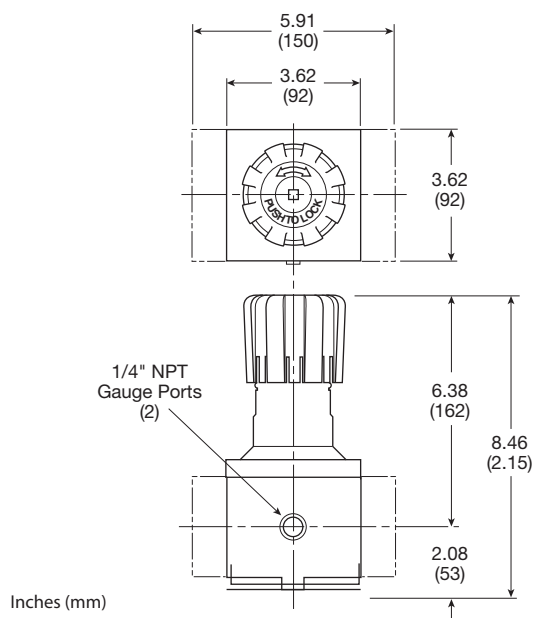
Material Specifications

Adjusting stem	Steel
Body	Aluminum
Bonnet	Aluminum
Knob	Plastic
Piston	Plastic
Poppet assembly	Brass
Seals	Nitrile
Springs, poppet & control	Steel

Repair and Service Kits

Control knob	P3NKA00PN
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*	P3NKA00MW
Relieving	P3NKA00RR
Non-relieving	P3NKA00RN
1-60 psig spring	C10A1304
2-125 psig spring	C10A1308
5-250 psig spring	C10A1317

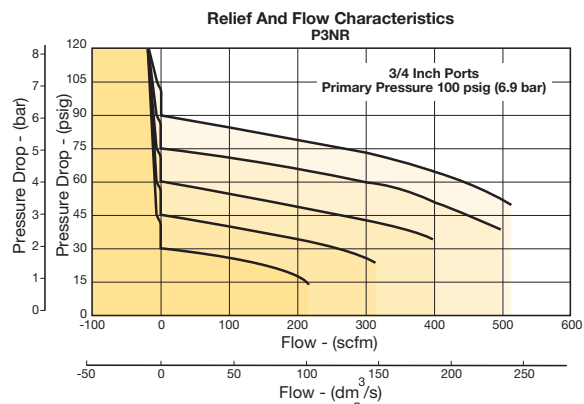
* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.



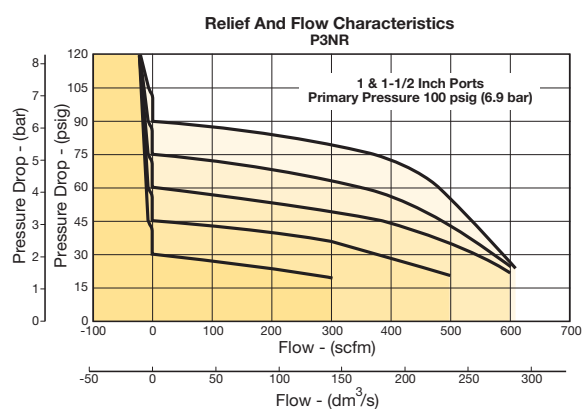
Air Preparation Products Regulator Products

Flow Charts

3/4" Regulator



1" & 1-1/2" Regulator



WARNING

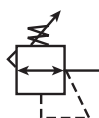
Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.

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.

R119 Regulators – Standard

- 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
- Panel mount version available
- 1/4", 3/8", 1/2" ports (NPT, BSPP)



Port size	Description (0-125 psig reduced pressure)	Part number
1/4"	Without gauge, relieving, NPT	R119-02C
1/4"	With gauge, relieving, NPT	R119-02CG
3/8"	Without gauge, relieving, NPT	R119-03C
3/8"	With gauge, relieving, NPT	R119-03CG
1/2"	Without gauge, relieving, NPT	R119-04C
1/2"	With gauge, relieving, NPT	R119-04CG

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	1/4" 100 scfm (47.2 dm³/s, ANR)
	3/8" 110 scfm (51.9 dm³/s, ANR)
	1/2" 150 scfm (70.8 dm³/s, ANR)
Gauge ports (2):	1/4 inch
Weight:	1/4" 1.8 lb (0.82 kg)
	3/8" 1.8 lb (0.82 kg)
	1/2" 3.2 lb (1.45 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	-	02	C	/M2
Port Threads NPT G BSPP	Port Size 1/4 inch 02 3/8 inch 03 1/2 inch 04	Reduced Pressure Range 0-25 psig A 0-60 psig B 0-125 psig C 0-250 psig D	Engineering Level /M2 Current	Options Blank None G Gauge K† Non-relieving X64** Fluorocarbon o-rings and diaphragm X80* Reverse flow X7 Brass bottom plug

* Reverse flow for use downstream of control valves.
** Brass bottom plug standard with X64 option.
† Not available with 250 psig spring.

Most popular.



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

K34

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Material Specifications

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

Repair and Service Kits

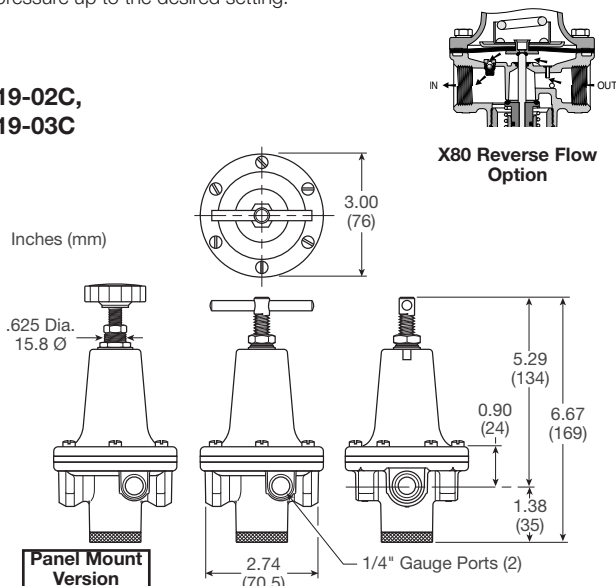
2" dial face 60 psig (0 to 4.1 bar), gauge	K4520N14060
2" dial face 160 psig (0 to 11.0 bar), gauge	K4520N14160
2" dial face 300 psig (0 to 20.7 bar), gauge	K4520N14300
1-3/4" digital round face 160 psig (0 to 11.0 bar), gauge	K4517N14160D
Mounting bracket, 1/4", 3/8"	SA15Y57
Mounting bracket, 1/2"	18A57
Panel mount conversion kit, 1/4", 3/8"	4202
Panel mount conversion kit, 1/2"	4204
Non-relieving diaphragm, valve assembly (1/4", 3/8"; all psig)	RK118Y
Relieving diaphragm, valve assembly (1/4", 3/8"; all psig)	RK119Y
Non-Relieving diaphragm, valve assembly (1/2"; 25, 60, 125 psig)	RK118A
Relieving diaphragm, valve assembly (1/2"; 25, 60, 125 psig)	RK119A
Relieving diaphragm, valve assembly (1/2"; 250 psig)	RK119A250
Spring cage & T-handle kit (1/4 & 3/8)	RKC119Y
Spring cage & insert only kit (1/2)	SAC18A3/BK

For fluorocarbon repair kits, add X64 to kit number suffix.

CAUTION:

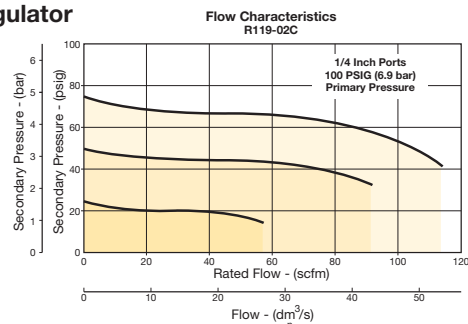
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting 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.

R119-02C, R119-03C

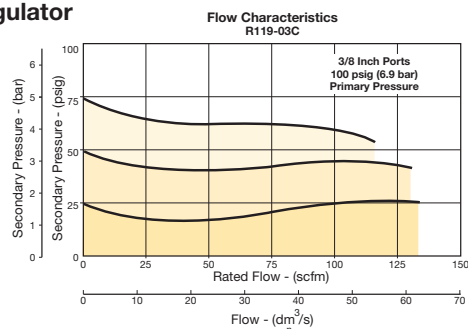


Flow Charts

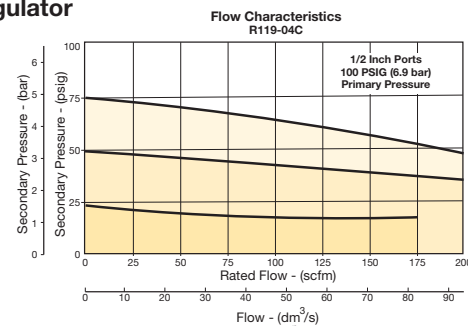
1/4" Regulator



3/8" Regulator



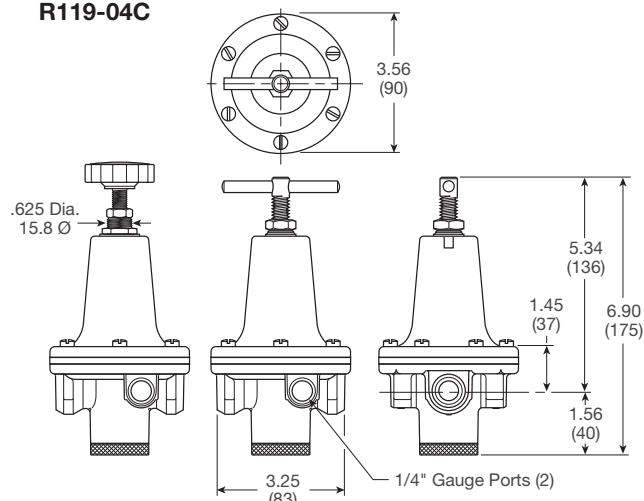
1/2" Regulator



WARNING

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

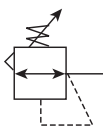
R119-04C



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)



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 dm³/s, ANR)
	1" 400 scfm (188.8 dm³/s, ANR)
	1-1/2" 500 scfm (236 dm³/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.

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

Ordering information:

R119	-	06	C		/**
Port Threads NPT - G BSPP G		Port Size 3/4 inch 06 1 inch 08 1-1/2 inch 12		Engineering Level /** Will be entered at Factory	
		Reduced Pressure Range 0-125 psig C 0-250 psig D		Options Blank None G Gauge K Non-relieving X64** Fluorocarbon o-rings and diaphragm X80* Reverse flow	

* 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

K36

Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.parker.com/pneumatics

Material Specifications

Adjusting screw, springs	Steel
Body, spring cage	Zinc
Bottom plug, innervalue	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

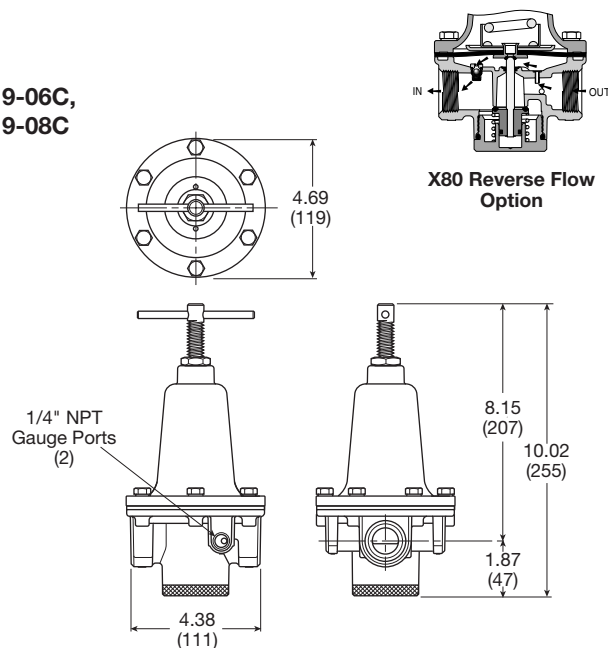
For Fluorocarbon Repair Kits, add X64 to kit number suffix.

**WARNING**

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

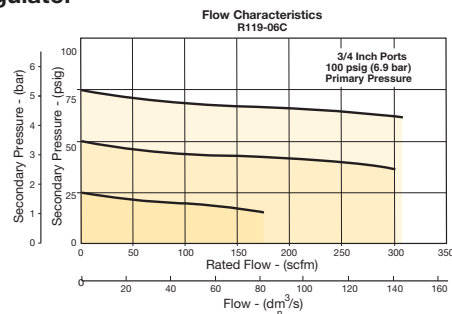
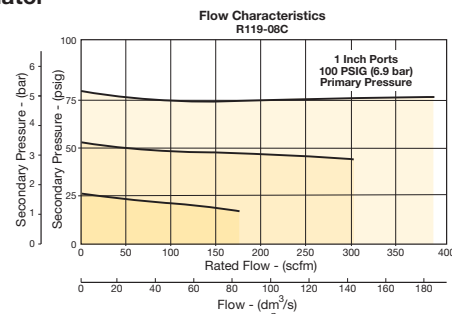
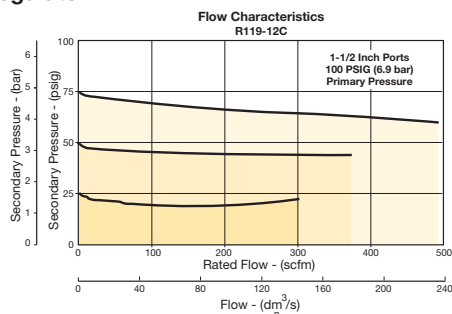
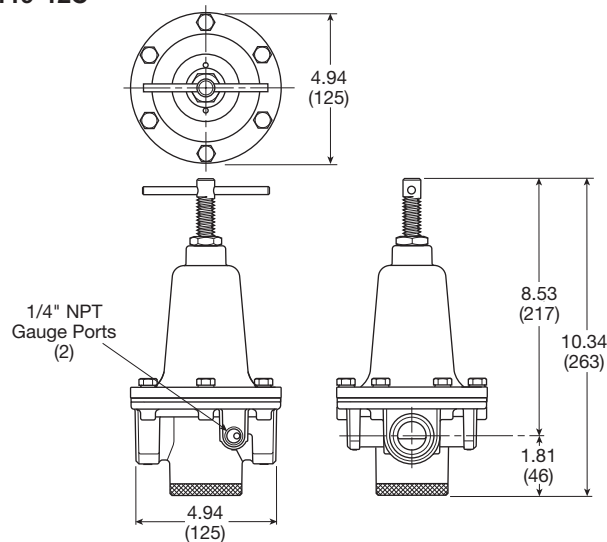
CAUTION:

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**R119-06C,
R119-08C**

Inches (mm)

Flow Charts

3/4" Regulator**1" Regulator****1-1/2" Regulator****R119-12C**

General

Dial

Pilot

Proportional

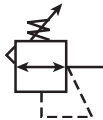
Precision

Water

KRegulator
Products

R216 Semi-Precision Regulators

- 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 with large surface area and aspirator for quick and precise regulation
- Heavy duty tee handle adjustment
- Panel mount version available
- 1/4", 3/8" ports (NPT BSPP)



Port size	Description (Relieving Type)	Part number
1/4"	Tee Handle, Without Gauge, NPT	R216-02F
1/4"	Hand Wheel Knob, Without Gauge, NPT	R216-02FP
3/8"	Tee Handle, Without Gauge, NPT	R216-03F
3/8"	Hand Wheel Knob, Without Gauge, NPT	R216-03FP

Operating information

Supply pressure:

300 psig (20.7 bar)

Reduced pressure range:

0.5 to 20 psig (0.03 to 1.4 bar)

Operating temperature:

40°F to 125°F (4.4°C to 52°C)

Flow capacity†:

40 scfm (19.3 dm³/s, ANR)

Gauge ports (1):

1/8 inch

Weight:

2.2 lb (100 kg)

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

Ordering information:

R219

Port Threads

NPT	-
BSPP	G

-

Pressure Range

1/4 inch	02
3/8 inch	03

02

Reduced Pressure Range

0 to 8 psig (0.6 bar)	E
0 to 20 psig (1.4 bar)	F
0 to 50 psig (3.4 bar)	H

F

Options

K	Non-relieving
P	Panel mount with nut

/*

Engineering Level

Will be entered at factory.

Most popular.



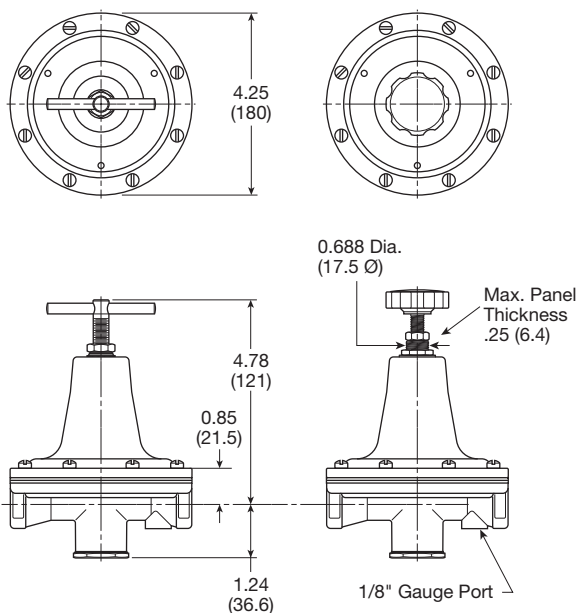
For inventory, lead times, and kit lookup, visit www.pdnplu.com

Material Specifications

Body, spring cage	Zinc
Bottom plug	Brass
Seals	Buna N

Repair and Service Kits

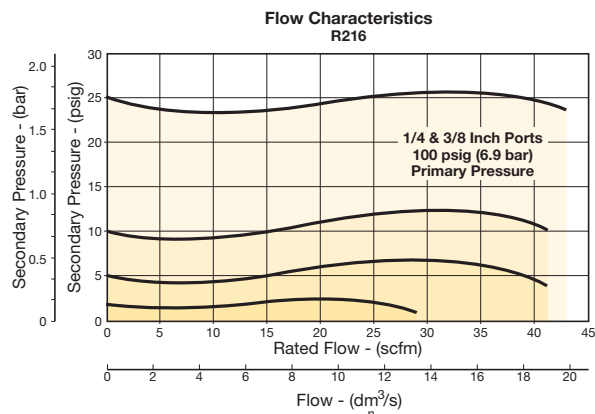
Round plastic knob	118Y51
Panel mount conversion kit (Spring cage, knob, hardware)	4206
Non-relieving diaphragm, valve assembly (1/4", 3/8")	RK216KY
Relieving diaphragm, valve assembly (1/4", 3/8")	RK216Y



Inches (mm)

Flow Charts

R216 1/4" & 3/8" Regulator



WARNING

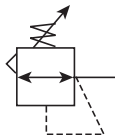
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.**

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.

09R Regulators – Hi-Flow

- Piston design for reduced downtime
- High flow
- Balanced poppet for quick and accurate regulation.
- Two full flow 1/4" gauge ports which can be used as additional outlets
- Self relieving piston standard
- 2" ports (NPT)



Port size	Description	Part number
2"	Without gauge, relieving	09R813BA

Operating information

Supply pressure (max):	300 psig (0 to 20.7 bar)
Secondary pressure range:	10 to 125 psig (0.7 to 8.6 bar) 10 to 180 psig (0.7 to 12.4 bar)
Operating temperature:	32°F to 150°F (0°C to 65.6°C)
Flow capacity†:	
High flow	1000 scfm (472 dm³/s, ANR)
Gauge ports (2):	1/4 inch (can be used as additional full flow 1/4 inch outlet ports)
Weight:	10.82 lb (53 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet, 90 psig no flow secondary setting and 10 psig pressure drop.

Ordering information:

09R 8 13 B A

Port Threads

2 inch 8

Pressure Range

125 psig 13
180 psig 15

Engineering Level

A Current

Relief

B Relieving
M Non-relieving

Most popular.



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

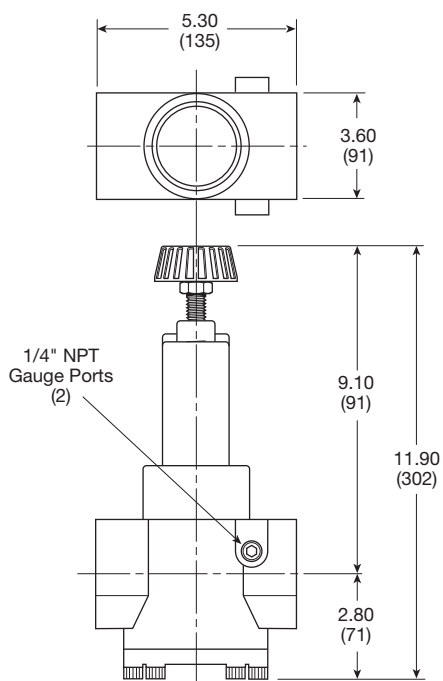
Hi-Flow Regulators

Material Specifications

Adjusting stem & springs	Steel
Body	Zinc Alloy
Bonnet, piston stem, valve poppet & cap	Aluminum
Piston, cap	Plastic
Seals	Nitrile

Repair and Service Kits

Body service kit	PS603P
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	PS605P
Non-relieving	PS604P
Relieving	PS626P
0 to 125 psig spring	PS602P
0 to 180 psig spring	PS627

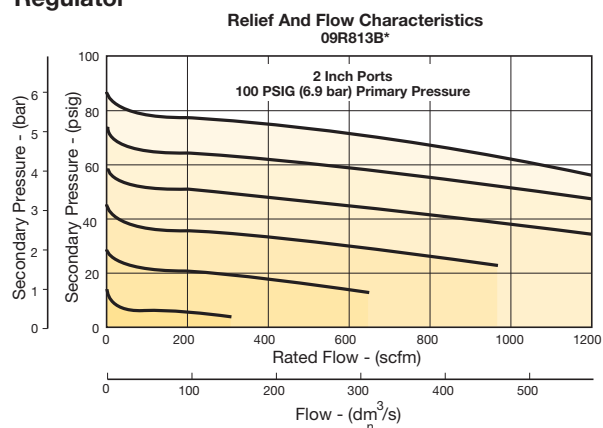


Inches (mm)

Air Preparation Products Regulator Products

Flow Charts

2" Regulator



WARNING

**Product rupture can cause serious injury.
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Do not exceed Maximum primary pressure rating.**

CAUTION:

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