







Air Preparation Units

Filters, Regulators, and Lubricators

aerospace climate control electromechanical filtration

fluid & gas handling hydraulics pneumatics process control sealing & shielding



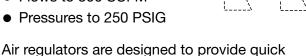
ENGINEERING YOUR SUCCESS.



Regulators

Regulators

- Pipe Sizes 1/8 thru 11/2 Inch
- Flows to 300 SCFM
- Pressures to 250 PSIG



- Miniature 14R Series, 1/8 and 1/4 Inch
- Miniature FR364 Stainless Series, 1/4 Inch.

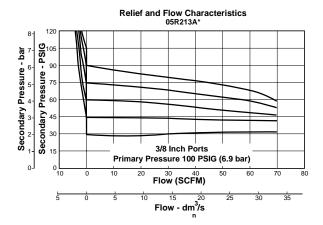
response and accurate pressure regulation for the most demanding industrial applications.

- Economy 05R Series, 1/4 and 3/8 Inch
- Compact 06R Series, 1/4, 3/8 and 1/2 Inch
- Standard FR11 Stainless Series, 1/2 Inch
- Standard 07R Series, 3/8, 1/2 and 3/4 Inch
- Hi-Flow P3NR Series, 3/4, 1 and 1½ Inch
- Pilot Controlled 11R, 12R Series, 1/4 thru 3/4 Inch

Regulator Selection

- 1. Determine maximum system flow requirements.
- 2. Determine maximum allowable pressure drop at rated flow in SCFM.
- 3. Refer to flow chart and select regulator by choosing the curve that offers minimum pressure drop at desired flow in SCFM.

Reading Flow Charts to Size Regulators



Once the required flow is determined for a pneumatic application the regulator or filter/regulator can be selected by using the flow chart. The chart serves two different purposes. To read the flow, use the right side of the chart. To read the relief characteristics use the left side of the chart. When reading the flow chart, first determine the secondary pressure that will be used. Find the appropriate pressure curve on the graph. Given an acceptable pressure drop for an application, follow the flow curve until it intersects the pressure drop point. This will give the flow at that particular pressure drop.

↑ WARNING

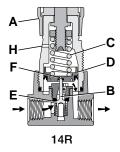
Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed maximum primary pressure rating.

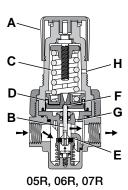
CAUTION:

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.





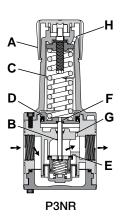


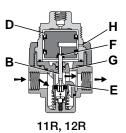
With the adjusting knob (A) turned fully counterclockwise (no spring load), and pressure supplied to the regulator inlet port, the valve poppet assembly (B) is closed. Turning the adjusting knob clockwise applies a load to control spring (C). This load causes the piston /diaphragm (D) and the valve poppet assembly (B) to move downward allowing flow across the seat area (E) created between the poppet assembly and the seat. Pressure in the downstream line is sensed below the piston / diaphragm (D) and offsets the load of spring (C). As downstream pressure rises, poppet assembly (B) and control piston (C) move upward until the area (E) is closed and the load of the spring (C) and pressure under piston / diaphragm (D) are in balance. A reduced outlet pressure has now been obtained, depending on spring load. Creating a demand downstream, such as opening a valve, results in a reduced pressure under the piston / diaphragm (D). The load of control spring (C) now causes the poppet assembly to move downward opening seat area (E) allowing air to flow to meet the downstream demand. The flow of downstream air is metered by the amount of opening (E).

During low flow requirements, the amount of opening at the seat (E) is small, while at high flows it is large. The downstream pressure signal, which regulates the amount of opening, requires an adjustment over this range, in order to attempt a constant output.

This adjustment is the orifice (G), which is sized and located in such a manner as to provide a compensation to the downstream pressure signal transmitted to the piston. This effect is called aspiration and its effect is to maintain downstream pressure nearly constant over a wide range of flow demands.

Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the piston / diaphragm (D) to move upward against control spring (C), open vent hole (F), and vent the excess pressure to atmosphere through the hole in the bonnet (H). (This occurs in the relieving type regulator only.)







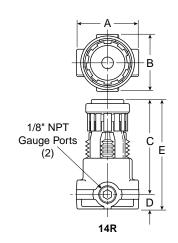
Miniature 14R Series

14R Regulators - Miniature



Features

- Unbalanced poppet standard.
- Solid control piston with lip seal for extended life.
- Non-rising adjusting knob.
- Compact, 2.88 inch (73,2mm) high by 1.65 inch (42mm) wide.
- Easily serviced.
- High Flow: 1/8" 13 SCFM§ 1/4" – 15 SCFM§



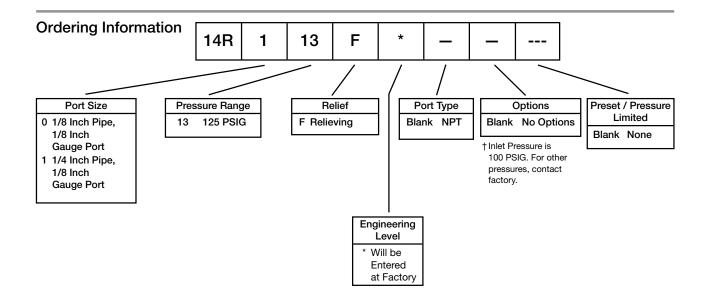
Port Size	NPT
Without Gaug	e
1/8"	14R013F*
1/4"	14R113F*

14R Regulator Dimensions					
14R	A	B	C	D	E
	1.65	1.56	2.50	0.38	2.88
	(42)	(40)	(63,5)	(10)	(73)

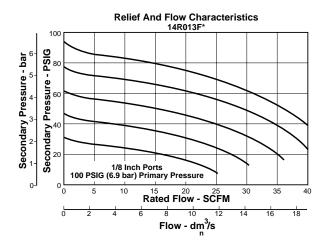
Inches (mm)

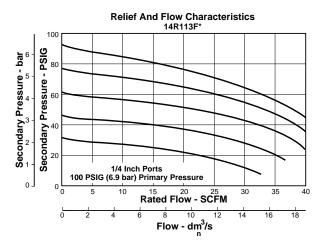
NOTE: 1.218 Dia. (31mm) hole required for panel mounting.

§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.









CAUTION:

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

⚠ WARNING

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

14R Regulator Kits & Accessories

Body Service Kit - Unbalanced	PS424BP	
Bonnet Assembly Kit	L01369	
Gauges – 30 PSIG, 1/8" NPT (0 to 2.1 bar)K 60 PSIG, 1/8" NPT (0 to 4.1 bar)K 160 PSIG, 1/8" NPT (0 to 11.0 bar)K	4515N18060	
Mounting Bracket Kit (Includes Panel Mount Nut) PS417BP		
Panel Mount Nuts - Plastic		
Service Kits - Relieving	PS423P	
Springs – 2-125 PSIG Range (Gold)	P01173	

Specifications

Gauge Ports (2)(Can be used for Full Flow)	1/8 Inch
Port Threads	1/8, 1/4 Inch
Pressure & Temperature Ratings –	0 to 300 PSIG (0 to 20.7 bar) 32°F to 125°F (0°C to 52°C)
Low Temperature	4°F to 125°F (-20°C to 52°C)
Secondary Pressure Range- Standard Pressure	2 to 125 PSIG (0 to 8.6 bar)
Weight - 14R	0.3 lb. (0.14 kg)

Adjusting Nut	Brass
Adjusting Stem & Spring	Steel
Body	Zinc
Bonnet, Seat, Piston & Valve Poppet	Plastic
Seals	Nitrile



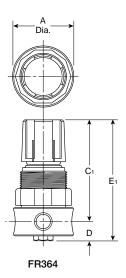
FR364 Regulator - Miniature



Features

- Stainless steel construction handles most corrosive environments.
- Large diaphragm to valve area ratio for precise regulation and high flow capacity.
- Meets NACE specifications MR-01-75/ISO 15156.
- High Flow: 1/4" 12 SCFM§





Series	Adjustment Type	Port Size	NPT
FR364	Knob	1/4"	FR364-02CSS

[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting and 15 PSIG pressure drop.

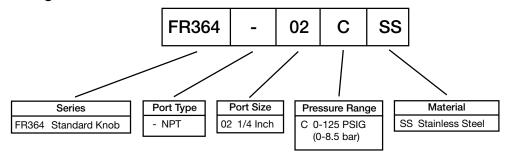
FR364 Regula- tor		
Dimensions		
A 1.56 (40)	C ₁ 2.56 (65)	
D 0.50 (13)	E ₁ 3.06 (78)	

inches (mm)

NOTE: 1.25 Dia. (32mm) hole required for panel mounting.

⚠ WARNING

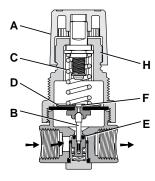
Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.





Air Line Regulators

Operation



FR364

With the adjusting knob (A) turned fully counter-clockwise (no spring load), and pressure supplied to the regulator inlet port. the valve poppet assembly (B) is closed. Turning the adjusting knob clockwise applies a load to control spring (C). This load causes the diaphragm (D) and the valve poppet assembly (B) to move downward allowing flow across the seat area (E) created between the poppet assembly and the seat. Pressure in the downstream line is sensed below the diaphragm (D) and offsets the load of spring (C). As downstream pressure rises, poppet assembly (B) and diaphragm (D) move upward until the area (E) is closed and the load of the spring (C) and pressure under diaphragm (D) are in balance. A reduced outlet pressure has now been obtained, depending on spring load. Creating a demand downstream, such as opening a valve, results in a reduced pressure under the diaphragm (D). The load of control spring (C) now causes the poppet assembly to move downward opening seat area (E) allowing air to flow to meet the downstream demand. The flow of downstream air is metered by the amount of opening (E).

Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the diaphragm (D) to move upward against control spring (C), open vent hole (F), and vent the excess pressure to atmosphere through the hole in the bonnet (H). (This occurs in the relieving type regulator only.)

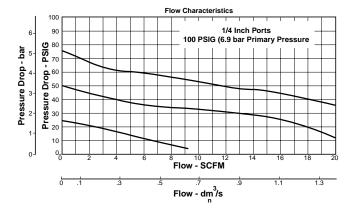
Technical Information

CAUTION:

REGULATOR PRESSURE ADJUSTMENT -

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FR364 Regulator Kits & Accessories

Bonnet Kit (Knob Included)	CKR364YSS
Gauge - 160 PSIG (0 to 1100 kPa)	K4515N14160SS
Panel Mount Bracket (Stainless)	161X57-SS
Panel Mount Nut – Stainless Plastic	
Service Kit – Relieving	RKR364YSS
Springs –	SPR-377-1-SS

Specifications

Gauge Port	1/4 Inch
Operation	Fluorocarbon Diaphragm
Port Threads	1/4 Inch
Pressure & Temperature Ratings –	300 PSIG Max (20.7 bar) 40°F to 150°F (4°C to 66°C)
Weight	0.5 lb. (0.23 kg)

Adjustment Mechanism / Springs	316 Stainless Steel
Adjusting Knob	Polypropylene
Body	316 Stainless Steel
Bonnet	Acetal
Bottom Plug	316 Stainless Steel
Poppet	316 Stainless Steel
Seals	Fluorocarbon



05R Regulators - Economy



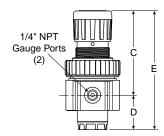
Features

• Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.

05R Series

- Rolling diaphragm for extended life.
- Removable non-rising knob for panel mounting and tamper resistance.
- · Easily serviced.
- Reverse Flow.
- High Flow: 1/4" 30 SCFM§ 3/8" – 40 SCFM§





Port Size	NPT
Without Gaug	je
1/4"	05R113A*
3/8"	05R213A*
With 160 PSI	Gauge
1/4"	05R118A*
3/8"	05R218A*

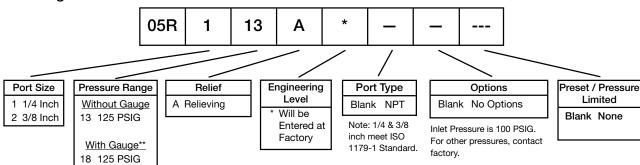
05R Regulator **Dimensions** В Α С 2.00 3.16 2.06 (51) (52)(80) D Ε 1.28 4.44 (32)(113)

Inches (mm)

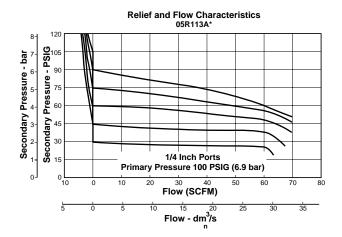
NOTE: 1.53 Dia. (39mm) hole required for panel mounting.

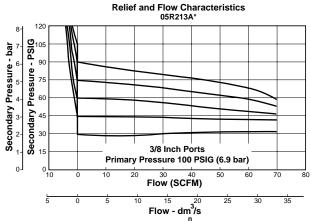
§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

Ordering Information



** Includes 1-1/2" Dial Face Gauge





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

⚠ WARNING

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

05R Regulator Kits & Accessories

Bonnet Assembly Kit	PS915P
Control Knob	P04420
Gauges - 2" Dial Face	
60 PSIG (0 to 4.1 bar)K	4520N14060
160 PSIG (0 to 11.0 bar)k	(4520N14160
Mounting Bracket Kit	PS963P
Panel Mount Nut - Metal	PS964P
Springs - 2-125 PSIG Range	P04425

Specifications

Gauge Ports (2)	1/4 Inch
Port Threads	1/4, 3/8 Inch
Primary Pressure Rating -	
Maximum Primary Pressure	250 PSIG (17.2 bar) Max.
For Secondary Pressure Range	es see above charts.
Temperature Rating	32°F to 175°F (0°C to 80°C)
Low Temperature	4°F to 125°F (-20°C to 52°C)
Weight	1.1 lb. (0.49 kg)

Adjusting Stem	Brass
Bonnet	Plastic
Body	Zinc
Collar, Knob	Plastic
Diaphragm	Nitrile
Poppet & Cap	Plastic
Seals	Nitrile
Springs - Poppet & Control	Steel



06R Regulators - Compact

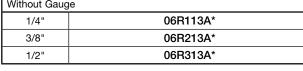


Features

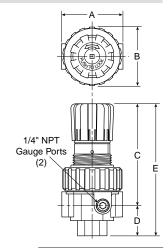
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.
- Rolling diaphragm for extended life.
- Two high flow 1/4" gauge ports can be used as additional outlets.
- · Easily serviced.
- Removable non-rising knob for panel mounting and tamper resistance.
- High Flow: 1/4" 53 SCFM§ 3/8" - 60 SCFM§

1/2" - 75 SCFM§

Port Size	NPT
Without Gaug	e
1/4"	06R113A*
3/8"	06R213A*
1/2"	06R313A*



NOTE: 2.00 Dia. (51mm) hole required for panel mounting.

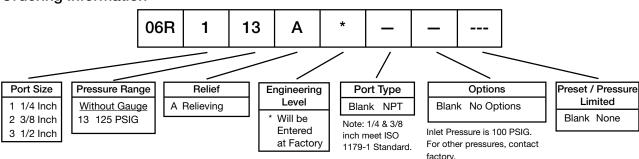


06R Regulator Dimensions		
A 2.81 (71)	B 2.74 (70)	C 4.69 (119)
D 1.39 (35)	E 6.08 (154)	

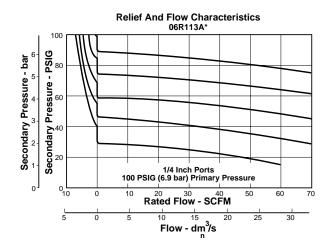
Inches (mm)

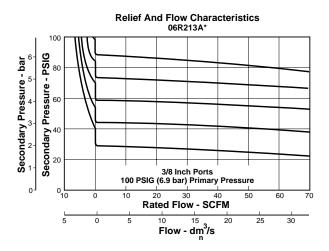
⚠ WARNING

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



[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.



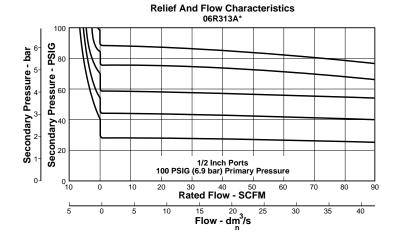


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For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.



06R Regulator Kits & Accessories

Bonnet Assembly KitPS715P
Control KnobP04069B
Gauges - 60 PSIG (0 to 4.1 bar)
Mounting Bracket Kit (Includes Panel Mount Nut) PS707P
Panel Mount Nut - Plastic
Service Kit - Relieving (Includes Poppet) PS708P
Springs – 2-125 PSIG RangeP04063
Tamperproof KitPS737P

Specifications

Gauge Ports (2)
Port Threads
Primary Pressure Rating –
Maximum Primary Pressure250 PSIG (17.2 bar)
Secondary Pressure Range -
Standard Pressure2 to 125 PSIG (0 to 8.6 bar)
Temperature Rating32°F to 175°F (0°C to 80°C)
Weight
Materials of Construction
Adjusting StemSteel
BodyZinc
Bonnet, Piston Stem, Valve Poppet & Cap Plastic
Collar, KnobPlastic
DiaphragmNitrile
Soale

Springs - Poppet Stainless



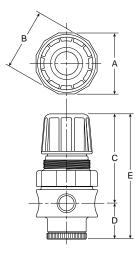
FR10 Regulator - Standard



Features

- Stainless steel construction handles most corrosive environments.
- Large diaphragm to valve area ratio for precise regulation and high flow capacity.
- Meets NACE specifications MR-01-75/ISO 15156.
- Low temperature version available.
- •High Flow: 1/2" 80 SCFM§





Port Size	NPT	
1/2"	FR10-04CSS	

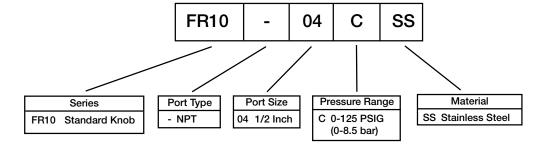
[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting and 15 PSIG pressure drop.

FR10 Regulator Dimensions		
A B C 2.34 2.43 3.59 (60) (62) (91)		C 3.59
D 1.38 (35)	E 4.97 (126)	

inches (mm) NOTE: 1.75 Dia. (44mm) hole required for panel mounting.

⚠ WARNING

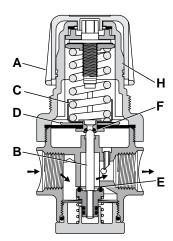
Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.





Air Line Regulators

Operation



With the adjusting knob (A) turned fully counter-clockwise (no spring load), and pressure supplied to the regulator inlet port, the valve poppet assembly (B) is closed. Turning the adjusting knob clockwise applies a load to control spring (C). This load causes the diaphragm (D) and the valve poppet assembly (B) to move downward allowing flow across the seat area (E) created between the poppet assembly and the seat. Pressure in the downstream line is sensed below the diaphragm (D) and offsets the load of spring (C). As downstream pressure rises, poppet assembly (B) and diaphragm (D) move upward until the area (E) is closed and the load of the spring (C) and pressure under diaphragm (D) are in balance. A reduced outlet pressure has now been obtained, depending on spring load. Creating a demand downstream, such as opening a valve, results in a reduced pressure under the diaphragm (D). The load of control spring (C) now causes the poppet assembly to move downward opening seat area (E) allowing air to flow to meet the downstream demand. The flow of downstream air is metered by the amount of opening (E).

Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the diaphragm (D) to move upward against control spring (C), open vent hole (F), and vent the excess pressure to atmosphere through the hole in the bonnet (H). (This occurs in the relieving type regulator only.)

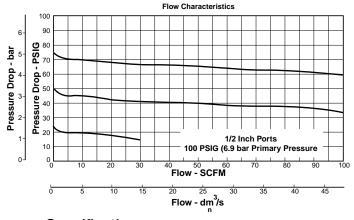
Technical Information

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



FR10 Regulator Kits & Accessories

FR10 Bonnet Kit (Knob Included)CKR10YSS	
Gauge – 160 PSIG (0 to 1100 kPa), 2" Face	
Panel Mount Bracket (Stainless)161X57-SS	
Panel Mount Nut – Stainless R10X51SS Plastic R10X51-P	
Service Kit – RelievingRKR10YSS	
Springs -	

Specifications

Gauge Port	1/4 Inch
Operation	Fluorocarbon Diaphragm
Port Threads	1/2 Inch
Pressure & Temperature Ratings	300 PSIG Max (20.7 bar)
	0°F to 150°F (-18°C to 66°C)
Note: Air must be dry enough to avoid	ice formation at
temperatures below 32°F (2°C)	

Weight1.79 lb. (0.81 kg)

Adjustment Mechanism / Springs	316 Stainless Steel
Body	316 Stainless Steel
Bonnet / Knob	Acetal
Bottom Plug	316 Stainless Steel
Poppet	316 Stainless Steel
Seals	Fluorocarbon



07R Regulators - Standard



Port Size

1/2"

3/4"

Without Gauge 3/8"

Features

- 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.

NPT

07R213A*

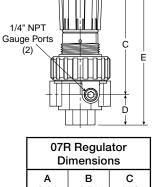
07R313A*

07R413A*

- · Removable non-rising knob for panel mounting and tamper resistance.
- /I§ · High Flow: /I§

/I§

3/8" - 70 SC 1/2" - 90 SC 3/4" - 90 SC	FΜ



07R Regulator Dimensions		
A 3.24 (82)	B 2.74 (70)	C 4.79 (122)
D 1.61 (41)	E 6.40 (163)	

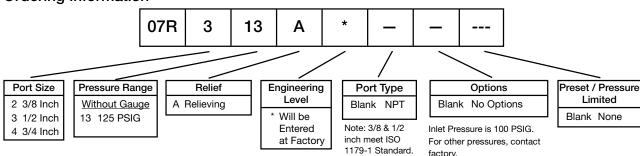
Inches (mm)

NOTE: 2.00 Dia. (51mm) hole required for panel mounting.

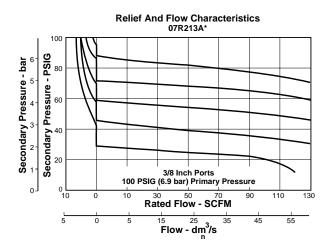
§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

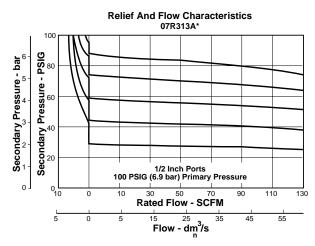
⚠ WARNING

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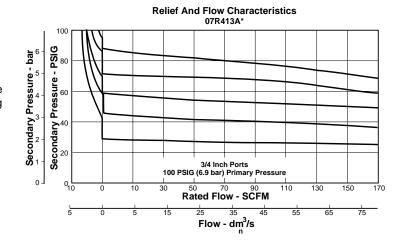


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07R Regulator Kits & Accessories

Bonnet Assembly KitPS715P			
Control KnobP04069B			
Gauges - 60 PSIG (0 to 4.1 bar)			
Mounting Bracket Kit (Includes Panel Mount Nut)PS807P			
Panel Mount Nut - PlasticP04082			
MetalP04079B			
Service Kit - Relieving (Includes Poppet)PS808P			
Springs - 2-125 PSIG RangeP04063			
Tamperproof KitPS737P			

Specifications

(Can be used as additional High Flow 1/4 Inch Outlet Ports)
Port Threads
Primary Pressure Rating – Maximum Primary Pressure250 PSIG (17.2 bar)
Secondary Pressure Range -
Standard Pressure
Temperature Rating32°F to 175°F (0°C to 80°C)
Weight
Materials of Construction
Adjusting Stem Steel
BodyZinc
Bonnet, Piston Stem, Valve Poppet & Cap Plastic
Collar, KnobPlastic
DiaphragmNitrile
SealsNitrile
Springs - Poppet
ControlSteel

Gauge Ports (2) 1/4 Inch



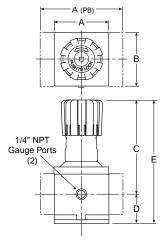
P3NR Regulators - Hi-Flow



Features

- 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.
- High Flow: 3/4" 200 SCFM§

1" - 300 SCFM§ 11/2" - 300 SCFM§



P3NR Regulator Dimensions		
A	A (PB)	B
3.62	5.91	3.62
(92)	(150)	(92)
C	D	E
6.38	2.08	8.46
(162)	(53)	(215)

Inches (mm)

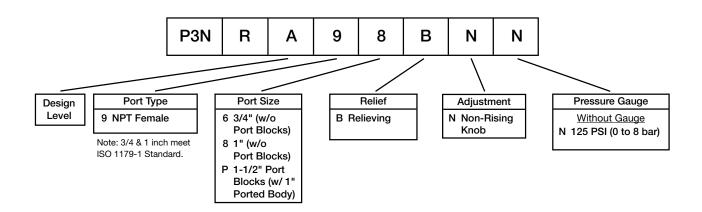
Port Size	NPT	
	Without Gauge	
3/4"	P3NRA96BNN	
1"	P3NRA98BNN	
1½	P3NRA9PBNN	

NOTE: 2.00 Dia. (51mm) hole required for panel mounting.

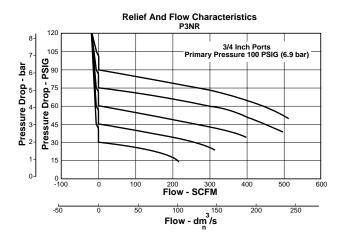
§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

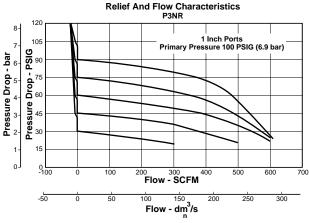
⚠ WARNING

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







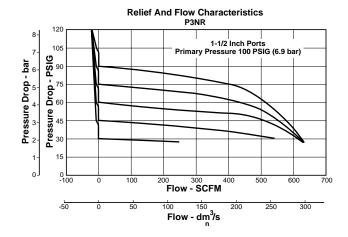


CAUTION:

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.



P3NR Regulator Kits & Accessories

Control KnobP3NKA00PN
Gauges - 60 PSIG (0 to 4.1 bar)K4520N14060
160 PSIG (0 to 11.0 bar)K4520N14160
Mounting Bracket KitP3NKA00MW
Service Kit - RelievingP3NKA00RR
Springs – 2-125 PSIG RangeC10A1308
Specifications
Gauge Ports (2)
Port Threads
Primary Pressure Rating – Maximum Primary Pressure250 PSIG (17.2 bar)
Secondary Pressure Range –

Temperature Rating	32°F to 175°F (0°C to 80°C)
Weight - 3/4"	4.2 lb. (1.9 kg)
1"	4.2 lb. (1.9 kg)
1 ½" †	5.3 lb. (2.4 kg)

Materials of Construction

Adjusting Stem	Steel
Body	Aluminum
Bonnet	Aluminum
Knob	Plastic
Piston	Plastic
Poppet Assembly	Brass
Seals	Nitrile
Springs - Poppet & Control	Steel

† 1" Port Body with 1½" Port Block.



04--1

11R Pilot Controlled Regulator - Compact



Features

- Balanced poppet provides quick response and accurate pressure regulation.
- Pilot controlled regulators can be mounted "out of reach" with pilot regulator installed in a convenient location.
- Solid control piston for extended life.
- Two full flow 1/4" gauge ports can be used as additional outlets.
- Pilot port 1/4 Inch.

High Flow: 1/4" – 85 SCFM§
 3/8" – 95 SCFM§
 1/2" – 95 SCFM§

1/4" NPT -		
1/4" NPT Gauge Ports (2)		 E

11R Pilot Regulator Dimensions		
A 2.81 (71)	B 2.74 (70)	C 3.05 (77)
D 1.39 (35)	E 4.44 (113)	

Inches (mm)

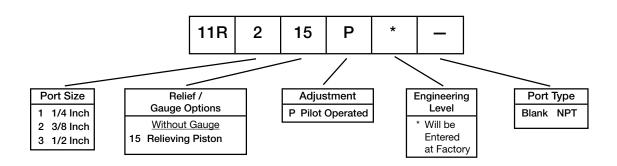
Port Size	NPT	
	Without Gauge	
1/4"	11R115P*	
3/8"	11R215P*	
1/2"	11R315P*	

NOTE: 2.00 Dia. (50,8mm) hole required for panel mounting.

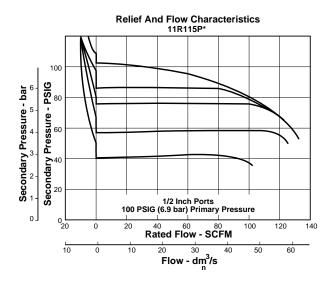
§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

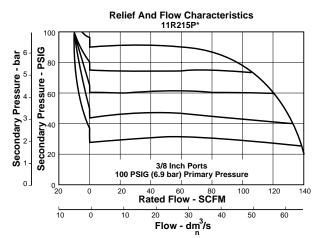
↑ WARNING

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









11R Pilot Regulator Kits & Accessories

Body Service Kits – Seat Insert KitPS713P
Gauges – 60 PSIG (0 to 4.1 bar) K4520N14060 160 PSIG (0 to 11.0 bar) K4520N14160
Mounting Bracket Kit (Includes Panel Mount Nut) PS707P
Panel Mount Nut - Plastic P04082 Metal P04079B
Pilot Conversion Kit – Relieving PS745P
Service Kits – Relieving PS749P

Specifications

Gauge Ports (2)(Can be used as additional Full Flow	
Port Threads	1/4, 3/8, 1/2 Inch
Pressure & Temperature Rating	. 0 to 250 PSIG (0 to 17.2 bar) 32°F to 175°F (0°C to 80°C)
	32°F (0 1/5°F (0°C (0 80°C)
Weight	1.3 lb. (0.58 kg.)

Body & Pilot Cap	Zinc
Piston, Valve Poppet, & Collar	Plastic
Seals	Nitrile
Springs	Steel



12R Pilot Controlled Regulator - Standard



Features

- Balanced poppet provides quick response and accurate pressure regulation.
- Pilot controlled regulators can be mounted "out of reach" with pilot regulator installed in a convenient location.
- Solid control piston for extended life.
- Two full flow 1/4" gauge ports can be used as additional outlets.
- Pilot port 1/4 Inch.

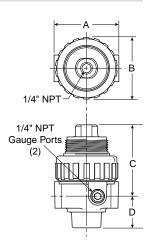
• High Flow: 3/8" - 120 SCFM§

1/2" - 140 SCFM§ 3/4" - 140 SCFM§

Port Size	NPT	
Without Gauge		
3/8"	12R215P*	
1/2"	12R315P*	
3/4"	12R415P*	

NOTE: 2.00 Dia. (50,8mm) hole required for panel mounting.

§ SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.

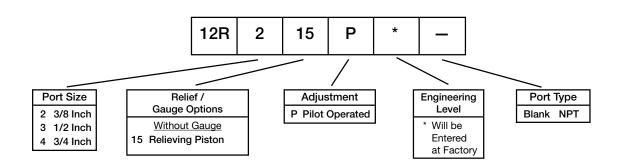


12R Pilot Regulator Dimensions		
A 3.24 (82)	B 2.74 (70)	C 3.15 (80)
D 1.61 (41)	E 4.76 (121)	

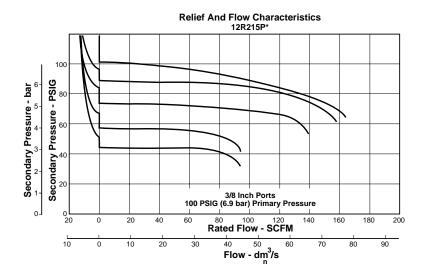
Inches (mm)

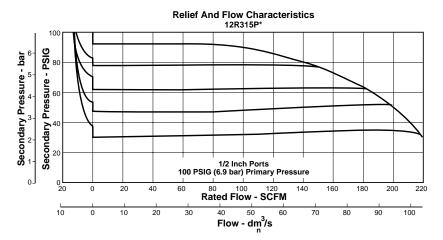
⚠ WARNING

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









12R Pilot Regulator Kits & Accessories

Body Service Kits - Seat Insert Kit	PS813P
Gauges - 60 PSIG (0 to 4.1 bar)	
Mounting Bracket Kit (Includes Panel Mount Nut)	PS807P
Panel Mount Nut - Plastic	
Pilot Conversion Kit – Relieving	PS745P
Service Kits - Relieving	PS849P

Specifications

Gauge Ports (2)(Can be used as additional Full Flo	
(Carr be used as additional rull rio	w 1/4 inch Oddet Forts)
Port Threads	3/8, 1/2, 3/4 Inch
Pressure & Temperature Rating	0 to 250 PSIG (0 to 17.2 bar)
	32°F to 175°F (0°C to 80°C)
Weight	2.0 lb. (0.91 kg)

Body & Pilot Cap	Zinc
Piston, Valve Poppet, & Collar	Plastic
Seals	Nitrile
Springs	Steel

