

Compressed Air Filters

Selection Chart Prep-Air® II Air Preparation Units

Product Selection Chart

Basic Unit	Series	Port Size (inches)											Bowls			Capacity	Elements (Micron)	Page			
		1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	Poly	Metal	Metal SG		5				
FILTERS	FF10				X												316 Stainless Steel	4 oz.	Standard	29	
	10F	X	X														X	X	X	1 oz.	Grade 6 Std., Grade 10 Opt.
COALESCERS	FF501		X														316 Stainless Steel	1 oz.	Grade 6	33	
	FF11				X												316 Stainless Steel	4 oz.	Grade 6	35	

Basic Unit	Series	Port Size (inches)							Spring	Page
		1/8	1/4	3/8	1/2	3/4	1	1-1/2	125	
REGULATORS STANDARD	FR364		X						Standard	37
	05R		X	X					Standard	39
	FR10				X				Standard	41
	07R			X	X	X			Standard	43
	P3NR					X	X	X	Standard	45

*Sight gauge

Compressed Air Filters

Selection Chart Prep-Air[®] II Air Preparation Units

Product Selection Chart

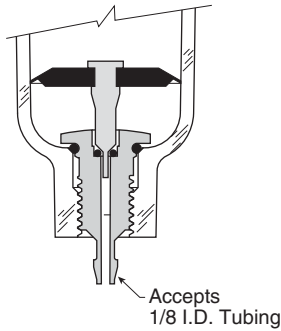
Basic Unit	Series	Port Size							Bowls			Capacity	Elements (Micron)	Spring Range	Page
		1/8	1/4	3/8	1/2	3/4	1	1-1/2	Poly	Metal	Metal SG		5	125	
F I L T E R / R E G U L A T O R S	14E	X	X						X	X	N/A	1 oz.	Standard	Standard	47
	FB548		X						316 Stainless Steel			1 oz.	Standard	Standard	49
	06E		X	X	X				X	X	X	4.4 oz.	Standard	Standard	51
	FB11				X				316 Stainless Steel			4 oz.	Standard	Standard	53

*Sight gauge

Compressed Air Filters

Air Preparation Units - Drains

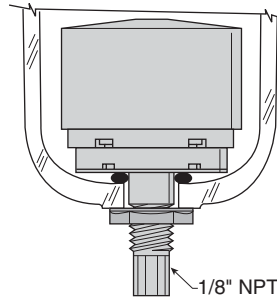
Automatic Pulse Drain



(Spitter Drain)

The diaphragm in this drain pulses when there is a pressure differential such as a valve cycling or cylinder stroking downstream. This action flexes the diaphragm and allows the filter to drain the entrapped water.

Automatic Float Drain



The float internal to this drain rises with increased liquid level. When the float rises, it opens a seat area allowing the trapped liquids to drain through the bottom. A manual override can be pushed in the bottom of the drain to unseat the float if particulates create a block.

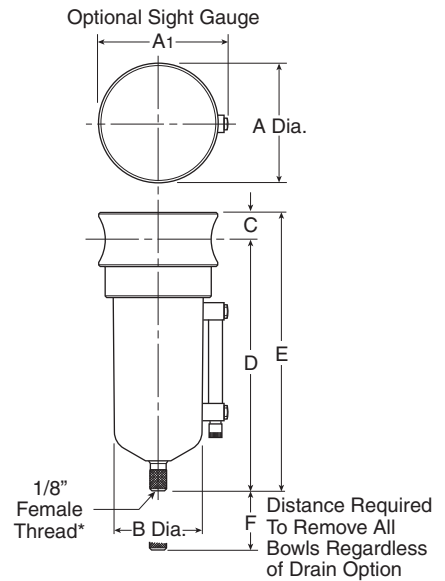
Compressed Air Filters

Air Preparation Units - FF10 Filter - Standard 1/2" NPT Ports



Features

- Stainless steel construction handles most corrosive environments.
- Meets NACE specifications MR-01-75/ISO 15156.
- 1/8" female threaded drain.
- High Flow: 1/2" - 70 SCFM[§]



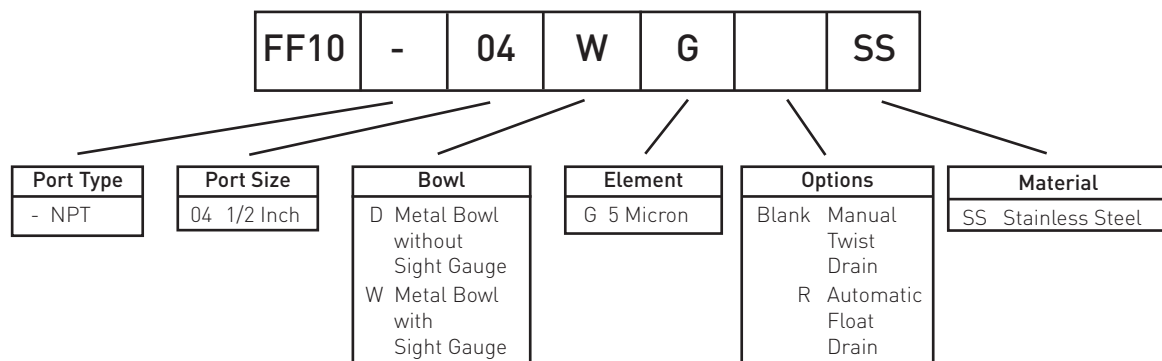
Port Size	NPT without sight gauge		NPT with sight gauge	
	Manual Twist Drain	Automatic Float Drain	Manual Twist Drain	Automatic Float Drain
1/2"	FF10-04DGSS	FF10-04DGRSS	FF10-04WGSS	FF10-04WGRSS

F10 Filter Dimensions		
A 2.38 (60)	A1 2.50 (64)	B 1.75 (44)
C .56 (14)	D 5.00 (127)	E 5.56 (141)
F 2.12 (54)		

[§] SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

inches
(mm)

Ordering Information

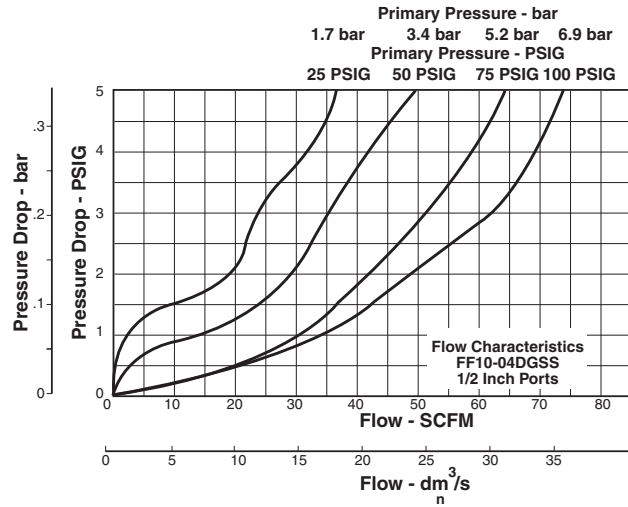


Compressed Air Filters

Air Preparation Units - FF10 Air Line Filters

Technical Information

Compressed Air Filters



FF10 Filter Kits & Accessories

Drain Kit -	
Automatic Float Drain	SA602MDSS
Manual Twist Drain-	
Small (Old)	SA600Y7-1SS
Large (New)	SAP05481
Filter Element Kits -	
Particulate (5 Micron) Element	EK55G
Pipe Nipple - 1/2" 316 Stainless Steel	616A28-SS

Specifications

Bowl Capacity	4.0 Ounces
Filter Rating	5 Micron
Sump Capacity	1.7 Ounce
Port Threads	1/2 Inch
Pressure & Temperature Ratings -	
Manual Twist Drain (D-Bowl)	0 to 300 PSIG (0 to 20.7 bar)
	0°F to 180°F (-18°C to 82°C)
Manual Twist Drain (W-Bowl)	0 to 250 PSIG (0 to 17.2 bar)
	0°F to 150°F (-18°C to 66°C)
Automatic Float Drain	15 to 175 PSIG (1 to 12 bar)
	40°F to 125°F (4°C to 52°C)

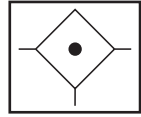
Note: Air must be dry enough to avoid ice formation at temperatures below 32°F (2°C).
Weight..... 1.9 lb. (0.85 kg)

Materials of Construction

Body	316 Stainless Steel
Bowls	316 Stainless Steel
Deflector	Acetal
Drain	316 Stainless Steel
Element Holder	Acetal
Filter Element	Polyethylene
Seals	Fluorocarbon
Sight Gauge	Isoplast

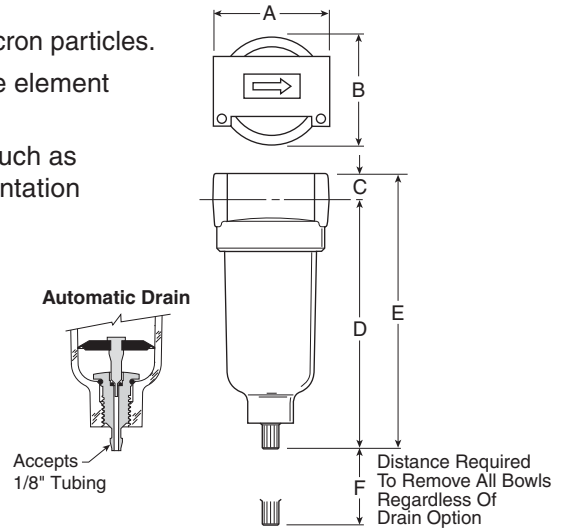
Compressed Air Filters

Air Preparation Units - 10F Coalescing Filters - Miniature 1/8", 1/4" Basic 1/8" Body



Features

- Removes liquid aerosols and sub-micron particles.
- Liquids gravitate to the bottom of the element and will not re-enter the airstream.
- Oil free air for critical applications, such as air gauging and pneumatic instrumentation and controls.
- Interchangeable twist and automatic pulse drains.
- Grade 6 element, 99.97% DOP efficiency.
- High Flow: Grade 6 Element
 - 1/8" – 17 SCFM §
 - 1/4" – 20 SCFM §
- Grade 10 Element
 - 1/8" – 19 SCFM §
 - 1/4" – 24 SCFM §



Port Size	NPT	
	Twist Drain	Automatic Pulse Drain
Poly Bowl †		
1/8"	10F01E*	10F05E*
1/4"	10F11E*	10F15E*
Metal Bowl without Sight Gauge		
1/8"	10F03E*	10F07E*
1/4"	10F13E*	10F17E*

10F Coalescing Filter Dimensions		
A 1.69 (43)	B 1.56 (39,6)	C 0.39 (10)
D 3.82 (97)	D* 3.67 (93)	E 4.21 (107)
E* 4.06 (103)	F 1.60 (41)	

Standard part numbers shown bold, with Grade 6 Elements (for Grade 10 Elements, replace "E" with "H" in the 6th position). For other models refer to ordering information below.

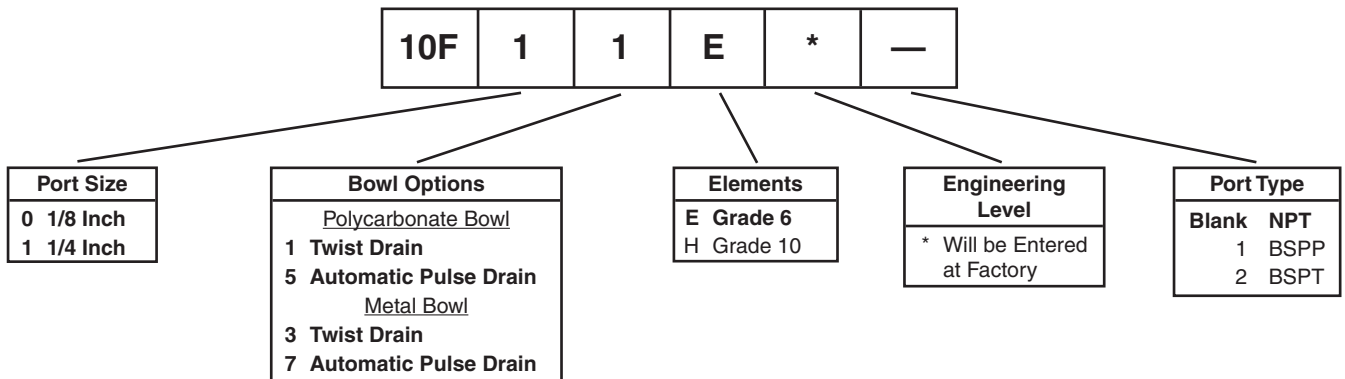
† For polycarbonate bowl see Caution on page 2.

§ SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

Inches (mm)

† With Automatic Pulse Drain.

Ordering Information



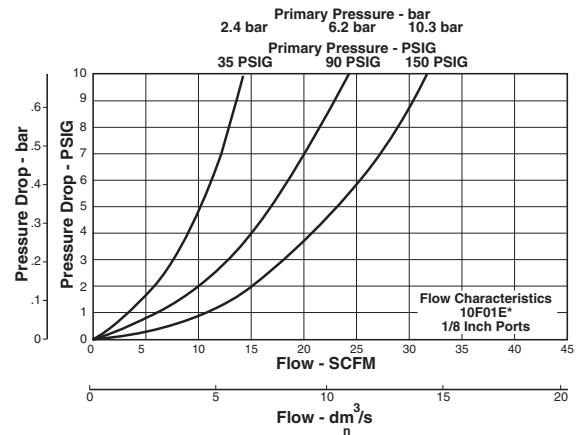
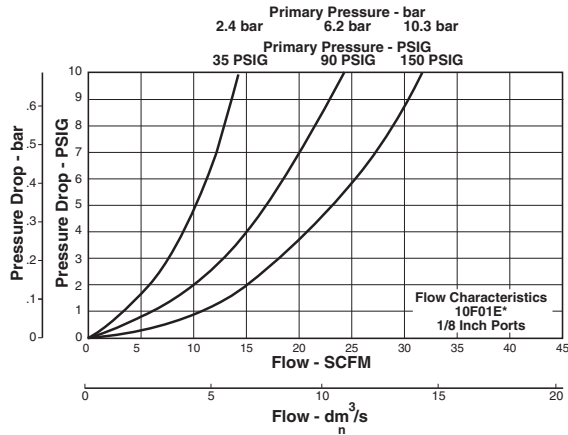
Compressed Air Filters

Air Preparation Units - 10F Coalescing Filters

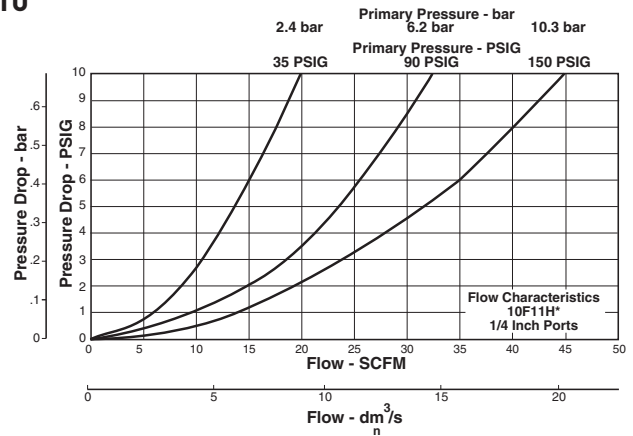
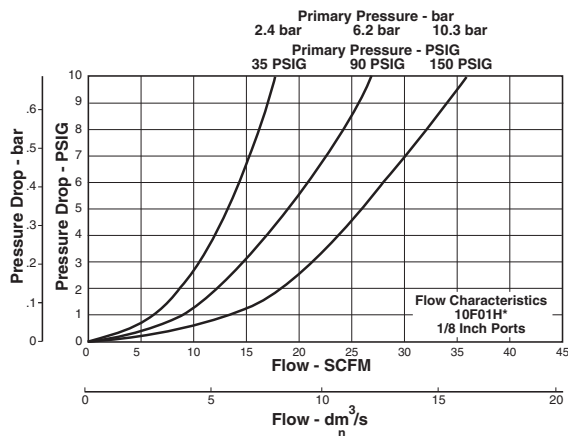
Technical Information

Compressed Air Filters

Grade 6



Grade 10



10F Coalescing Filter Kits & Accessories

Bowl Kits -	
Poly Bowl - Automatic Pulse Drain.....	PS408BP
Twist Drain.....	PS404P
Metal Bowl - Automatic Pulse Drain.....	PS451BP
Twist Drain.....	PS447BP
Filter Element Kits - Grade 6 (Standard).....	PS446P
Grade 10 (Optional).....	PS456P
Mounting Bracket Kit.....	PS417BP

Specifications

Automatic Pulse Drain Tube Barb.....	1/8 Inch
Bowl Capacity.....	1 Ounce
Operation -	
Normal Operating Pressure Drop.....	2 PSIG
Maximum Recommended Pressure Drop.....	10 PSIG (Element should be replaced)
Port Threads.....	1/8, 1/4 Inch
Pressure & Temperature Ratings -	
Polycarbonate Bowl.....	0 to 150 PSIG (0 to 10.3 bar) 32°F to 125°F (0°C to 52°C)
Metal Bowl.....	0 to 250 PSIG (0 to 17.2 bar) 32°F to 175°F (0°C to 80°C)
Automatic Pulse Drain.....	10 to 250 PSIG (0.7 to 17.2 bar) at 125°F (52°C) or less
Weight.....	0.41 lb. (0.18 kg)

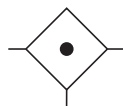
Materials of Construction

Body.....	Zinc
Bowls.....	Transparent Polycarbonate Metal (Zinc) Without Sight Gauge
Drains - Twist Drain -	
Body & Stem.....	Plastic
Seals.....	Nitrile
Automatic Pulse Drain -	
Piston & Seals.....	Nitrile
Stem, Seat, Adaptor & Washers.....	Aluminum
Element Holder.....	Plastic
Filter Element -	
Borosilicate & felt glass fibers.....	99.97% DOP efficiency
Largest Aerosol Particle Passed (Grade 6).....	0.01 Micron
Largest Solid Particle Passed (Grade 6).....	0.30 Micron
Seals.....	Nitrile

Compressed Air Filters

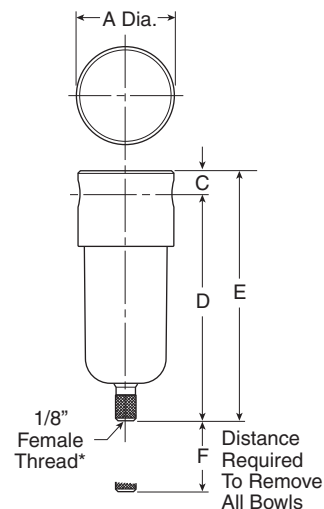
Air Preparation Units

FF501 Coalescing Filter - Miniature 1/4" Ports



Features

- Stainless steel construction handles most corrosive environments.
- Meets NACE specifications MR-01-75/ISO 15156.
- 1/8" female threaded drain*.
- High Flow: 1/4" - 16 SCFM[§]



Port Size	NPT
	Manual Twist Drain
1/4"	FF501-02DHSS

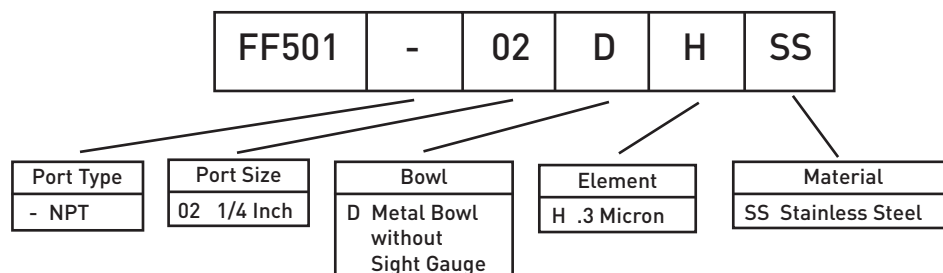
F501 Coalescing Filter Dimensions		
A	C	D
1.56 (40)	0.31 (8)	3.69 (94)
E	F	
4.00 (102)	1.58 (40)	

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

SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

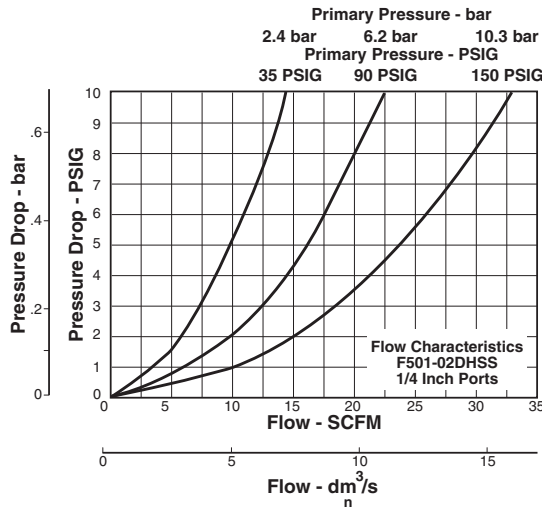
inches
(mm)

Ordering Information



Compressed Air Filters

Air Preparation Units - F501 Series Technical Information



FF501 Filter Kits & Accessories

Filter Element Kits -	
0.3 Micron	EKF31
Manual Twist Drain -	
Small (Old)	SA600Y7-1SS
Large (New)	SAP05481
Pipe Nipple -	
1/4" 316 Stainless Steel	616Y28-SS

Specifications

Bowl Capacity	1.0 Ounces
Filter Rating	0.3 Micron
Port Threads	1/4 Inch
Pressure & Temperature Ratings -	
Manual Twist Drain.....	0 to 300 PSIG (0 to 20.7 bar)

0°F to 180°F (-18°C to 82°C)

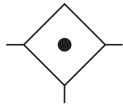
Note: Air must be dry enough to avoid ice formation at temperatures below 32°F (2°C)
 Sump Capacity 0.4 Ounce
 Weight 0.6 lb. (0.27 kg)

Materials of Construction

Body	316 Stainless Steel
Bowls	316 Stainless Steel
Drain	316 Stainless Steel
Element Holder	Acetal
Filter Element	Borosilicate Fiber
Seals	Fluorocarbon

Compressed Air Filters

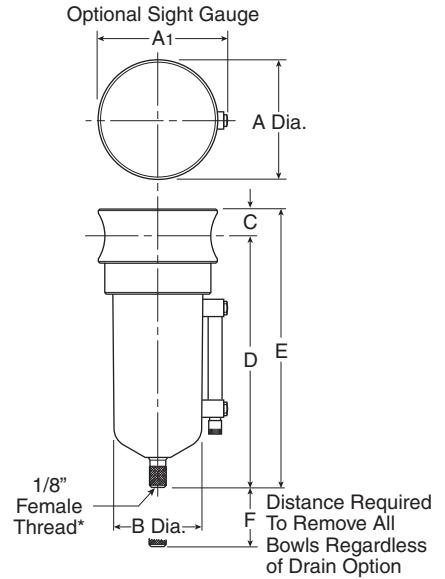
Air Preparation Units - FF11 Coalescing Filter Standard 1/2" Ports



Features

- Stainless steel construction handles most corrosive environments.
- Meets NACE specifications MR-01-75/ISO 15156.
- 1/8" female threaded drain*.
- High Flow: 1/2" - 45 SCFM[§]

* Beginning January 2008



Port Size	NPT without sight gauge		NPT with sight gauge	
	Manual Twist Drain	Automatic Float Drain	Manual Twist Drain	Automatic Float Drain
1/2"	Metal Bowl With Sight Gauge			
	F11-04DJSS	F11-04DJRSS	F11G04WJSS	F11G04WJRSS

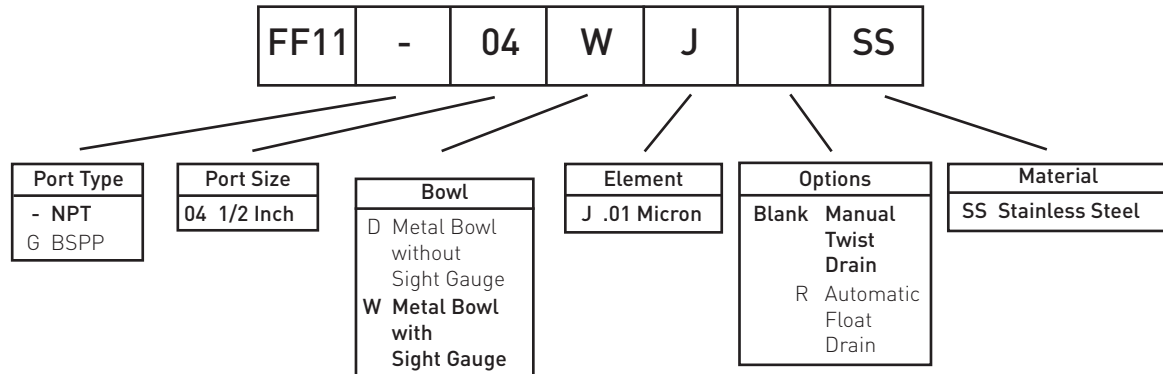
F11 Coalescing Filter Dimensions		
A 2.38 (60)	A1 2.50 (64)	B 1.75 (44)
C 0.56 (14)	D 5.00 (127)	E 5.56 (141)
F 2.12 (54)		

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

[§] SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

inches
(mm)

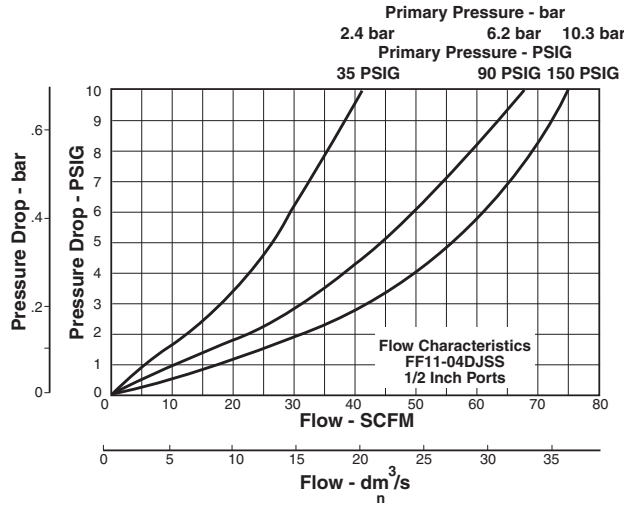
Ordering Information



Compressed Air Filters

Air Preparation Units - FF11 Series Technical Information

Compressed Air Filters



F11 Filter Kits & Accessories

- Drain Kit -**
- Automatic Float Drain SA602MDSS
 - Manual Twist Drain-
 - Small (Old) SA600Y7-1SS
 - Large (New) SAP05481
- Filter Element Kits -**
- 0.3 Micron EKF71
- Pipe Nipple -**
- 1/2" 316 Stainless Steel 616A28-SS

- Element Holder Acetal
- Filter Element Borosilicate Fiber
- Seals Fluorocarbon
- Sight Gauge Isoplast

Specifications

- Bowl Capacity 4.0 Ounces
- Filter Rating 0.01 Micron
- Sump Capacity 1.7 Ounce
- Port Threads 1/2 Inch
- Pressure & Temperature Ratings -**
 - Manual Twist Drain 0 to 300 PSIG (0 to 20.7 bar)
0°F to 180°F (-18°C to 82°C)
 - Manual Twist Drain (W) 0 to 250 PSIG (0 to 17.2 bar)
0°F to 150°F (-18°C to 66°C)
 - Automatic Float Drain 0 to 175 PSIG (0 to 12 bar)
40°F to 125°F (4°C to 52°C)

Note: Air must be dry enough to avoid ice formation at temperatures below 32°F (2°C).
Weight 1.9 lb. (0.85 kg)

Materials of Construction

- Body 316 Stainless Steel
- Bowls 316 Stainless Steel
- Drain 316 Stainless Steel

FF11 Media Specifications

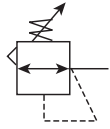
Grade Designation	Coalescing Efficiency 0.3 to 0.6 Micron Particles	Maximum Oil Carryover ¹ PPM w/w	Micron Rating	Pressure Drop (PSID) @ Rated Flow ²		Flow: SCFM @3 PSID Operating Pressure 100 PSIG
				Media Dry	Media Wet With 10-20 wt. oil	
6	99.97%	0.008	0.01	1.0	2-3	??
10	95%	0.85	1.0	0.5	0.5	??

¹Tested per ISO 12500-1 at 40 ppm inlet.

²Add dry + wet for total pressure drop.

Compressed Air Filters

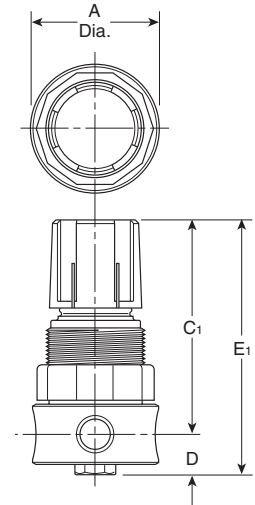
Air Preparation Units - FR364 Regulator - Miniature 1/4" Ports



R364

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[§]



R364

Series	Adjustment Type	Port Size	NPT
FR364	Knob	1/4"	R364-02CSS

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

R364 Regulator Dimensions	
A 1.56 (40)	C₁ 2.56 (65)
D 0.50 (13)	E₁ 3.06 (78)

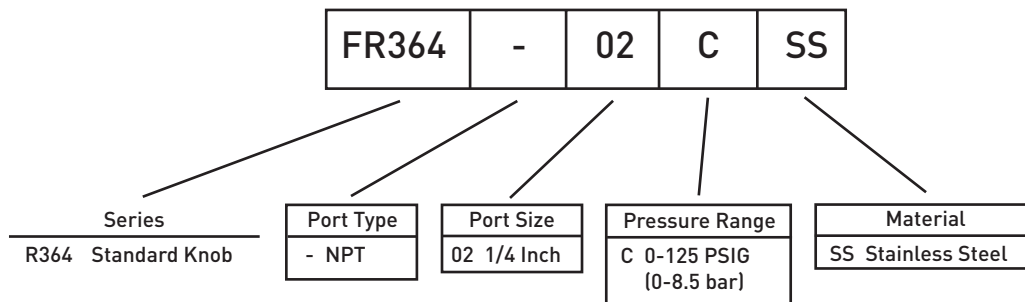
inches (mm)

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.

Ordering Information

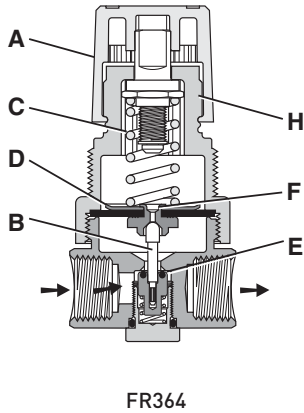


Compressed Air Filters

Air Preparation Units FR364 Air Line Regulators

Technical Information

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.)

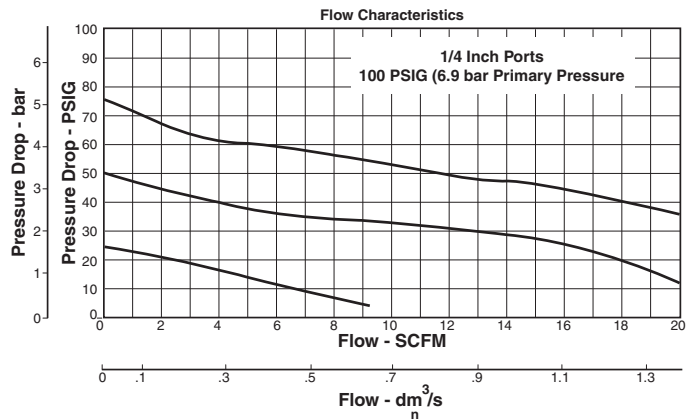
Technical Information

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.



FR364 Regulator Kits & Accessories

R364 Bonnet Kit (Knob Included)	CKR364YSS
Gauge -	
160 PSIG (0 to 1100 kPa)	K4515N14160SS
Panel Mount Bracket (Stainless)	161X57-SS
Panel Mount Nut -	
Stainless	R05X51-SS
Plastic	R05X51-P
Service Kit -	
Relieving	RKR364YSS
Springs -	
0-125 PSIG Range	SPR-377-1-SS

Specifications

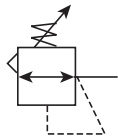
Gauge Port	1/4 Inch
Operation	Fluorocarbon Diaphragm
Port Threads	1/4 Inch
Pressure & Temperature Ratings -	300 PSIG Max (20.7 bar)
	40°F to 150°F [4°C to 66°C]
Weight	0.5 lb. (0.23 kg)

Materials of Construction

Adjustment Mechanism / Springs	316 Stainless Steel
Adjusting Knob (R364)	Polypropylene
Body	316 Stainless Steel
Bonnet (R364)	Acetal
Bottom Plug	316 Stainless Steel
Poppet	316 Stainless Steel
Seals	Fluorocarbon

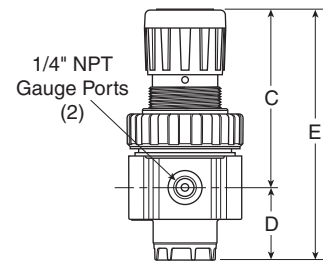
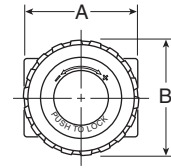
Compressed Air Filters

Air Preparation Units - 05R Regulators - Economy 1/4", 3/8" NPT - Basic 1/4" Body



Features

- 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.
- High Flow: 1/4" - 30 SCFM[§]
3/8" - 40 SCFM[§]



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

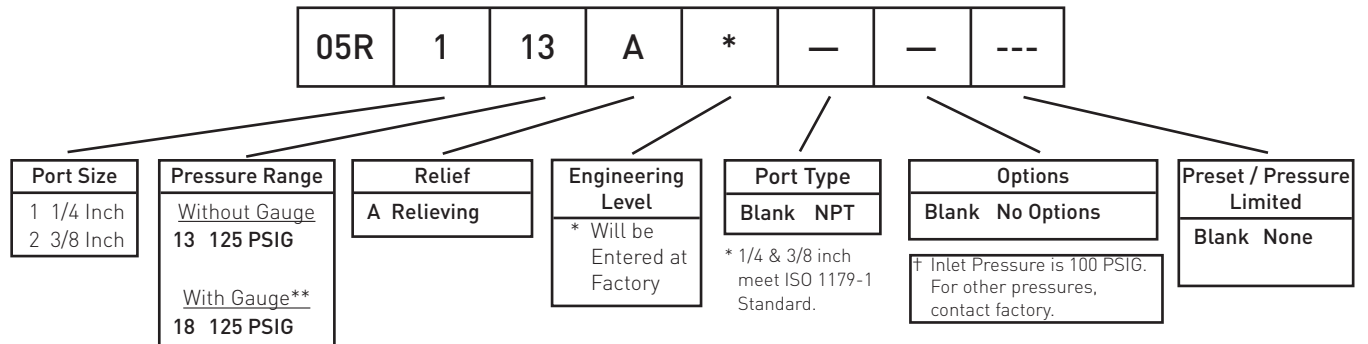
05R Regulator Dimensions		
A	B	C
2.00 (51)	2.06 (52)	3.16 (80)
D	E	
1.28 (32)	4.44 (113)	

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



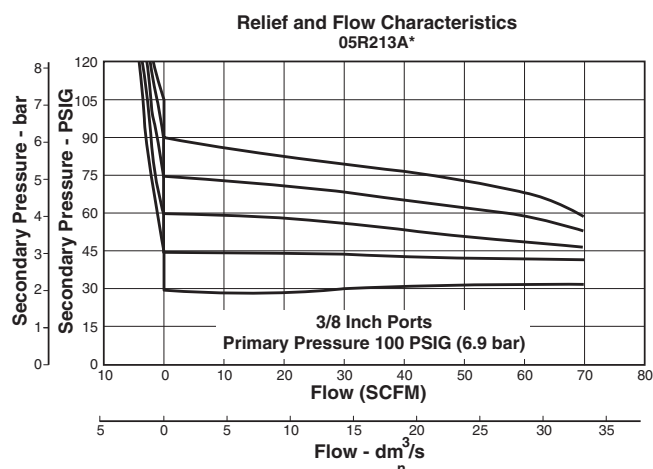
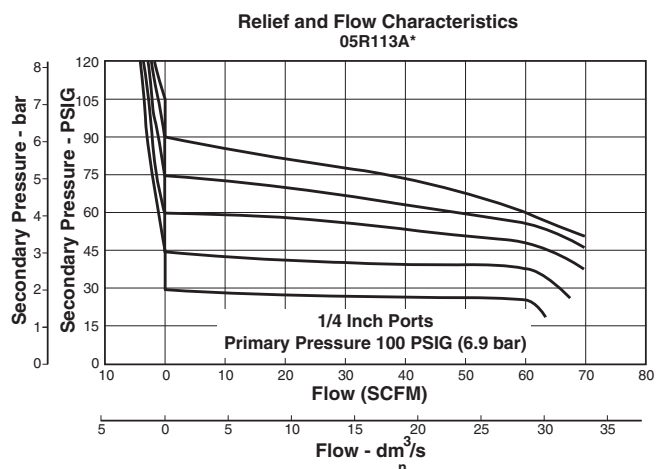
** Includes 1-1/2" Dial Face Gauge

Compressed Air Filters

Air Preparation Units 05R Air Line Regulators

Technical Information

Compressed Air Filters



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.

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 – 1-1/2" Dial Face ????	
30 PSIG (0 to 2.1 bar)	K4515N14030
60 PSIG (0 to 4.1 bar)	K4515N14060
160 PSIG (0 to 11.0 bar)	K4515N14160
300 PSIG (0 to 20.0 bar)	K4515N14300
2" Dial Face	
60 PSIG (0 to 4.1 bar)	K4520N14060
160 PSIG (0 to 11.0 bar)	K4520N14160

Mounting Bracket Kit	PS963P
Panel Mount Nut – Metal	PS964P
Springs – 1-30 PSIG Range	P04427
1-60 PSIG Range	P04426
2-125 PSIG Range	P04425
2-200 PSIG	P02934
Service Kit – Relieving	PS908P

Specifications

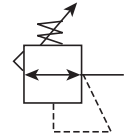
Gauge Ports (2)	1/4 Inch
Port Threads	1/4, 3/8 Inch
Primary Pressure Rating –	
Maximum Primary Pressure	250 PSIG (17.2 bar) Max.
For Secondary Pressure Ranges see above charts.	
Temperature Rating	32°F to 175°F (0°C to 80°C)
Low Temperature	-4°F to 125°F (-20°C to 52°C)
Weight	1.1 lb. (0.49 kg)

Materials of Construction

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

Compressed Air Filters

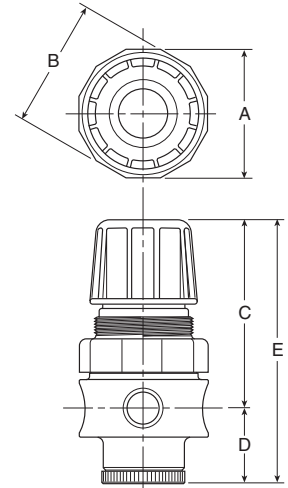
Air Preparation Units - FR10 Regulator - Standard 1/2" Ports



R10

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[§]



R10

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.

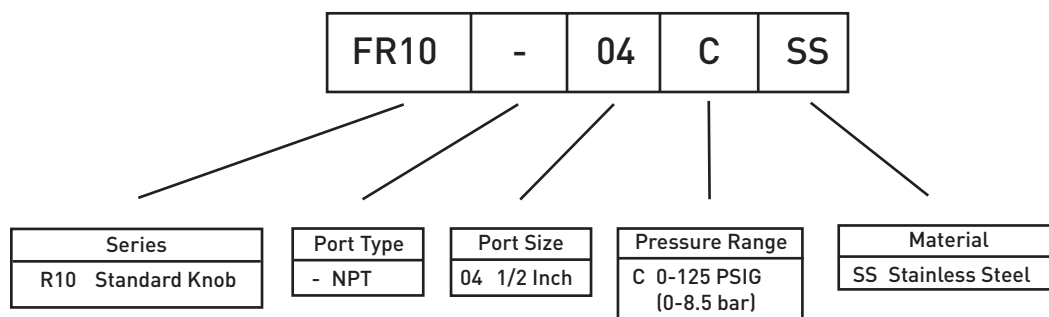
R10, R11 Regulator Dimensions		
A	B	C
2.34 (60)	2.43 (62)	3.59 (91)
D	E	
1.38 (35)	4.97 (126)	

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.

Ordering Information

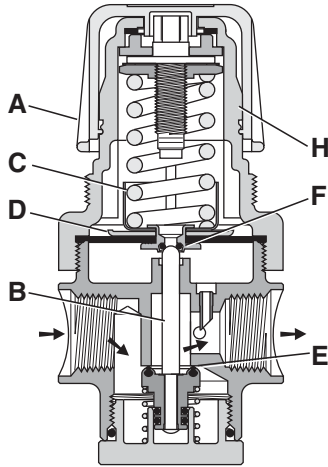


Compressed Air Filters

Air Preparation Units FR10 Air Line Regulators

Technical Information

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).

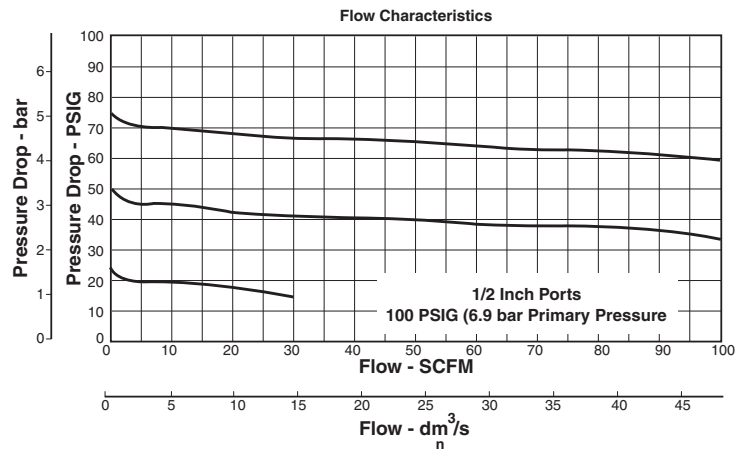
Technical Information

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.



FR10 Regulator Kits & Accessories

R10 Bonnet Kit (Knob Included)	CKR10YSS
Gauge -	
160 PSIG (0 to 1100 kPa), 2" Face	K4520N14160SS
Panel Mount Bracket (Stainless)	161X57-SS
Panel Mount Nut -	
Stainless	R10X51-SS
Plastic	R10X51-P
Service Kit -	
Relieving	RKR10YSS
Springs -	
0-125 PSIG Range	SPR-389-1-SS

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).

Weight

Materials of Construction

Adjustment Mechanism / Springs	316 Stainless Steel
Body	316 Stainless Steel
Bonnet / Knob (R10)	Acetal
Bottom Plug	316 Stainless Steel
Poppet	316 Stainless Steel
Seals	Fluorocarbon

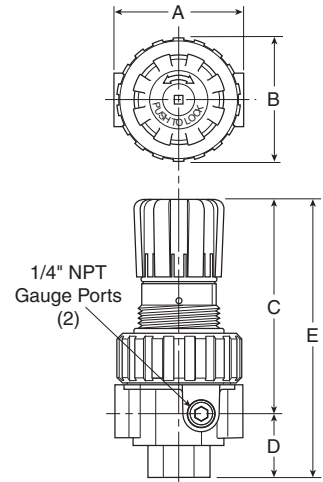
Compressed Air Filters

Air Preparation Units - 07R Regulators - Standard 3/8", 1/2", 3/4" NPT - Basic 1/2" Body



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: 3/8" - 70 SCFM[§]
1/2" - 90 SCFM[§]
3/4" - 90 SCFM[§]



Port Size	NPT
Without Gauge	
3/8"	07R213A*
1/2"	07R313A*
3/4"	07R413A*

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

Inches (mm)

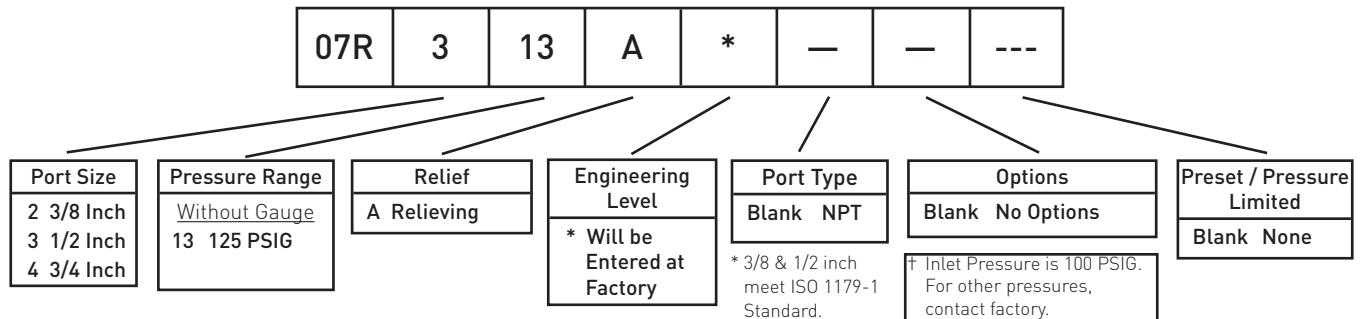
NOTE: 2.00 Dia. (51mm) hole required for panel mounting.

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

⚠ WARNING

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

Ordering Information



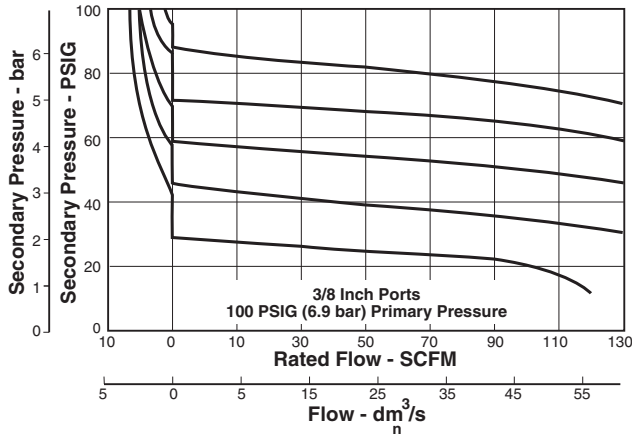
Compressed Air Filters

Air Preparation Units 07R Air Line Regulators

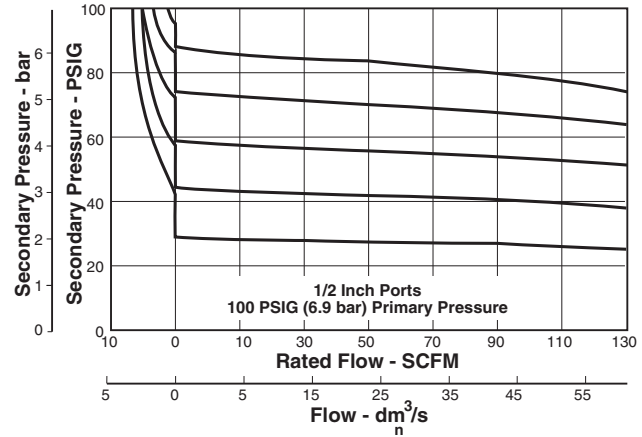
Technical Information

Compressed Air Filters

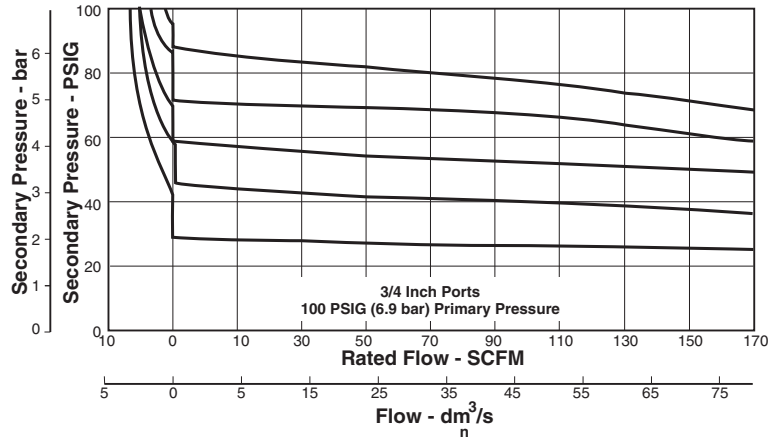
Relief And Flow Characteristics
07R213A*



Relief And Flow Characteristics
07R313A*



Relief And Flow Characteristics
07R413A*



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.

07R Regulator Kits & Accessories

Bonnet Assembly Kit	PS715P
Control Knob	P04069B
Gauges - 60 PSIG (0 to 4.1 bar)	K4520N14060
160 PSIG (0 to 11.0 bar)	K4520N14160
Mounting Bracket Kit (Includes Panel Mount Nut)	PS807P
Panel Mount Nut - Plastic	P04082
Metal	P04079B
Service Kit - Relieving (Includes Poppet)	PS808P
Springs - 2-125 PSIG Range	P04063
Tamperproof Kit	PS737P

Specifications

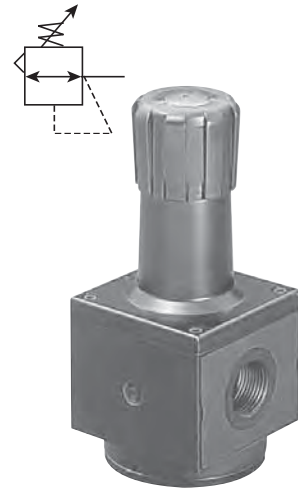
Gauge Ports (2)	1/4 Inch
(Can be used as additional High Flow 1/4 Inch Outlet Ports)	
Port Threads	3/8, 1/2, 3/4 Inch
Primary Pressure Rating -	
Maximum Primary Pressure	250 PSIG (17.2 bar)
Secondary Pressure Range -	
Standard Pressure	2 to 125 PSIG (0 to 8.6 bar)
Temperature Rating	32°F to 175°F (0°C to 80°C)
Weight 2.5 lb. (1.1 kg)	

Materials of Construction

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

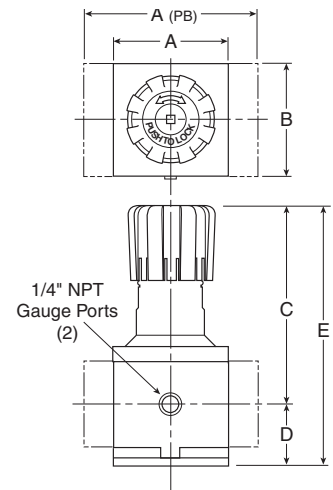
Compressed Air Filters

Air Preparation Units - P3NR Regulators - High Flow 3/4", 1", 1 1/2" NPT - Basic 1" Body



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[§]
1 1/2" – 300 SCFM[§]



Port Size	NPT
Without Gauge	
3/4"	P3NRA96BNN
1"	P3NRA98BNN
1 1/2"	P3NRA9PBNN

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

Inches (mm)

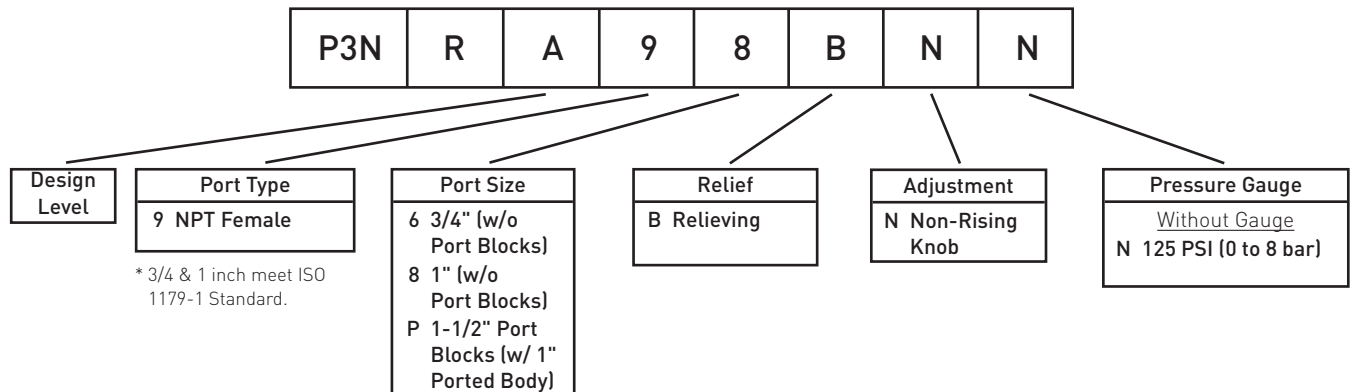
NOTE: 2.00 Dia. (51mm) hole required for panel mounting.

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

⚠ WARNING

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

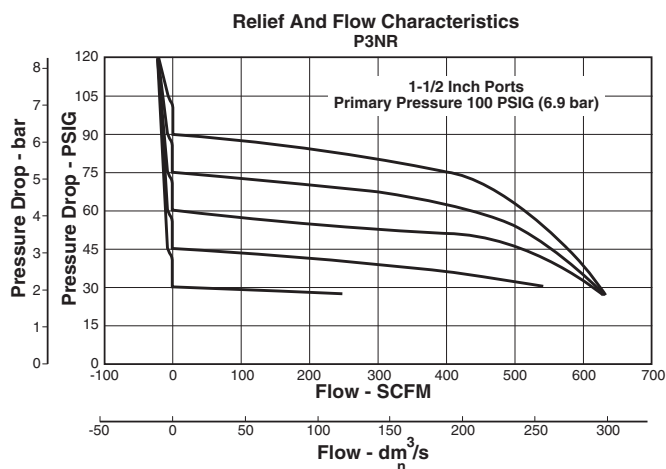
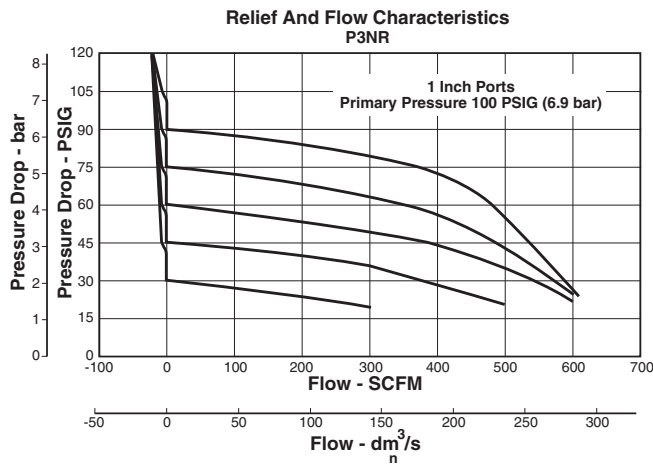
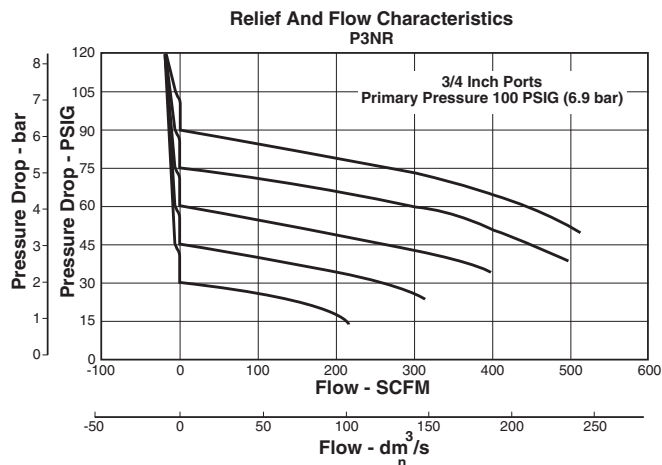
Ordering Information



Compressed Air Filters

Air Preparation Units - P3NR Air Line Regulators

Technical Information



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 Knob P3NKA00PN
- Gauges – 60 PSIG (0 to 4.1 bar) K4520N14060
- 160 PSIG (0 to 11.0 bar) K4520N14160
- Mounting Bracket Kit* P3NKA00MW
- Service Kit – Relieving P3NKA00RR
- Springs – 2-125 PSIG Range C10A1308

Specifications

- Gauge Ports (2) 1/4 Inch
(Can be used as additional High Flow 1/4 Inch Outlet Ports)
- Port Threads 3/4, 1, 1-1/2 Inch
- Primary Pressure Rating –
Maximum Primary Pressure 250 PSIG (17.2 bar)
- Secondary Pressure Range –
Standard Pressure 2 to 125 PSIG (0 to 8.6 bar)
- 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 1/2" † 5.3 lb. (2.4 kg)

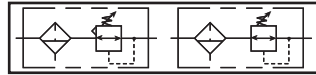
Materials of Construction

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

† 1" Port Body with 1 1/2" Port Block.

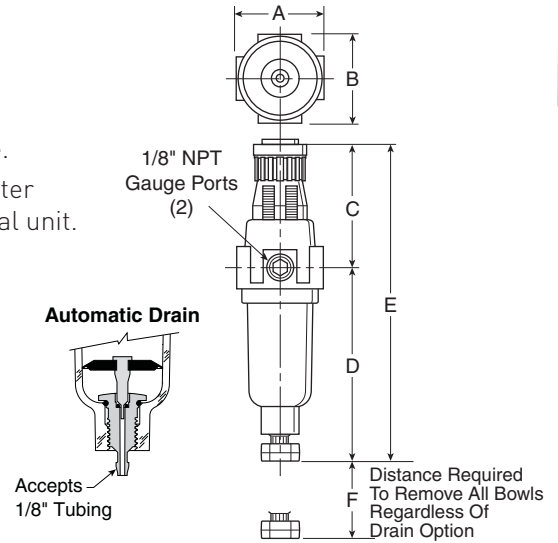
Compressed Air Filters

Air Preparation Units - 14E Filter/Regulator - Miniature 1/8", 1/4" NPT - Basic 1/8" Body



Features

- Excellent water removal efficiency.
- Unbalanced poppet standard.
- Solid control piston for extended life.
- Space saving package offers both filter and regulator features in one integral unit.
- Non-rising adjustment knob.
- Two full flow 1/8" gauge ports.
- High Flow: 1/8" - 16 SCFM[§]
1/4" - 18 SCFM[§]



Port Size	NPT	
	Twist Drain	Automatic Pulse Drain
Poly Bowl [‡]		
1/8"	14E01B13F*	14E05B13F*
1/4"	14E11B13F*	14E15B13F*
Metal Bowl		
1/8"	14E03B13F*	14E07B13F*
1/4"	14E13B13F*	14E17B13F*

A	B	C
1.62 (41)	1.58 (40)	2.42 (61)
D	D [†]	E
3.79 (96)	3.64 (92)	6.21 (158)
E [†]	F	
6.06 (154)	1.60 (41)	

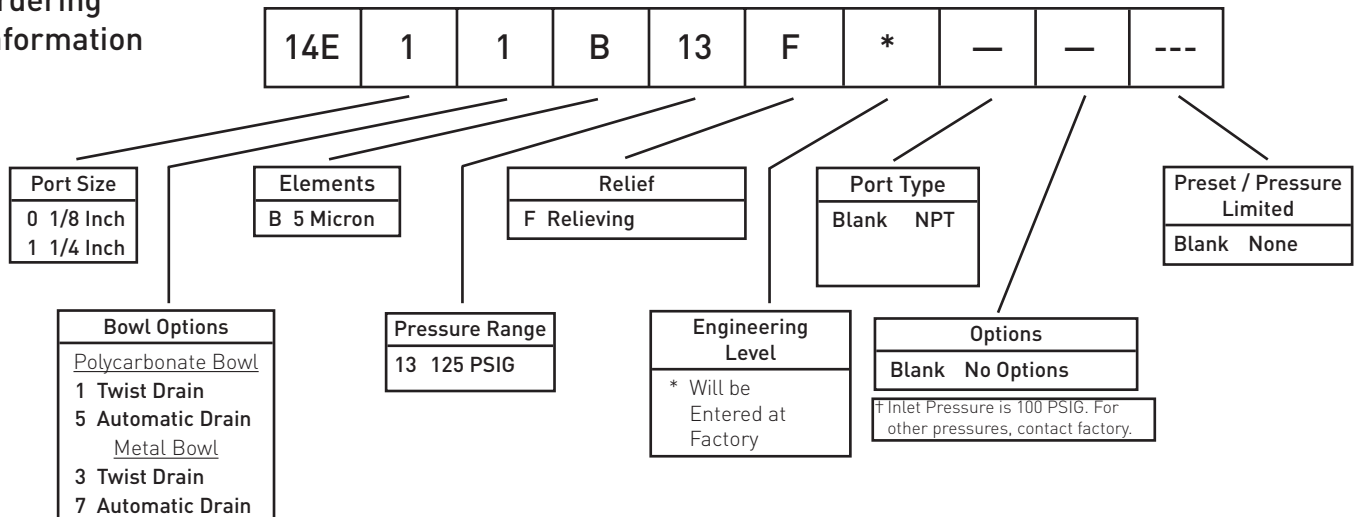
[‡] For polycarbonate bowl see Caution on page A2.

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

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

Inches (mm)
† With Auto Drain

Ordering Information

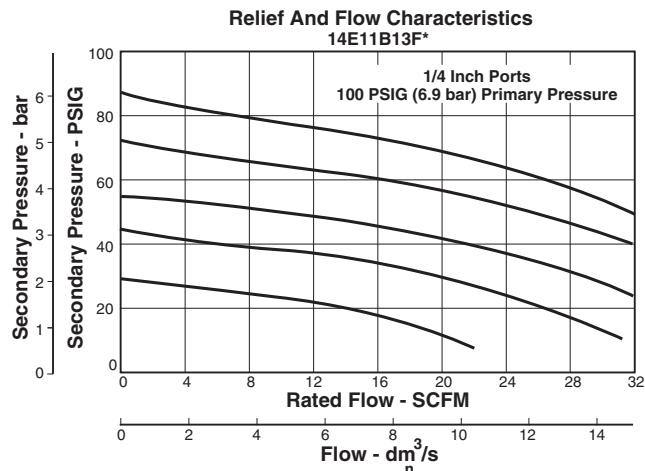
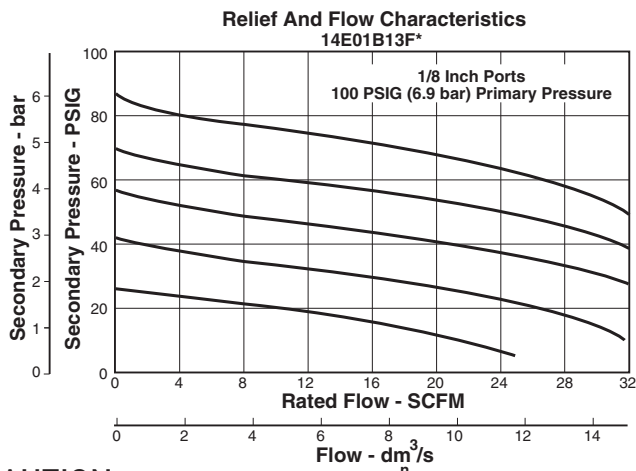


Compressed Air Filters

Air Preparation Units - Prep Air II, 14E Filter/Regulators

Technical Information

Compressed Air Filters



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.

14E Filter / Regulator Kits & Accessories

Bowl Kits –

Poly Bowl – Automatic Drain	PS408BP
Twist Drain.....	PS404P
Metal Bowl – Automatic Drain	PS451BP
Twist Drain.....	PS447BP

Filter Element Kits – 5 Micron..... PS403P

Gauges –????

30 PSIG [0 to 2.1 bar].....	K4515N18030
60 PSIG [0 to 4.1 bar].....	K4515N18060
160 PSIG [0 to 11.0 bar].....	K4515N18160

Mounting Bracket Kit (Includes Panel Mount Nut)PS417BP

Panel Mount NutP78652

Poppet Kit – Unbalanced.....PS424BP

Service Kit – Relieving PS423P

Springs – 2- 125 PSIG Range (Gold)..... P01173

Specifications

Automatic Pulse Drain Tube Barb 1/8 Inch

Bowl Capacity 1 Ounce

Gauge Ports (2) (Can be used for Full Flow) 1/8 Inch

Port Threads 1/8, 1/4 Inch

Pressure & Temperature Ratings –

- Polycarbonate Bowl
 - 0 to 150 PSIG (0 to 10.3 bar), 32°F to 125°F (0°C to 52°C)
- Metal Bowl
 - 0 to 250 PSIG (0 to 17.2 bar), 32°F to 175°F (0°C to 80°C)

WARNING

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

Secondary Pressure Ranges –

Standard Pressure 2 to 125 PSIG (0 to 8.6 bar)

Weight 0.4 lb. (0.18 kg)

Materials of Construction

Adjusting Nut Brass

Adjusting Stem & Spring Steel

Body Zinc

Bonnet, Knob, Seat, Piston, Holder & Deflector Plastic

Bowls Available – Transparent Polycarbonate
Metal (Without Sight Gauge) Zinc

Drains – Manual – Twist Type

Body & Stem Plastic
Seals..... Nitrile

Automatic – Pulse Type

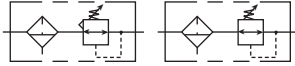
Piston & Seals Nitrile
Stem, Seat, Adaptor & Washers Aluminum

Filter Elements – 5 Micron (Standard)..... Plastic

Seals Nitrile

Compressed Air Filters

Air Preparation Units - FB548 Filter/Regulator - Miniature 1/4" Ports

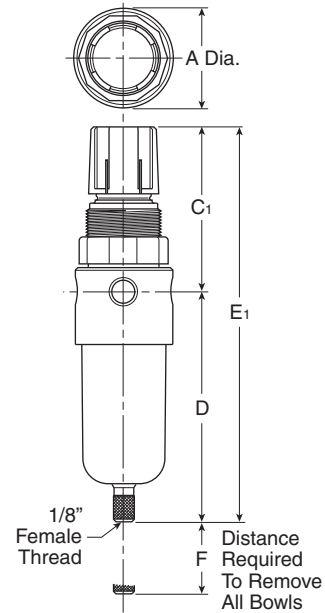


B548

Features

- Stainless Steel Construction Handles Most Corrosive Environments
- Large Diaphragm To Valve Area Ratio For Precise Regulation And High Flow Capacity
- 1/8" Female Threaded Drain*
- Meets NACE Specifications MR-01-75/ISO 15156.
- High Flow: 1/4" - 12 SCFM[§]

* Beginning January 2008



Port Size	NPT
1/4"	FB548-02DGCSS

FB548 Piggyback Dimensions		
A	C ₁	D
1.56 (40)	2.17 (55)	3.63 (92)
E ₁	F	
3.06 (78)	1.58 (40)	

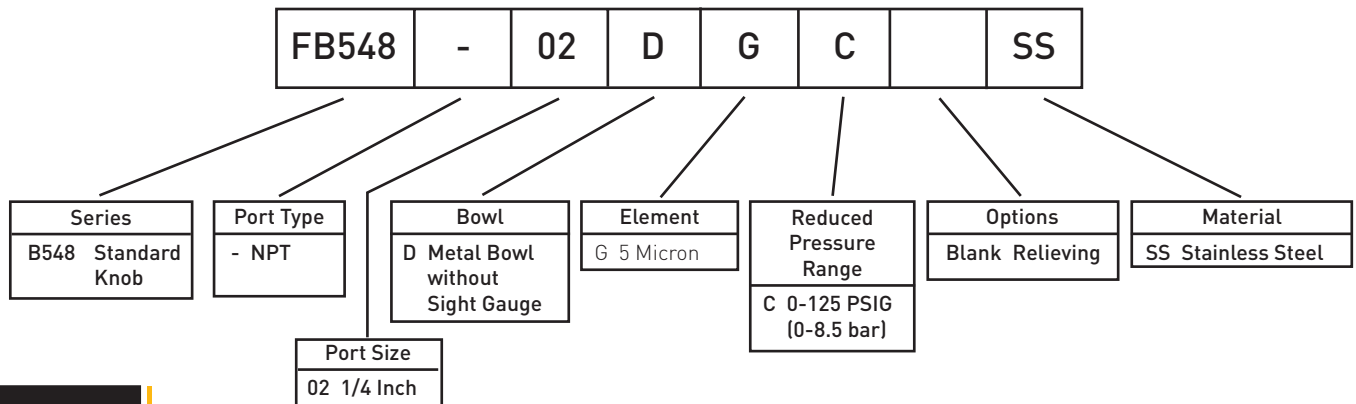
[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 75 PSIG no flow secondary setting and 15 PSIG pressure drop.

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.

Ordering Information

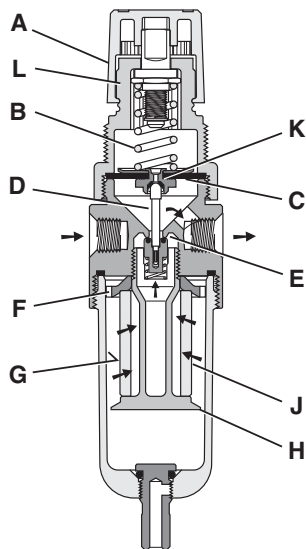


Compressed Air Filters

Air Preparation Units - FB548 Filter/Regulators

Technical Information

Operation



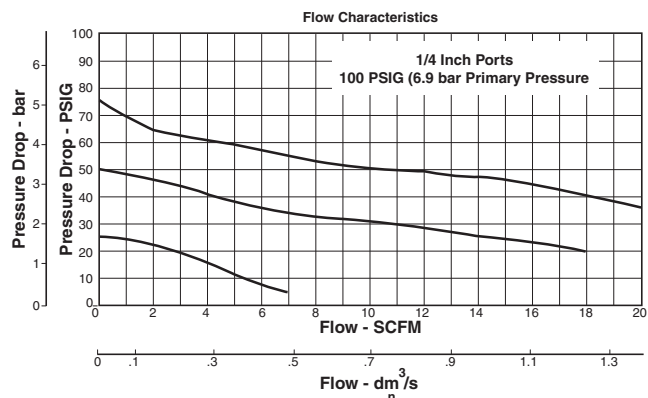
Turning the adjusting knob clockwise applies a load to control spring (B) which forces diaphragm (C) and valve poppet assembly (D) to move downward allowing filtered air to flow through the seat area (E) created between the poppet assembly and the seat. "First stage filtration". Air pressure supplied to the inlet port is directed through deflector plate (F) causing a swirling centrifugal action forcing liquids and coarse particles to the inner bowl wall (G) and down below the lower baffle (H) to the quiet zone. After liquids and large particles are removed in the first stage of filtration "second stage filtration" occurs as air flows through element (J) where smaller particles are filtered out and retained. The air flow now passes through seat area (E) to the outlet port of the unit. Pressure in the downstream line is sensed below the diaphragm (C) and offsets the load of spring (B). When downstream pressure reaches the set-point, poppet valve assembly (D) and diaphragm (C) move upward closing seat area (E). Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the diaphragm (C) to move upward opening vent hole (K) venting the excess pressure to atmosphere through the hole in the bonnet (L). (This occurs in the standard relieving type filter/regulators only.)

Technical Information

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.



FB548, Regulator Kits & Accessories

FB548 Bonnet Kit (Knob Included)	CKR364YSS
Filter Element Kits -	
Particulate (5 Micron).....	EK504VY
Gauge -	
160 PSIG (0 to 1100 kPa), 2" Face.....	K4515N14160SS
Manual Twist Drain	SA600Y7-1SS
Panel Mount Bracket (Stainless).....	161X57-SS
Panel Mount Nut -	
Stainless	R05X51-SS
Plastic.....	R05X51-P
Service Kit -	
Relieving.....	RK549YSS
Springs -	
0-125 PSIG Range	SPR-377-1-SS

Specifications

Bowl Capacity	1.0 Ounces
Filter Rating	5 Micron
Gauge Port	1/4 Inch
Operation	Fluorocarbon Diaphragm
Port Threads	1/4 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).

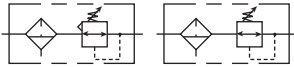
Sump Capacity	0.4 Ounce
Weight	0.6 lb. (0.27 kg)

Materials of Construction

Adjustment Mechanism / Springs	316 Stainless Steel
Body	316 Stainless Steel
Bonnet (B548)	Acetal
Bottom Plug	316 Stainless Steel
Knob (B548)	Polypropylene
Poppet	316 Stainless Steel
Seals	Fluorocarbon

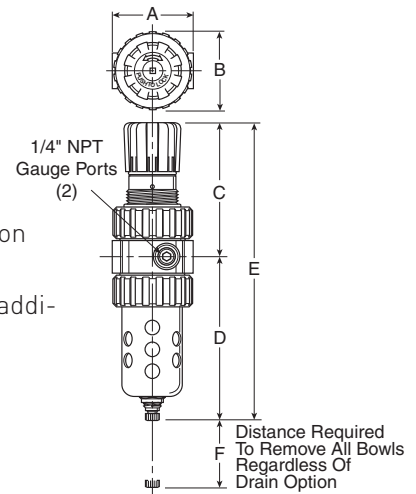
Compressed Air Filters

Air Preparation Units - 06E Filter/Regulator - Compact 1/4", 3/8", 1/2" NPT - Basic 3/8" Body



Features

- Space saving package offers both filter and regulator features for optimal performance.
- Excellent water removal efficiency.
- Rolling diaphragm for extended life.
- Quick response, and accurate pressure regulation regardless of changing flow or inlet pressure.
- Two high flow 1/4" gauge ports can be used as additional outlets.
- Shown with recommended metal bowl guard.
- High Flow: 1/4" - 46 SCFM[§]
3/8" - 55 SCFM[§]
1/2" - 61 SCFM[§]



Port Size	NPT	
	Twist Drain	Automatic Float Drain
Poly Bowl [‡] / Metal Guard		
1/4"	06E12B13A*	06E16B13A*
3/8"	06E22B13A*	06E26B13A*
1/2"	06E32B13A*	06E36B13A*
Metal Bowl / Sight Gauge		
1/4"	06E14B13A*	06E18B13A*
3/8"	06E24B13A*	06E28B13A*
1/2"	06E34B13A*	06E38B13A*

A	B	C	D
2.81 (71)	2.74 (70)	4.69 (119)	5.69 (145)
D [†]	E	E [†]	F
5.74 (146)	10.38 (264)	10.43 (265)	2.25 (57)

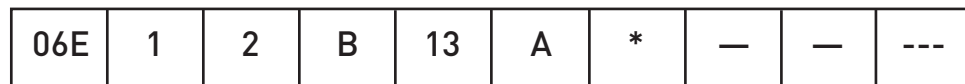
Inches (mm)
[†] With Twist Drain or Auto Pulse Drain

[‡] For polycarbonate bowl see Caution on page 2.
[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 10 PSIG pressure drop.
 NOTE: 2.00 Dia. (50.8 mm) hole required for panel mounting. Max. panel thickness 1/4".

⚠ WARNING

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

Ordering Information



Port Size

1 1/4 Inch
 2 3/8 Inch
 3 1/2 Inch

Elements

B 5 Micron

Relief

A Relieving

Port Type

Blank NPT

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

Preset

Blank None

Bowl Options	
<u>Polycarbonate Bowl</u>	<u>Metal Bowl</u>
2 Metal Bowl Guard / Twist Drain	4 Sight Gauge / Twist Drain
6 Metal Bowl Guard / Auto Float Drain	8 Sight Gauge / Auto Float Drain

Pressure Range

13 125 PSIG

Engineering Level

* Will be Entered at Factory

Options

Blank No Options

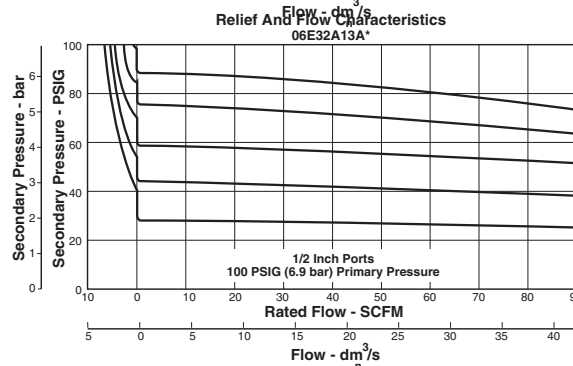
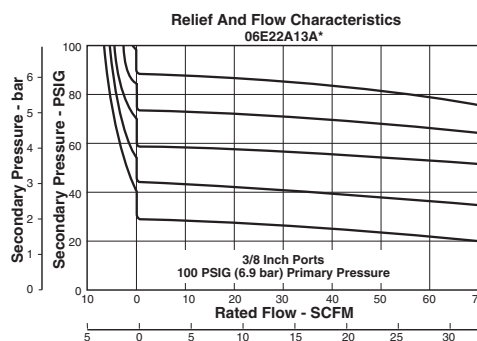
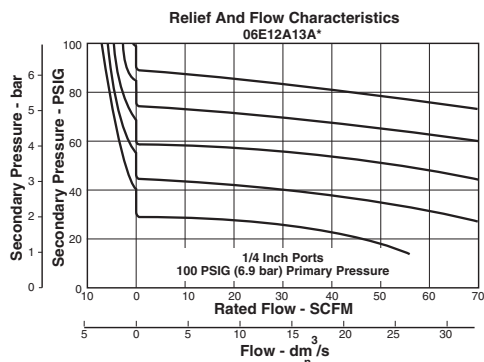
† Inlet Pressure is 100 PSIG. For other pressures, contact factory.

Compressed Air Filters

Air Preparation Units - 06E Filter/Regulators

Technical Information

Compressed Air Filters



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.

06E Filter / Regulator Kits & Accessories

Bonnet Assembly Kit.....	PS715P
Bowl Guard Kit	PS705P
Bowl Kits –	
Poly Bowl – Automatic Float Drain	PS722P
Twist Drain.....	PS732P
Metal Bowl – Sight Gauge / Automatic Drain	PS723P
Sight Gauge / Twist Drain.....	PS735P
Control Knob.....	P04069B
Drain Kit – Automatic Float Drain	PS506P
Twist Drain.....	PS512P
Filter Element Kits – 5 Micron.....	PS702P
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	P04082
Service Kits – Non-Relieving (Includes Poppet)	PS711P
Relieving (Includes Poppet).....	PS710P
Seat Insert Kit	PS713P
Spring – 2- 125 PSIG Range.....	P04063
Tamperproof Kit (Key Lock)	PS737P

Specifications

Bowl Capacity.....	4.4 Ounces
Gauge Ports (2)	1/4 Inch
[Can be used as Additional Full Flow 1/4" Outlet Ports]	
Port Threads	1/4, 3/8, 1/2 Inch

Pressure & Temperature Ratings –

Polycarbonate Bowl – 0 to 150 PSIG (0 to 10.4 bar)
32°F to 125°F (0°C to 52°C)

Metal Bowl – 0 to 250 PSIG (0 to 17.2 bar)
32°F to 175°F (0°C to 80°C)

Automatic Float Drain – 15 to 250 PSIG (1.0 to 17.2 bar)

Secondary Pressure Range –

Standard Pressure..... 2 to 125 PSIG (0 to 8.6 bar)

Sump Capacity..... 1.75 Ounces

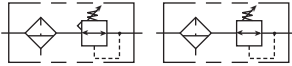
Weight..... 1.6 lb. (0.7 kg)

Materials of Construction

Adjusting Stem	Steel
Body	Zinc
Bonnet, Internal Parts	Plastic
Bowls Available – Transparent	Polycarbonate
Metal (With or Without Sight Gauge)	Zinc
Bowl Guard	Steel
Collar	Plastic
Diaphragm.....	Nitrile
Drains – Manual Twist Drain Standard	
Body & Nut	Plastic
Automatic Float Drain Optional	
(Interchangeable for Field Conversions)	
Operating Range.....	10 to 250 PSIG (.7 to 17.2 bar)
Housing, Float	Plastic
Seals	Nitrile
Springs, Push Rod.....	Stainless Steel
Knob	Plastic
Filter Elements – 5 Micron (Optional)	Plastic
Seals	Nitrile
Sight Gauge	Polyamide
Springs – Poppet	Stainless
Control.....	Steel

Compressed Air Filters

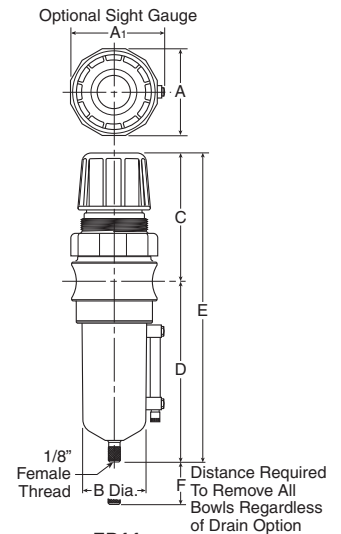
Air Preparation Units - FB11 Filter/Regulator - Standard 1/2" Ports



B11

Features

- Stainless steel construction handles most corrosive environments.
- Large diaphragm to valve area ratio for precise regulation and high flow capacity.
- 1/8" female threaded drain.
- Meets NACE specifications MR-01-75/ISO-15156.
- Low temperature version available.
- High Flow: 1/2" - 72 SCFM[§]



FB11

Port Size	Adjustment Type	NPT		BSPB	
		Manual Twist Drain	Automatic Float Drain	Manual Twist Drain	Automatic Float Drain
1/2"	Metal Bowl with Sight Gauge				
	Knob	FB11-04WGCSS	FB11-04WGRSS	FB11G04WGCSS	FB11G04WGRSS

FB11 Piggyback Dimensions		
A 2.34 (60)	A1 2.50 (64)	B 1.75 (44)
C 3.59 (91)	D 5.00 (127)	E 8.59 (218)
F 2.12 (54)		

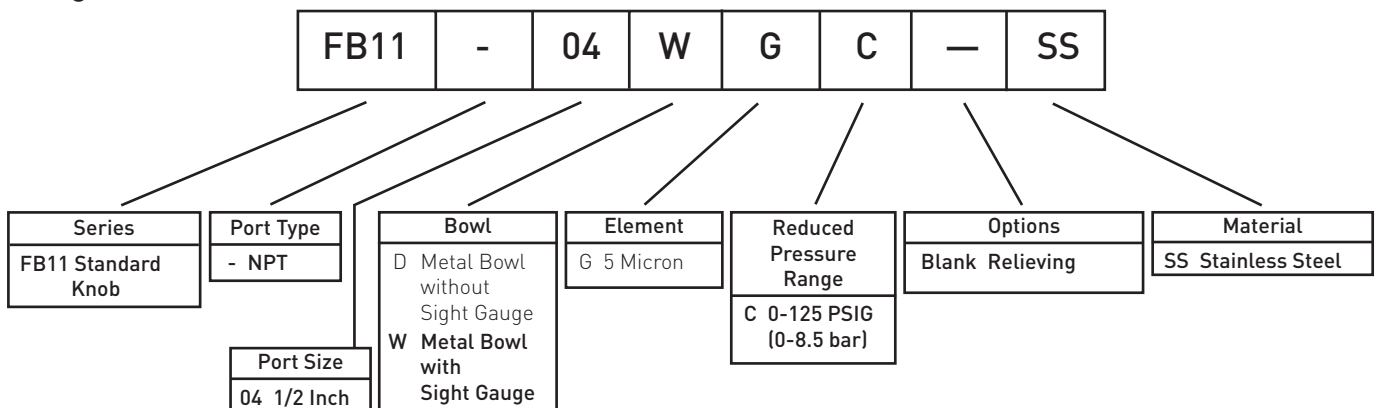
Standard part numbers shown bold. For other models refer to ordering information below.

[§] SCFM = Standard cubic feet per minute at 100 PSIG inlet, 90 PSIG no flow secondary setting and 15 PSIG pressure drop.

	WARNING
<p>Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed maximum primary pressure rating.</p>	

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

Ordering Information

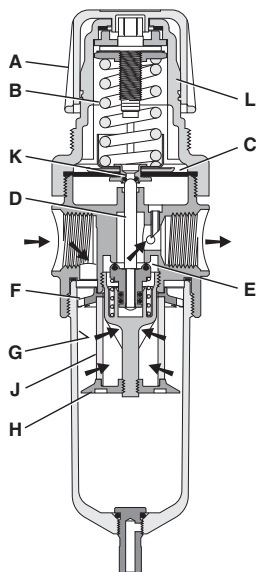


Compressed Air Filters

Air Preparation Units - FB11 Filter/Regulators

Technical Information

Operation



Turning the adjusting knob clockwise applies a load to control spring (B) which forces diaphragm (C) and valve poppet assembly (D) to move downward allowing filtered air to flow through the seat area (E) created between the poppet assembly and the seat. "First stage filtration".

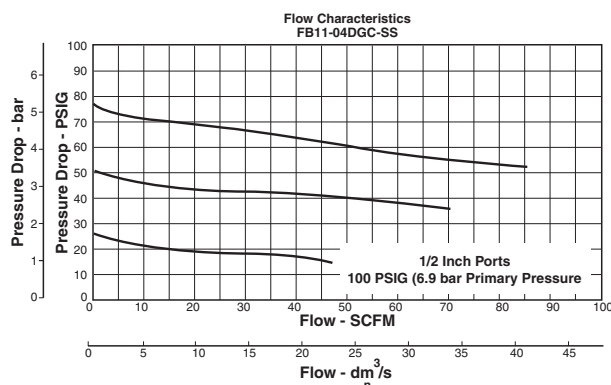
Air pressure supplied to the inlet port is directed through deflector plate (F) causing a swirling centrifugal action forcing liquids and coarse particles to the inner bowl wall (G) and down below the lower baffle (H) to the quiet zone. After liquids and large particles are removed in the first stage of filtration "second stage filtration" occurs as air flows through element (J) where smaller particles are filtered out and retained. The air flow now passes through seat area (E) to the outlet port of the unit. Pressure in the downstream line is sensed below the diaphragm (C) and offsets the load of spring (B). When downstream pressure reaches the set-point, poppet valve assembly (D) and diaphragm (C) move upward closing seat area (E). Should downstream pressure exceed the desired regulated pressure, the excess pressure will cause the diaphragm (C) to move upward opening vent hole (K) venting the excess pressure to atmosphere through the hole in the bonnet (L). (This occurs in the standard relieving type filter/regulators only.)

Technical Information

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.



FB11 Regulator Kits & Accessories

FB11 Bonnet Kit (Knob Included)	CKR10YSS
Drain Kit –	
Automatic Float Drain	SA602MDSS
Manual Twist Drain	SA600Y7-1SS
Filter Element Kit –	
Particulate (5 Micron).....	EKF10VY
Gauge –	
160 PSIG (0 to 1100 kPa), 2" Face.....	K4520N14160SS
Panel Mount Bracket (Stainless).....	R10Y57-SS
Panel Mount Nut –	
Stainless	R10X51-SS
Plastic	R10X51-P
Service Kit –	
Relieving	RKR10YSS
Spring –	
0-125 PSIG Range	SPR-389-1-SS

Materials of Construction

Adjustment Mechanism / Springs	316 Stainless Steel
Body	316 Stainless Steel
Bonnet / Knob (B11)	Acetal
Bottom Plug	316 Stainless Steel
Poppet	316 Stainless Steel
Seals	Fluorocarbon
Sight Gauge	Isoplast

Specifications

Bowl Capacity	4.0 Ounces
Filter Rating	5 Micron
Gauge Port	1/4 Inch
Operation	Fluorocarbon Diaphragm
Port Threads	1/2 Inch
Pressure & Temperature Ratings –	
Metal Bowl (D)	300 PSIG Max (20.7 bar)
.....	0°F to 150°F (-18°C to 66°C)
Metal Bowl (W)	0 to 250 PSIG (0 to 17.2 bar)
.....	0°F to 150°F (-18°C to 66°C)
Automatic Float Drain	15 to 175 PSIG (1 to 12 bar)
.....	40°F to 125°F (4°C to 52°C)
Note: Air must be dry enough to avoid ice formation at temperatures below 32°F (2°C).	
Sump Capacity	1.7 Ounce
Weight	2.42 lb. (1.09 kg)