



FILTERS



REGULATORS



LUBRICATORS



FILTER/REGULATORS



STAINLESS STEEL
AIR PREPARATION



MODULARS



CUSTOM SOLUTIONS



PRODUCT CATALOG



Introduction

Monnier, Inc. has been manufacturing the highest quality filters, regulators and lubricators in Algonac, Michigan since 1929. Our expansive line of air preparation products ensures that any compressed air system has the appropriate level of filtration, a precise and consistent line pressure and, when appropriate, the correct amount of lubricant in the air.

Particulate Filters

Available with 20, 10 or 3 micron elements, Monnier's particulate filters feature depth filtration elements for maximum particulate removal with minimal pressure drop even over extended duty cycles in extremely demanding applications. The centrifugal action created by the whirl disc provides excellent bulk water removal characteristics as well.

Coalescing Filters

A weave of borosilicate glass fibers form millions of complex paths within Monnier's coalescing elements, ensuring that liquid and solid contaminants are removed as the air passes through the cross section of the element.

Regulators

Monnier's regulators provide precise and repeatable pressure to downstream components. The 1/8" through 1/2" assemblies feature a diaphragm design for maximum precision while the larger sizes utilize a piston construction to provide greater flow.

Lubricators

The Monnier Micro-Vapor™ lubricators provide a consistent ratio of oil to air to guarantee the long life of downstream pneumatic equipment. Filter/Regulators and FRL Combinations: A wide variety of combinations can be ordered pre assembled to minimize installation time.

The Strength of the Monnier Product Line

Monnier machines 97% of the metal components in its air preparation equipment from bar stock, providing enhanced strength, durability and ruggedness. In demanding applications, Monnier's filters, regulators and lubricators will outlast its competition routinely.

Anodizing

All of Monnier's products can be ordered anodized in any of our eight standard colors. The anodizing process adds a layer of corrosion resistance, surface hardness and enhanced aesthetics.

As a constant innovator in the air preparation industry, Monnier is proud to announce multiple **new products in the catalog**, including:

- 101-3100-M Manifold mount regulator (pg.25)
- 7000, 8000 and 9000 Series high flow particulate and coalescing filters (pgs. 20-21)
- 108-1000 Series regulators (pg. 29)
- B05-1000 Series filter/regulators (pg. 54)
- MCV Dilating o-ring check valves (pg. 73)
- MRFC Flow controls (pg. 73)

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

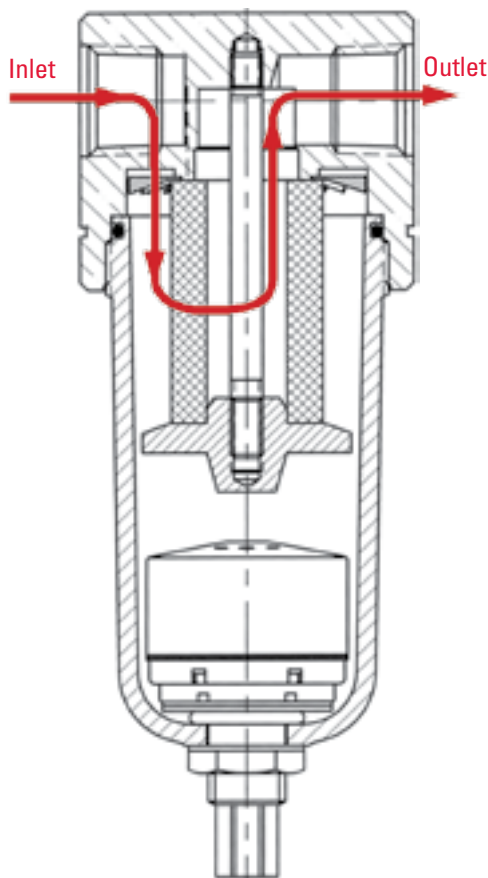
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Particulate Filters

Monnier particulate filters remove solid and liquid contaminants from compressed air. The proper selection and use of compressed air filters will prevent many short and long term issues with your compressed air equipment and systems, and save you substantially in down-time and component replacement costs over the life of your compressed air system.



Filter Function

Monnier particulate filters use two operating principles to remove contaminants from compressed air: Centrifugal force via the whirl disc and particulate impaction by our exclusive dense pack elements.

Air enters the inlet port and is forced through the whirl disc. The whirling action forces all liquids and solids against the bowl wall. Gravity causes them to run down below the quiet-zone baffle where they can be drained. The air then flows through the element where the smaller particles are removed and the filtered air passes downstream.

Exclusive Dense Pack Element Design

Our unique element design provides multiple points of impaction throughout the cross section of the element. This guarantees that the maximum amount of particulate is captured while also ensuring minimal pressure drop over the long life of the element. 20 Micron filter elements are standard in all particulate filters. Additional options are available, as fine as 3 micron. Please see individual product pages for more details. Care should be taken in selecting the element, ensuring that the inlet air quality and the requirements of the downstream components are considered.

Optional Components

Drains: Manual drains are standard. Impulse Drains ("D") or Float Drains ("F") available, depending on product family.

Anodizing: Units can be anodized any of 8 colors. (Colors available: blue, black, clear, green, red, yellow, gold, and purple).

Pipe Size: 1/8" - 1-1/2" NPT

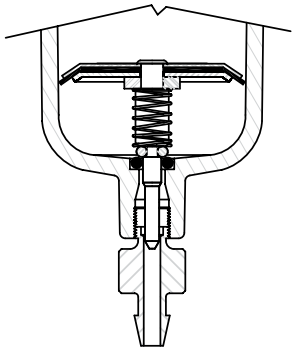
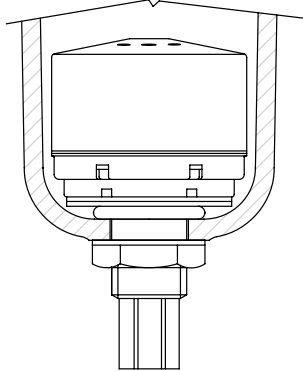
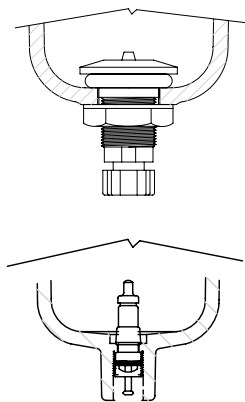
Mounting holes: Mounting holes are options that can be incorporated into any of the filters.

Bowl Options: Polycarbonate bowls, aluminum bowls, sight levels, and bowl guards available depending on the product family.

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Drain Options

IMPULSE	FLOAT	MANUAL
 <p>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.</p>	 <p>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 and allow the liquids to drain.</p>	 <p>Manual drain valve operation varies with the product family, from Schrader valves in the miniature 3000 series to petcocks in the larger sizes.</p>

Caution

Bowl guards are recommended on all polycarbonate bowl filters! All bowl guards are made of heavy-duty stainless steel.

Warning

Polycarbonate bowls can be damaged and may fail if they are exposed to or come in contact with solvents, strong alkalies, fire resistant and/or synthetic compressor lubricants.

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PARTICULATE FILTERS: 204-3000 Miniature Series



Features

- Dense pack element design ensures long element life with minimal pressure drop
- Threaded bowl for ease of maintenance
- 20 micron element standard (10 and 5 micron elements available)
- Manual drain standard, impulse drain available

Operating Specifications

Bowl Capacity: 1 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kit w/ Manual Drain

Polycarbonate: 23520 Aluminum: 23533

Bowl Kit w/ Impulse Drain

Polycarbonate: 23521 Aluminum: 23534

Elements:

- 20 Micron: 23004
- 10 Micron: 23025
- 5 Micron: 23040

Materials of Construction

Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Whirl Disc: Acetal

Element Retainer: Celanese

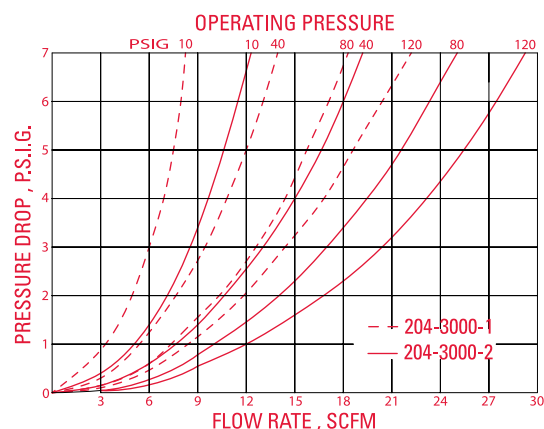
Elements:

- Phenolic Impregnated Cellulose (20 & 10 Micron)
- Polypropylene (5 Micron)

Seals: Buna-N (Fluorocarbon available)

Drain: Manual (Brass and Stainless Steel)

Flow Characteristics

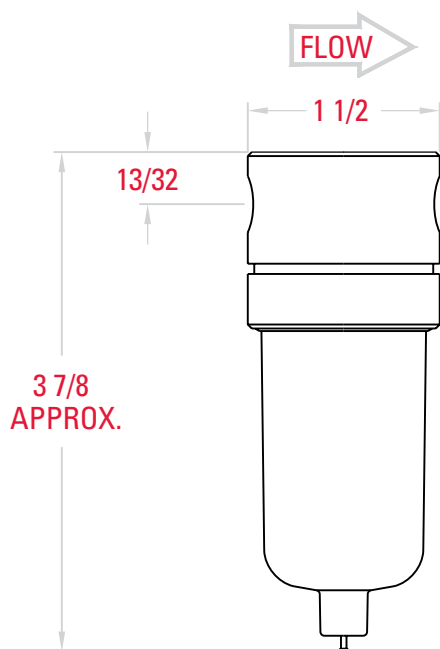


Manual Drain



Automatic Drain

Dimensions



Ordering Information

204-3000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Elements	
20 Micron	0
10 Micron	1
5 Micron	2

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual (Standard)	Blank
Impulse	D
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V
Mounting Hole	
Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

PARTICULATE FILTERS: 204-2000 Compact Series



Manual Drain



Automatic Drain

Features

- Whirl disc creates centrifugal action for maximum water and particulate removal
- Dense pack element design ensures long life with minimal pressure drop
- Tie-rod construction for maximum stability
- 20 micron element standard (10 and 3 micron elements available)
- Manual drain standard; float drain or impulse drains available

Operating Specifications

Bowl Capacity: 5 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Replacement Parts

Polycarbonate Bowl Kit: 22520

Aluminum Bowl Kit: 22537

Aluminum Bowl Kit w/ Sight Level:
22521-P / 22521-T

Elements:

- 20 Micron: 22205
- 10 Micron: 22033
- 3 Micron: 23032

Materials of Construction

Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Whirl Disc: Acetal

Stud: Unanodized assembly: Plated Steel
Anodized assembly: Brass

Base Nut Assembly: Machined Aluminum

Baffle Plate: Acetal

Element: Phenolic Impregnated Cellulose

Seals: Buna-N (Fluorocarbon available)

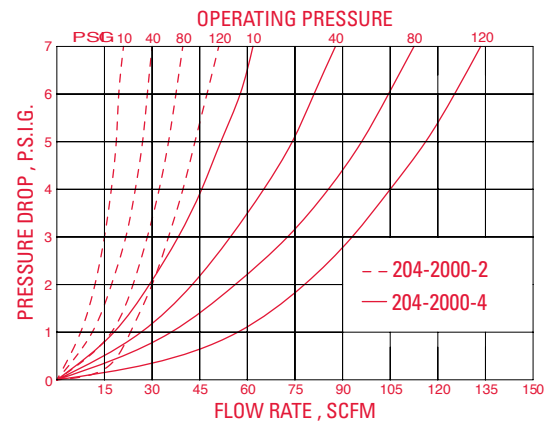
Drain:

- Manual: Brass and Plated Steel
- Float: Anodized Aluminum w/ Acetal and Stainless Steel Float mechanism
- Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)

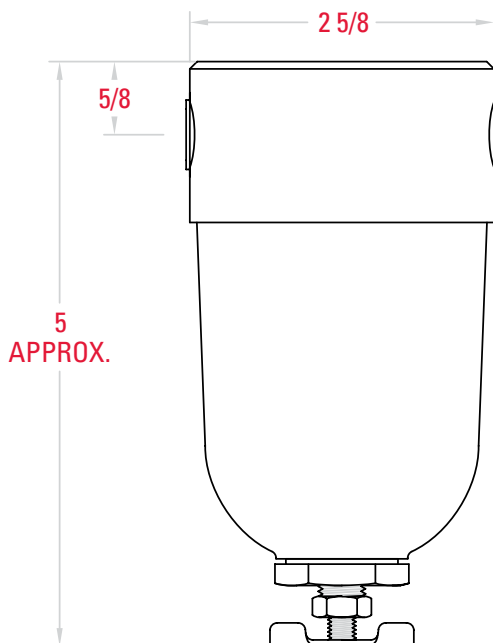
Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (Trogamid available)

Flow Characteristics



Dimensions



Ordering Information

204-2000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Manual	Blank
Impulse	D
Float	F

Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

PARTICULATE FILTERS: 205-1000 Standard Series



Features

- Whirl disc creates centrifugal action for maximum water and particulate removal
- High flow with greater bowl capacity (8 oz.)
- Dense pack element design ensures long life with minimal pressure drop
- Threaded components for ease of maintenance
- 20 micron element standard (10 and 3 micron elements available)
- Manual twist drain standard; internal float or external impulse drains available

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Replacement Parts

Polycarbonate Bowl Kit: 21504

Polycarbonate Bowl Kit w/ Float Drain: 21572

Metal Bowl Kit w/ Float Drain: 21583

Metal Bowl Kit: 21580

Metal Bowl Kit (Polycarbonate/ Trogamid):
21581-P / 21581-T

Elements:

- 20 Micron: 21205 - 3 Micron: 21037
- 10 Micron: 21036

Materials of Construction

Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Whirl Disc: Aluminum

Stud: Brass

Element Retainer: Machined Aluminum

Element: Phenolic Impregnated Cellulose

Seals: Buna-N (Fluorocarbon available)

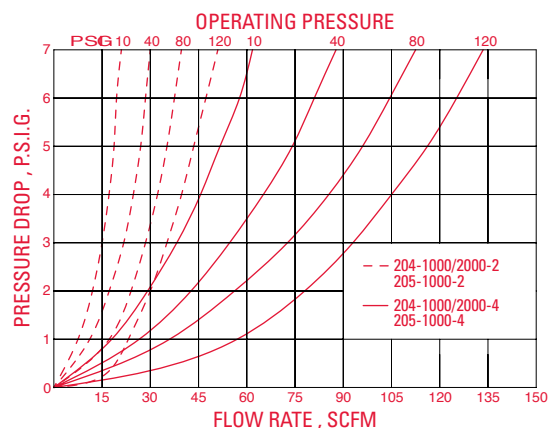
Drain:

- Manual: Plastic
- Float: Acetal and Stainless Steel
- Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)

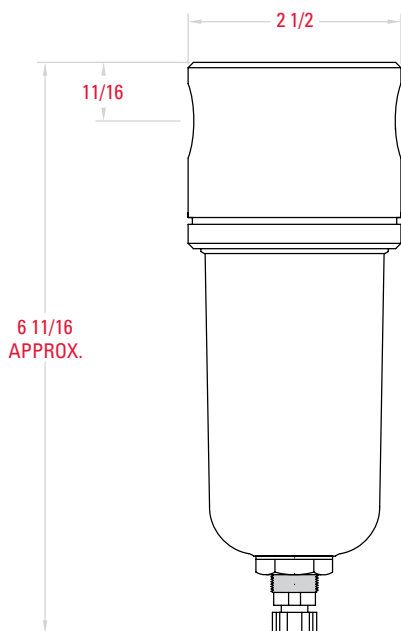
Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (Trogamid available)

Flow Characteristics



Dimensions



Ordering Information

205-1000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual (Standard)	Blank
Impulse (External)	D
Float (Internal)	F
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V
Mounting Hole	
Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

PARTICULATE FILTERS: 204-1000 Standard Series



Features

- Whirl disc creates centrifugal action for maximum water and particulate removal
- High flow with greater bowl capacity (8 oz.)
- Dense pack element design ensures long life with minimal pressure drop
- Tie-rod construction for maximum stability
- 20 micron element standard (10 and 3 micron elements available)
- Available with manual, float or impulse drain

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Replacement Parts

Polycarbonate Bowl Kit: 21557

Aluminum Bowl Kit: 21558

Aluminum Bowl Kit w/ Sight Level:
22559-P / 22559-T

Elements:

- 20 Micron: 21205
- 10 Micron: 21036
- 3 Micron: 21037



Manual Drain



Automatic Drain

Materials of Construction

Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Whirl Disc: Acetal

Stud: - Unanodized assembly: Plated Steel

- Anodized assembly: Brass

Base Nut Assembly: Machined Aluminum

Baffle Plate: Acetal

Element: Phenolic Impregnated Cellulose

Seals: Buna-N (Fluorocarbon available)

Drain: - Manual: Plastic

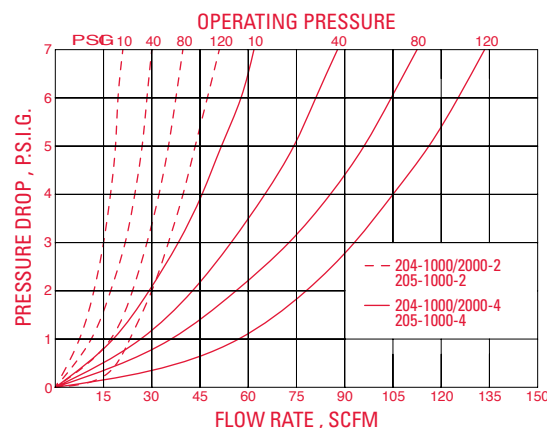
- Float: Acetal and Stainless Steel

- Impulse: Machined Aluminum, Brass,
and Buna-N (Fluorocarbon Available)

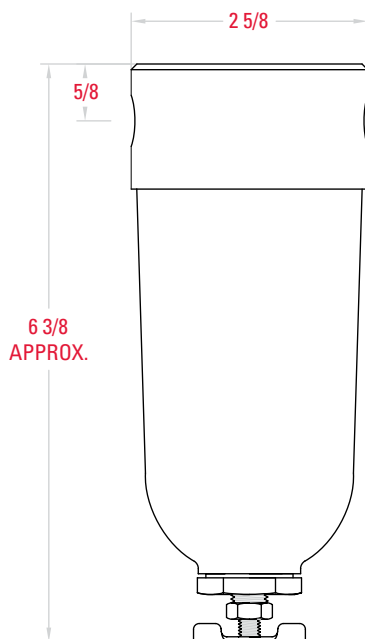
Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (Trogamid available)

Flow Characteristics



Dimensions



Ordering Information

204-1000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Manual (Standard)	Blank
Impulse (External)	D
Float (External)	F

Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

PARTICULATE FILTERS: 201-5000 Series



Features

- Excellent water removal characteristics
- Heavy duty machined aluminum for rugged applications
- Dense pack element design ensures long life with maximum particulate removal
- Now available with internal float drain or external impulse drain
- High flow with large bowl capacity (21 oz.)
- 20 micron elements standard (100, 10 and 3 available as well)

Operating Specifications

Bowl Capacity: 21 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Replacement Parts

Polycarbonate Bowl Kit: 25557

Aluminum Bowl Kit: 25558

Metal Bowl w/ Sight Levels Kit (Polycarbonate/ Trogamid): 25559-P / 25559-T

Elements:

- 100 Micron: 25086
- 20 Micron: 25039
- 10 Micron: 25029
- 3 Micron: 25028

Materials of Construction

Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Base (Polycarbonate Bowl only): Aluminum

Whirl Disc: Acetal

Stud: Plated Steel

Adaptor, Spacer, Base Nut &

Baffle Plate: Aluminum

Element: Phenolic Impregnated Cellulose

Seals: Buna-N (Fluorocarbon available)

Drain: - Manual: Brass and Plated Steel

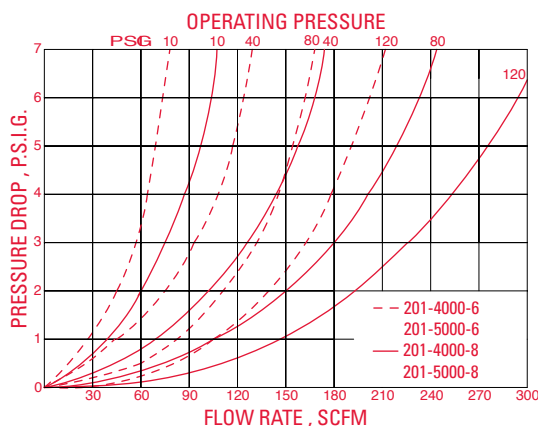
- Float: Acetal and Stainless Steel

- Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)

Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (Trogamid available)

Flow Characteristics

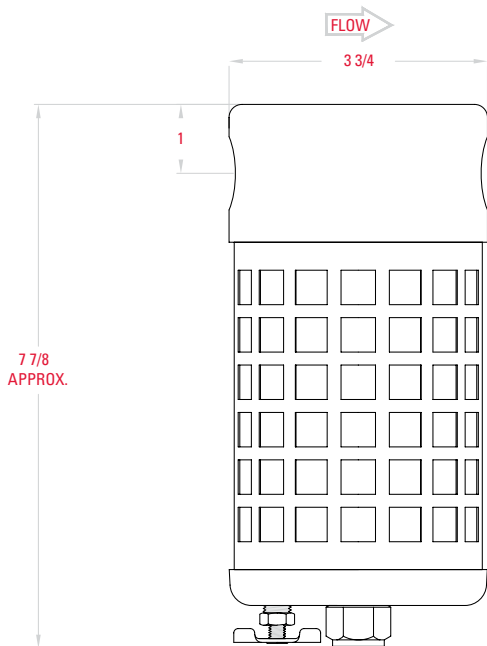


Manual Drain



Automatic Drain

Dimensions



Ordering Information

201-5000-6

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2
100 Micron	3

Pipe Size	
3/4"	6
1"	8

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Manual (Standard)	Blank
Float (Internal)	F
Impulse (External)	D

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

PARTICULATE FILTERS: 201-7202/8202 High Flow Series



Features

- 3.0 Micron element
- High flow with minimal pressure drop
- 1.0 PSI ΔP at rated flow
- Available with manual or float drain

Operating Specifications

Port Sizes: 1-1/4", 1-1/2", 2"
Thread Styles: NPT, BSPT, BSPP
Flow Capacity: 400 & 700 SCFM @ 100 PSI
Bowl Types: Aluminum
Maximum Temperature: 175°F
Maximum Pressure: 200 PSIG
Filter Capacity: 3.0 Micron
Differential Pressure: < 1.0 PSI ΔP at Rated Flow

Materials of Construction

Housing: Aluminum
Stud: Stainless Steel
Pressure Drop Indicator: Nylon
Seals: Buna-N (Fluorocarbon available)
Element: Aluminum and Stainless Steel
Assembly Screws: Black Oxide Plated Steel
Drain (20-404): Anodized Aluminum, Acetal, and Stainless Steel



Manual Drain



Automatic Drain

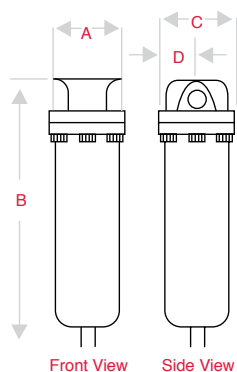
Replacement Parts

Bowl O-Ring (400/700): 27001
Float Drain: 20-404
Differential Indicator (400/700): 27002
Manual Drain: 27003

Replacement Elements

7202: 27000
8202: 28000

Dimensions



Metal Bowl, Manual Drain
A: 7.8 B: 27.5 C: 7.8 D: 3.9

Metal Bowl, Float Drain
A: 7.8 B: 32.0 C: 7.8 D: 3.9

Metal Bowl, Float Drain w/ Indicator
A: 7.8 B: 33.0 C: 7.8 D: 3.9

Ordering Information

201-7202-10F

OPTIONS

Drain

Manual (Standard) Blank
 Float F

Flow

400 scfm 7
 700 scfm 8

Pressure Drop Indicator

No PDI 0
 Pressure Drop Indicator 8

Pipe Size

1 1/4" 10
 1 1/2" 12
 2" 16

PARTICULATE FILTERS: 201-9202 Mainline Series



Features

- 3.0 Micron element
- High flow with minimal pressure drop
- 1.0 PSI ΔP at 1200 scfm
- Manual drain standard; float drain available

Operating Specifications

Port Sizes: 3"
Thread Styles: NPT, BSPT, BSPP
Flow Capacity: 1200 SCFM @ 100 PSI
Bowl Types: Aluminum
Maximum Temperature: 175°F
Maximum Pressure: 200 PSIG
Filter Capacity: 3.0 Micron
Differential Pressure: < 1.0 PSI ΔP at Rated Flow

Materials of Construction

Housing: Aluminum
Stud: Stainless Steel
Pressure Drop Indicator: Nylon
Seals: Buna-N (Fluorocarbon available)
Element: Aluminum and Stainless Steel
Assembly Screws: Black Oxide Plated Steel
Drain (20-404): Anodized Aluminum, Acetal, and Stainless Steel



Manual Drain

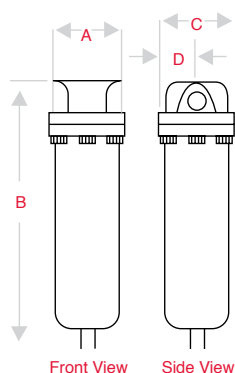


Automatic Drain

Replacement Parts

Bowl O-Ring (1200): 29001
Float Drain: 20-404
Replacement Element: 29001
Manual Drain: 29002

Dimensions



Metal Bowl, Manual Drain
A: 8.0 B: 39.5 C: 8.0 D: 4.0

Metal Bowl, Float Drain
A: 8.0 B: 45.0 C: 8.0 D: 4.0

Ordering Information

201-9202-24F

OPTIONS

Drain

Manual (Standard)	Blank
Float	F

Pressure Drop Indicator

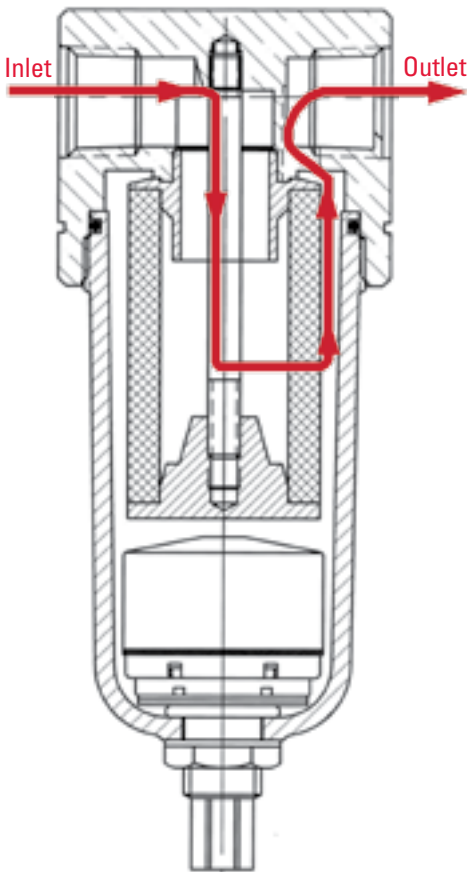
No PDI	0
Pressure Drop Indicator	8

Pipe Size

3"	24
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Coalescing Filters



Coalescing filters remove oil, water and fine particulate from compressed air. Contrary to particulate filters, air flows from the inside to the outside of the coalescing element. Along the way, very fine passageways capture liquid droplets and particulate. Gravity pulls the liquid to the bottom of the element where it drips into the sump area for drainage. The particulate matter is embedded into the element material. The Monnier line of coalescing filters are available with two element options — the 0.3 micron elements that are 99.97% efficient in capturing all oil, dirt, and water from the air; and the 0.01 micron elements that are 99.995% efficient.

For the cleanest air possible and least maintenance cost, we recommend a 3 micron element filter be installed directly upstream of all coalescing filters.

Standard Components

Maximum Pressure Ratings:

- Polycarbonate Bowl: 150 PSI
- Metal Bowls: 250 PSI

Temperature Ratings:

- Polycarbonate Bowl: 0-120°F
- Metal Bowl: 0-200°F

Elements: 0.3 and 0.01 Micron elements are available depending on the product family

Optional Components

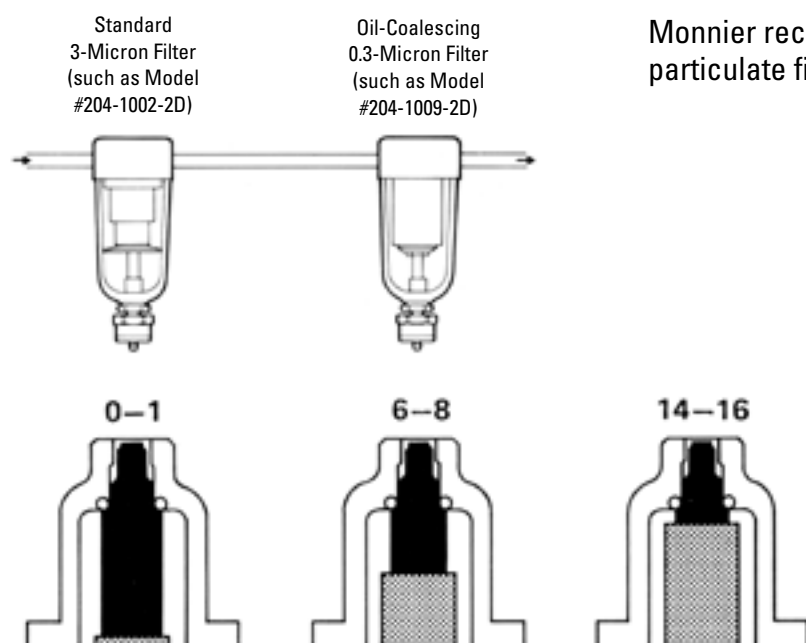
Drains: Manual drains are standard in all coalescing filters. Impulse Drains ("D") or Float Drains ("F") are available, depending on product family.

Anodizing: All aluminum heads and bases have standard green anodizing. Metal bowls can be anodized at an additional cost. Drains are clear anodized as standard, but can be ordered in any of our other colors.

Bowl Options: Polycarbonate bowls, aluminum bowls, sight levels, and bowl guards are available depending on the product family.

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3009 Miniature Series	14	4009 Heavy Duty Series	18
2009 Compact Series	15	6209 Heavy Duty Series	19
1009 Standard Series	16, 17	7208/8208 Series	20
		9208 Series	21



Monnier recommends the use of a 3 micron particulate filter upstream of all coalescing filters.

A pressure drop indicator is optional with each coalescing filter. The pressure drop indicator is highly visible and designed so that the relative amount of pressure drop is easily determined from the height of the yellow column.

Caution

Bowl guards are recommended on all polycarbonate bowl filters! All bowl guards are made of heavy-duty stainless steel.

Warning

Polycarbonate bowls can be damaged and may fail if they are exposed to or come in contact with solvents, strong alkalies, fire resistant and/or synthetic compressor lubricants.

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

COALESCING FILTERS: 204-3009 Miniature Series



Features

- Removes liquid and sub-micron solids
- 0.3 Micron element removes 99.97% of all liquid and dirt from air
- 0.01 Micron element removes 99.995% of all liquid and dirt from air
- Available with manual or impulse drain
- Threaded components for ease of maintenance
- Green anodized housing (other colors available)

Operating Specifications

Bowl Capacity: 1 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Polycarbonate Bowl Kit w/ Standard Drain: 23520

Aluminum Bowl Kit w/ Manual Drain: 23533

Polycarbonate Bowl Kit w/ Impulse Drain: 23521

Aluminum Bowl Kit w/ Impulse Drain: 23534

Elements:

0.3 Micron: 23543

0.01 Micron: 23592

Materials of Construction

Head: Anodized Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Element Shield: Polycarbonate

Element Retainer: Celonese

(Polypropylene available)

Element: Borosilicate Glass Fiber

Seals: Buna-N (Fluorocarbon available)

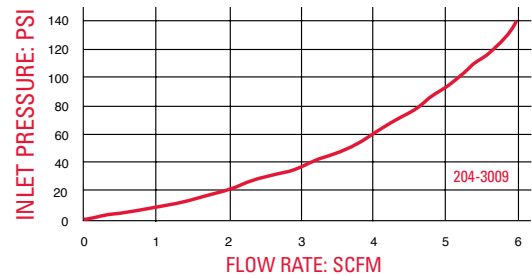
Drain:

- Manual: Nickel Plated Brass

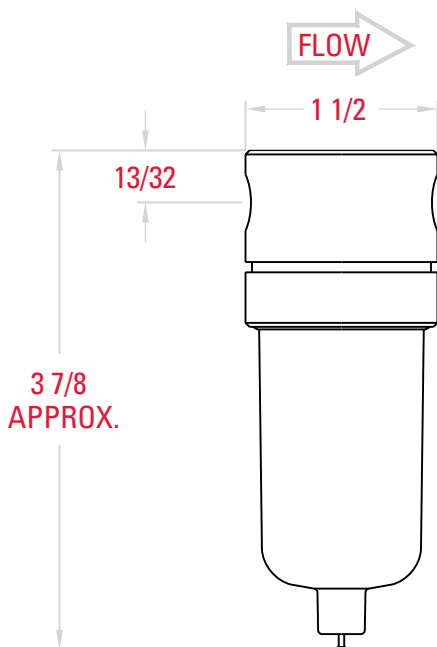
- Impulse: Machined Aluminum and Brass

Bowl Guard: Stainless Steel

Flow Characteristics



Dimensions



Ordering Information

204-3009-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Elements	
0.3 micron	9
0.01 micron	8

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
Green (Standard)	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Impulse	D
Seals	
Buna-N (Standard)	Blank
Fluorocarbon (Viton)	V
Mounting Hole	
Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

COALESCING FILTERS: 204-2009 Compact Series



Features

- Removes liquid and sub-micron solids
- 0.3 Micron element removes 99.97% of all moisture and dirt from air
- Available with manual, float or impulse drain
- Pressure drop indicator available to show when element needs to be changed
- Tie-Rod construction for maximum stability
- Green anodized housing (other colors available)

Operating Specifications

Bowl Capacity: 5 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F



Manual Drain



Automatic Drain

Accessories & Kits

Polycarbonate Bowl Kit: 22520

Aluminum Bowl Kit: 22537

Aluminum Bowl Kit w/ Sight Level

(Polycarbonate/Trogamid): 21559-P / 21559-T

Elements: 0.3 Micron: 21545

Pressure Drop Indicator Assembly: 21542

Pressure Drop Indicator Seal Kit: 21543

Materials of Construction

Head: Anodized Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Element Retainer: Machined Aluminum

Element: Borosilicate Glass Fiber

with Urethane Endcaps

Seals: Buna-N (Fluorocarbon available)

Drain:

- Manual: Brass and Plated Steel
- Float: Anodized Aluminum housing w/ Acetal and Stainless Steel Float Mechanism
- Impulse: Machined Aluminum, Brass, Buna-N (Fluorocarbon available)

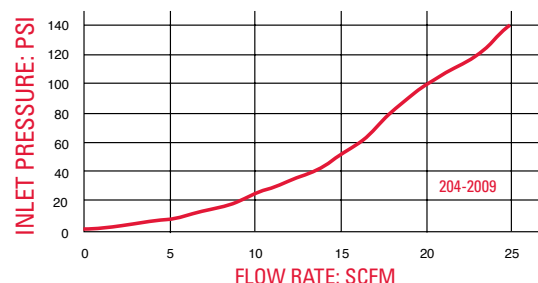
Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (trogamid available)

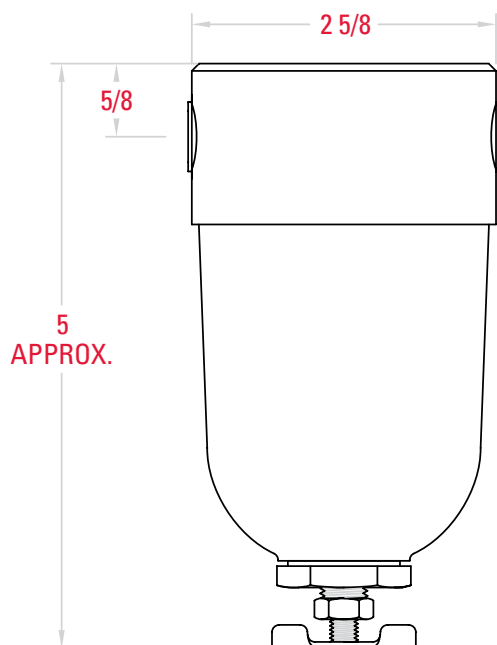
Pressure Drop Indicator: Polyethylene, Phosphate Coated Steel Retaining Ring, Polycarbonate Dome (Trogamid Available)

Stud: Brass

Flow Characteristics



Dimensions



Ordering Information

204-2009-2

Bowl Type

Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Pipe Size

1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

Green (Standard)	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Impulse	D
Float	F

Seals

Buna-N (Standard)	Blank
Fluorocarbon (Viton)	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Levels

Trogamid	T
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COALESCING FILTERS: 205-1009 Standard Series



Features

- Removes liquid and sub-micron solids
- 0.3 Micron element removes 99.97% of dirt and oil from air
- 0.01 Micron element removes 99.995% of dirt and oil from air
- Available with manual, internal float, or external impulse drain
- Pressure drop indicators available to show when element needs to be changed
- Threaded bowl for ease of maintenance
- Standard green anodized filter housing (other colors available)

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Materials of Construction

Head: Anodized Machined Aluminum

Bowl: Polycarbonate or Anodized Machined Aluminum

Stud: Brass

Element: Borosilicate Glass Fiber

Element Retainer: Anodized Aluminum

Seals: Buna-N (Fluorocarbon available)

Drain:

- Manual: Plastic
- Float: Acetal and Stainless Steel
- Impulse: Machined Aluminum, Brass, Buna-N (Fluorocarbon available)

Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (Trogamid available)

Pressure Drop Indicator: Polyethylene, Phosphate Coated Steel Retaining Ring, Polycarbonate Dome (Trogamid Available)



Manual Drain



Automatic Drain

Accessories & Kits

Polycarbonate Bowl Kit: 21504

Polycarbonate Bowl Kit w/ Float Drain: 21572

Metal Bowl Kit w/ Float Drain: 21583

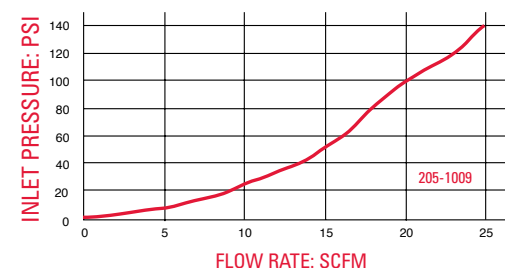
Metal Bowl Kit: 21580

Metal Bowl Kit (Polycarbonate/ Trogamid): 21581-P / 21581-T

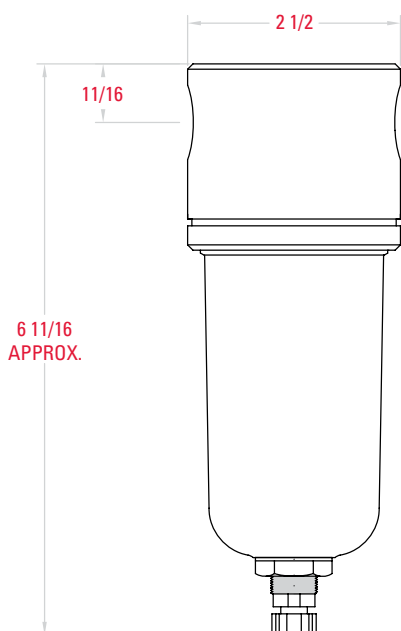
Pressure Drop Indicator Assembly: 21542

Elements: 0.3 Micron: 21720 0.01 Micron: 21762

Flow Characteristics



Dimensions



Ordering Information

205-1009-4

OPTIONS

Anodizing

Green (Standard)	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Manual	Blank
Impulse	D
Float	F

Seals

Buna-N (Standard)	Blank
Fluorocarbon (Viton)	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Levels

Trogamid	T
----------	---

Bowl Type

Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure Drop Indicator

Without PDI	0
With PDI	8

Elements

0.3 micron	9
0.01 micron	8

Pipe Size

1/4"	2
3/8"	3
1/2"	4

COALESCING FILTERS: 204-1009 Standard Series



Features

- Removes liquid and sub-micron solids
- 0.3 Micron element removes 99.97% of dirt and oil from air
- 0.01 Micron element removes 99.995% of dirt and oil from air
- Available with manual, float or impulse drain
- Pressure drop indicator available to show when element needs to be changed
- Tie-Rod construction for maximum stability
- Standard green anodized filter housing (other colors available)

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Polycarbonate Bowl Kit: 21557

Aluminum Bowl: 21558

Aluminum Bowl Kit w/ Sight Level (Polycarbonate/Trogamid): 21559-P / 21559-T

Pressure Drop Indicator Assembly: 21542

Elements:

0.3 Micron: 21545

0.01 Micron: 21751

Materials of Construction

Head: Anodized Machined Aluminum

Bowl: Polycarbonate or Anodized Machined Aluminum

Stud: Brass

Element: Borosilicate Glass Fiber with Urethane Endcaps

Element Retainer: Anodized Aluminum

Retainer Nut: Nylon

Seals: Buna-N (Fluorocarbon available)

Base Nut Assembly: Anodized Machined Aluminum

Drain:

- Manual: Brass

- Float: Anodized Aluminum housing w/ Acetal and Stainless Steel Float Mechanism

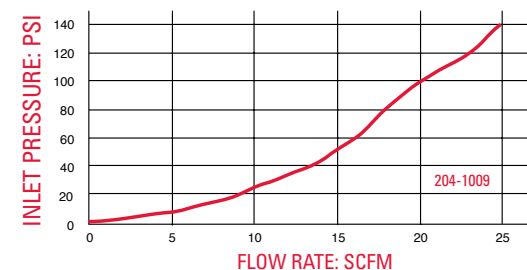
- Impulse: Machined Aluminum, Brass, Buna-N (Fluorocarbon available)

Bowl Guard: Stainless Steel

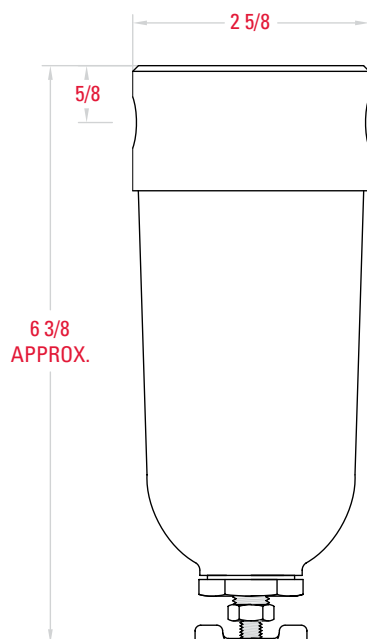
Sight Level: Polycarbonate (Trogamid available)

Pressure Drop Indicator: Polyethylene, Phosphate Coated Steel Retaining Ring, Polycarbonate Dome (Trogamid Available)

Flow Characteristics



Dimensions



Ordering Information

204-1009-4

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure Drop Indicator	
Without PDI	0
With PDI	8

Elements	
0.3 micron	9
0.01 micron	8

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing	
Green (Standard)	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	Blank
Impulse	D
Float	F
Seals	
Buna-N (Standard)	Blank
Fluorocarbon (Viton)	V
Mounting Hole	
Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS
Sight Levels	
Trogamid	T

COALESCING FILTERS: 204-4009 Heavy Duty Series



Features

- Removes liquid and sub-micron solids
- 0.3 Micron element removes 99.97% of all moisture and dirt from air
- 0.01 Micron element removes 99.995% of moisture oil and dirt from air
- Available with manual, float or impulse drain
- Pressure Drop Indicator available to show when element needs to be changed
- Tie-Rod construction
- Green anodized filter housing standard (other colors available)

Operating Specifications

Bowl Capacity: 32 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

	1/2" (4)	3/4" & 1" (6, 8)
Polycarbonate Bowl Kit:	24557	24422
Aluminum Bowl Kit:	24558	24421
Aluminum Bowl Kit w/ Polycarbonate Sight Level:	24559-P	24423-P
Aluminum Bowl Kit w/ Trogamid Sight Level:	24559-T	24423-T
Pressure Drop Indicator Assembly:	21542	
Elements:	0.3 Micron: 24547	0.01 Micron: 24751

Materials of Construction

Head: Anodized Machined Aluminum

Bowl: Polycarbonate or Anodized Machined Aluminum

Base (Polycarbonate Bowl Only): Anodized Aluminum

Stack: Anodized Aluminum **Stud:** Brass

Element: Borosilicate Glass Fiber with Urethane End-caps

Element Retainer: Anodized Machined Aluminum

Element Retainer Nut: Nylon

Base Nut: Anodized Machined Aluminum

Seals: Buna-N (Fluorocarbon available)

Drain: - Manual: Brass and Plated Steel

- Float: Anodized Aluminum housing w/ Acetal and Stainless Steel Float Mechanism

- Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)

Bowl Guard: Stainless Steel

Sight Level: Polycarbonate (Trogamid available)

Pressure Drop Indicator: Polyethylene, Phosphate Coated Steel Retaining Ring, Polycarbonate Dome (Trogamid Available)

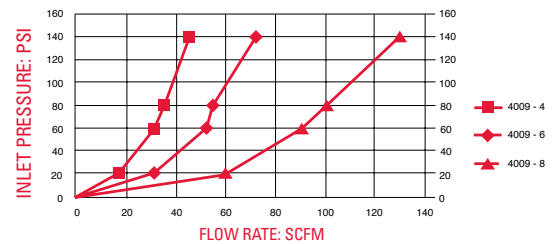


Manual Drain

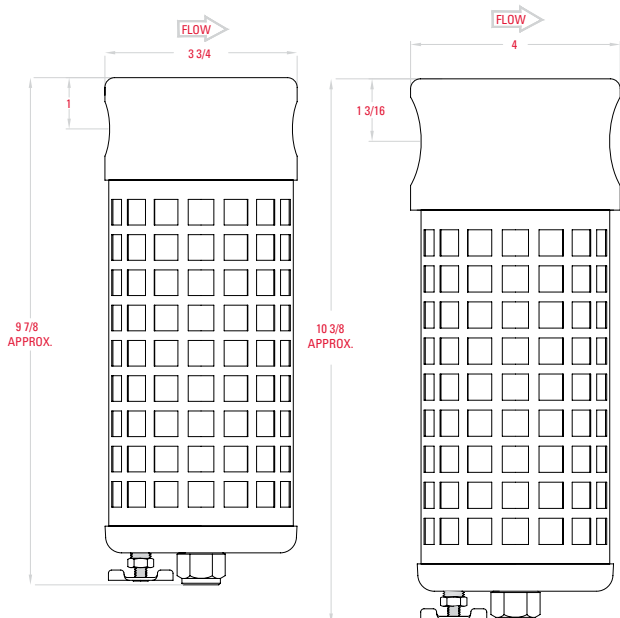


Automatic Drain

Flow Characteristics



Dimensions



Ordering Information

204-4009-6

OPTIONS

Anodizing

Green (Standard)	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Impulse (External)	D
Float (Internal)	F

Seals

Buna-N (Standard)	Blank
Fluorocarbon (Viton)	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Levels

Trogamid	T
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Bowl Type

Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure Drop Indicator

Without PDI	0
With PDI	8

Elements

0.3 micron	9
0.01 micron	8

Pipe Size

1/2"	4
3/4"	6
1"	8

COALESCING FILTERS: 204-6209 Heavy Duty Series



Features

- Removes liquid and sub-micron solids
- 0.3 Micron element removes 99.97% of all oil and dirt from air
- 0.01 Micron element removes 99.995% of all oil and dirt from air
- Available with manual, float or impulse drain
- Pressure drop indicator available to show when element needs to be changed
- High flow with 64 oz. bowl capacity
- Standard green anodized filter housing (other colors available)

Operating Specifications

Bowl Capacity: 64 oz.

Maximum Pressure Ratings:

- Aluminum Bowl: 250 PSIG
- Polycarbonate Bowl: 150 PSIG

Temperature Ratings:

- Aluminum Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Materials of Construction

Head, Bowl, Base & Stack: Anodized Machined Aluminum

Stud: Brass

Element: Borosilicate Glass Fiber with Urethane Endcaps

Element Retainer: Anodized Machined Aluminum

Element Retainer Nut: Nylon

Base Nut: Anodized Machined Aluminum

Seals: Buna-N (Fluorocarbon available)

Drain:

- Manual: Brass and Plated Steel
 - Float: Acetal and Stainless Steel
 - Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon available)
- Sight Level:** Polycarbonate (trogamid available)
- Pressure Drop Indicator:** Polyethylene, Phosphate Coated Steel Retaining Ring, Polycarbonate Dome (Trogamid Available)

Accessories & Kits

Seal Kit: 26565

Sight Levels: 21538 (P) 21537 (T)

Pressure Drop Indicator Assembly: 21542

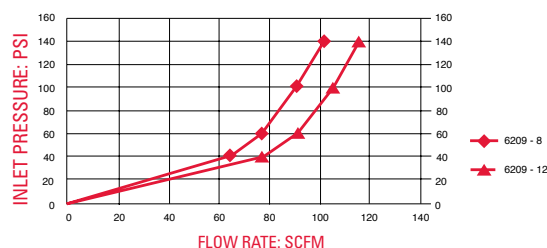
Pressure Drop Indicator Seal Kit: 21543

Elements: 0.3 Micron: 26550 0.01 Micron: 26751

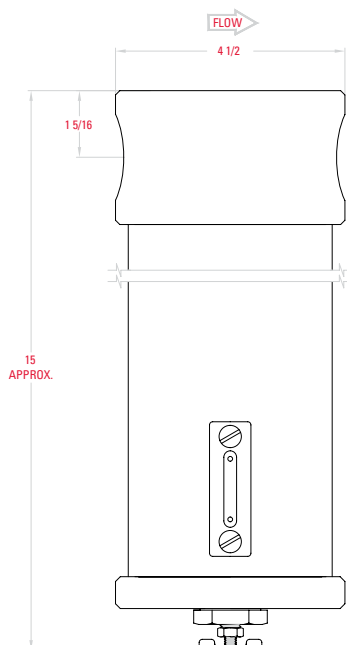
Metal Bowl Kit: 26558

Metal Bowl Kit w/ Sight Levels: 26559-P / 26559-T

Flow Characteristics



Dimensions



Ordering Information

204-6209-8

OPTIONS

Anodizing

Green (Standard)	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Impulse (External)	D
Float (Internal)	F

Seals

Buna-N (Standard)	Blank
Fluorocarbon (Viton)	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Levels

Trogamid	T
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Bowl Type

Metal	2
Metal w/ Sight Level	3

Pressure Drop Indicator

Without PDI	0
With PDI	8

Elements

0.3 micron	9
0.01 micron	8

Pipe Size

1"	8
1 1/4"	10
1 1/2"	12

COALESCING FILTERS: 201-7208/8208 Series



Features

- High flow with minimal pressure drop
- 1.5PSI Δ P at rated flow
- Available with manual or float drain

Operating Specifications

Port Sizes: 1-1/4", 1-1/2", 2"
Thread Styles: NPT, BSPT, BSPP
Flow Capacity: 400 & 700 SCFM @ 100 PSI
Maximum Temperature: 175° F
Maximum Pressure: 200 PSIG
Filter Capacity: 0.01 Micron
Differential Pressure: <1.5 PSI Δ P at Rated Flow

Materials of Construction

Housing: Aluminum
Stud: Stainless Steel
Indicator: Nylon
Seals: Buna-N
Elements: Aluminum and Stainless Steel
Assembly Screws: Black Oxide Plated Steel
Drain (20-404): Anodized Aluminum, Acetal, and Stainless Steel

Accessories & Kits

Bowl O-Ring (400/700): 27001
Float Drain: 20-404
Differential Indicator (400/700): 27002
Manual Drain: 27003

Replacement Elements:

7208: 27004
8208: 28001

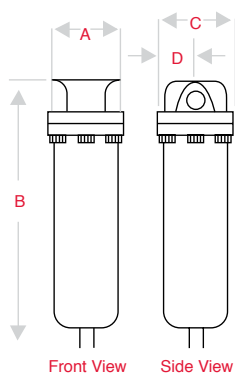


Manual Drain



Automatic Drain

Dimensions



Front View

Side View

Metal Bowl, Manual Drain

A: 7.8 **B:** 27.5 **C:** 7.8 **D:** 3.9

Metal Bowl, Float Drain

A: 7.8 **B:** 32.0 **C:** 7.8 **D:** 3.9

Metal Bowl, Float Drain w/ Indicator

A: 7.8 **B:** 33.0 **C:** 7.8 **D:** 3.9

Ordering Information

201-7208-10F

		Drain	
		Manual Float	Blank F
Flow			
400 scfm	7		
700 scfm	8		
Pressure Drop Indicator			
Without PDI	0		
With PDI	8		
Elements			
0.3 micron	9		
0.01 micron	8		
		Pipe Size	
		1 1/4"	10
		1 1/2"	12
		2"	16

COALESCING FILTERS: 201-9208 Series



Features

- High flow with minimal pressure drop
- 1.5PSI Δ P at 1200 scfm
- Available with manual or float drain

Operating Specifications

Port Sizes: 3"
Thread Styles: NPT, BSPT, BSPP
Flow Capacity: 1200 SCFM @ 100 PSI
Maximum Temperature: 175° F
Maximum Pressure: 200 PSIG
Filter Capacity: 0.01 Micron
Differential Pressure: 1.5 PSI Δ P at Rated Flow

Accessories & Kits

Bowl O-Ring (1200): 24001
Float Drain: 20-404
Manual Drain: 29002
Replacement Element: 29000

Materials of Construction

Housing: Aluminum
Stud: Stainless Steel
Indicator: Nylon
Seals: Buna-N
Elements: Aluminum and Stainless Steel
Assembly Screws: Black Oxide Plated Steel
Drain (20-404): Anodized Aluminum, Acetal and Stainless Steel

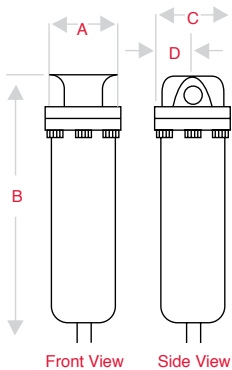


Manual Drain



Automatic Drain

Dimensions



Metal Bowl, Manual Drain
A: 8.0 B: 39.5 C: 8.0 D: 4.0

Metal Bowl, Float Drain
A: 8.0 B: 45.0 C: 8.0 D: 4.0

Ordering Information

201-9208-24F

Drain

Manual
Float

Blank
F

Pressure Drop Indicator

Without PDI 0
With PDI 8

Pipe Size

3" 24



Regulators

Adequate pressure regulation is necessary for the efficient use of pneumatic equipment. Monnier regulators are built in a variety of sizes (1/8" through 1-1/2") and with varied specifications to help suit each application's requirements. Our regulators are built with two basic designs. Diaphragm operated regulators are used to offer a quick response and maximum accuracy. Piston operated regulators provide the highest air flow possible in the larger regulator series. Monnier regulators can also be offered as relieving or non-relieving, depending on the specific needs of the application.

Monnier designs a wide variety of compressed air regulators to provide constant pressure. Standard regulators are suitable for optimal pressure ranges from 0-10 psi to 20-250 psi.

Additional Options

- Preset at the factory
- Preset and tamper-resistant
- Lock and key regulators to eliminate unwanted adjustment
- Reverse flow regulators
- Manifold mount regulators
- Pilot operated regulators
- Anodizing available in any of eight standard colors for any regulator
- Multiple mounting options for all regulators; pipe, bracket or panel mounting

Features

- All regulators will adjust to zero psi (shutoff) and to pressure above the range shown.
- Gauge port plugs are included with all regulators.
- Fluorocarbon seals available in place of Buna-N.
- All regulators available with pressure gauges corresponding to the pressure range.

Specifications

Maximum Inlet Pressure: 250 PSI

Maximum Temperature: 175°F

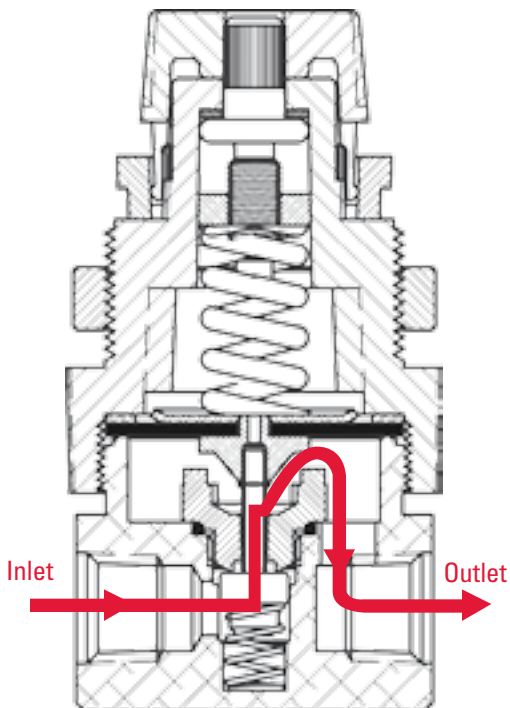


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108-1000 Series	1/4, 3/8 & 1/2	29
101-1000 Series	1/2 & 3/4	30
4000/5000 Heavy Duty Series	3/4, 1, 1 1/4 & 1 1/2	31
Iso-Sized Manifold Mount Regulators		32-34
Piloted Operated Pressure Regulators	1/8 - 1 1/2	35, 36
Subminiature Regulators	1/16 & 1/8	37
UL Label Regulators	1/8, 1/4, 3/8 & 1/2	38
3101 Series Relief Valves	1/8 & 1/4	39



Warning

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

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

REGULATORS: 101-3000/111-3000/102-3000 Miniature Series



Relieving



Non-Relieving

Features

- Machined aluminum body provides close tolerances for exceptional accuracy, repeatability and responsiveness
- Available with polycarbonate bonnet with locking ring or aluminum bonnet and locking nut
- Diaphragm style regulator for minimal hysteresis and greater accuracy and responsiveness
- Constant bleed fitting available for even greater accuracy
- Relieving and non-relieving versions available
- Gauge port plugs included
- Preset and tamperproof options available
- Also available with brass body for water service (non-relieving recommended)

Operating Specifications

Gauge Ports: 1/8" NPT
Maximum Inlet Pressure: 250 PSIG
Temperature Range: 0-175°F
Weight: 87 g

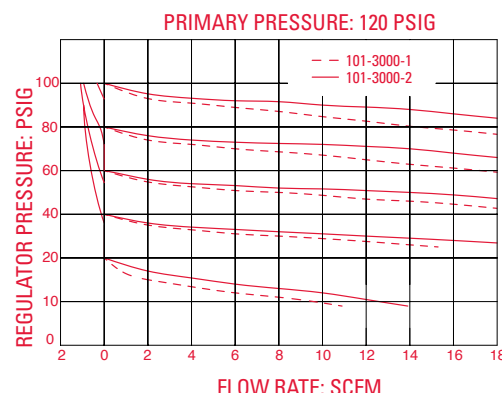
Accessories & Kits

Panel Nuts: 13133 (101-3000 Series);
 13025 (111/102-3000 Series)
Bracket Kits: 13536 (101-3000 Series);
 13534 (111/102-3000 Series)
Service Kits: 13532 (Relieving);
 13533 (Non-Relieving)
Constant Bleed Fitting: 13520

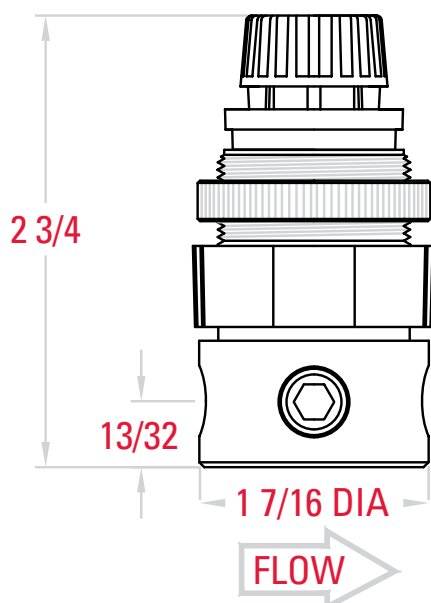
Materials of Construction

Body: Machined Aluminum or Brass
Bonnet: 101-3000: Polycarbonate
 111/102-3000: Aluminum
Adjustment Screw:
 101-3000: Black Oxide Coated Steel
 111/102-3000: Zinc Plated Steel (102 series)
Poppet Seat: Nylon
Diaphragm Assembly: Zinc Plated Steel, Brass,
 Buna-N (Fluorocarbon available)
Seals: Buna-N (Fluorocarbon available)
Poppet Spring: Stainless Steel
Compression Spring: Music Wire, Spring Steel
Bracket: Zinc Plated Steel
Panel Nut: Machined Aluminum

Flow Characteristics



Dimensions



Ordering Information

101 -3000-2

Bonnet	
Polycarbonate	01
Aluminum w/ Adjusting Screw	11
Aluminum w/ Knob	02
Body	
Aluminum (standard)	Blank
Brass	B
Gauge Ports	
Yes	0
No	1
Pressure	
10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
(Aluminum Bonnet Only)	
20-250 Non-Relieving	07
(Aluminum Bonnet Only)	
1-10 Relieving	08
1-10 Non-Relieving	09

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Seals	
Buna-N	Blank
Fluorocarbon	V
Attachment Parts	
Bracket Kit	B
Gauge	G
Tamperproof	
Tamperproof (Plastic Tie w/ Poly Bonnet)	T
Tamperproof (Set screw w/ Alum Bonnet)	TS
Preset	P
Preset & Tamperproof (Plastic Tie)	PT
Preset & Tamperproof (Set Screw)	PTS

REGULATORS: 101-3100 Manifold Mount Series



Features

- Same performance as the 101-3000 series but with easy to mount manifold interface
- 3/8-24 nipple acts as inlet and mounting mechanism
- No mounting screw or hardware required
- Perfect for multiple pressure manifolds or integrating components in a pneumatic circuit

Operating Specifications

Maximum Inlet Pressure: 250 PSIG
Temperature Range: 0-175°F
Weight: 87 g

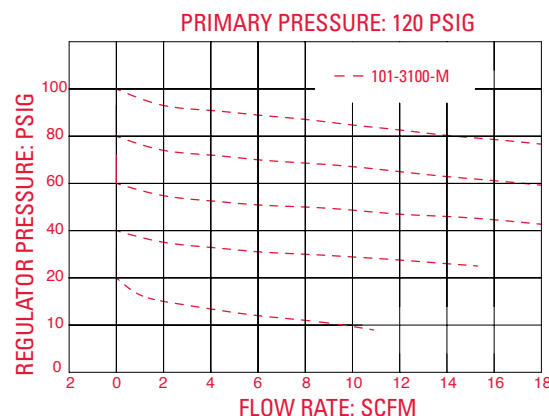
Accessories & Kits

Panel Nuts: 13133 (101-3000 Series);
 13025 (111/102-3000 Series)
Bracket Kits: 13536 (101-3000 Series);
 13534 (111/102-3000 Series)
Service Kits: 13532 (Relieving);
 13533 (Non-Relieving)
Constant Bleed Fitting: 13520

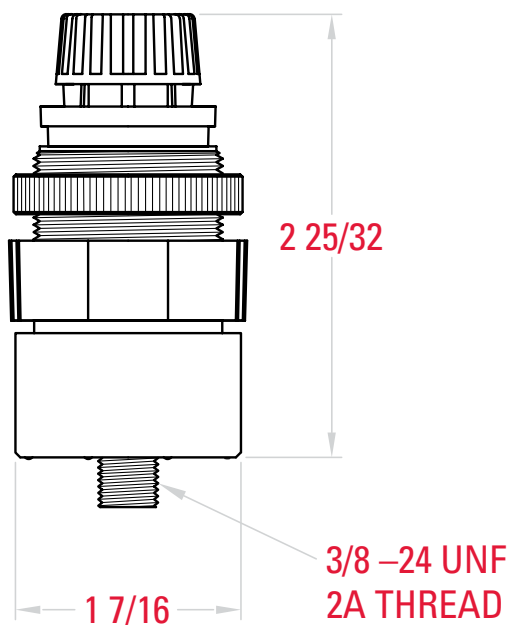
Materials of Construction

Body: Machined Aluminum or Brass
Bonnet: 101-3000: Polycarbonate
 111/102-3000: Aluminum
Adjustment Screw:
 101-3000: Black Oxide Coated Steel
 111/102-3000: Zinc Plated Steel (102 series)
Poppet Seat: Nylon
Diaphragm Assembly: Zinc Plated Steel, Brass, Buna-N (Fluorocarbon available)
Seals: Buna-N (Fluorocarbon available)
Poppet Spring: Stainless Steel
Compression Spring: Music Wire, Spring Steel
Bracket: Zinc Plated Steel
Panel Nut: Machined Aluminum
Mounting Nipple: Zinc Plated Steel

Flow Characteristics



Dimensions



Ordering Information

101-3100-M

Bonnet

Polycarbonate	01
Aluminum w/ Adjusting Screw	11
Aluminum w/ Knob	02

Pressure

10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	
(Aluminum Bonnet Only)	06
20-250 Non-Relieving	
(Aluminum Bonnet Only)	07
1-10 Relieving	08
1-10 Non-Relieving	09

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

REGULATORS: 101C-3000 Reverse Flow Miniature Series



Features

- Provides regulated pressure when flowing inlet to outlet
- Built-in check valve allows unrestricted reverse flow
- Allows regulator to be placed between valve and actuator to regulate cylinder ports independently
- Same accuracy, repeatability and responsiveness as standard 101-3000 regulators

Operating Specifications

Gauge Ports: 1/8" NPT
Maximum Inlet Pressure: 250 PSIG
Temperature Range: 0-175°F
Weight: 87 g

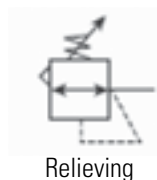
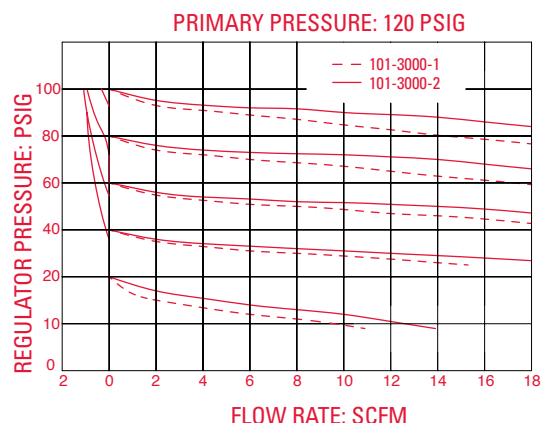
Accessories & Kits

Panel Nuts: 13133 (101-3000 Series);
 13025 (111/102-3000 Series)
Bracket Kits: 13536 (101-3000 Series);
 13534 (111/102-3000 Series)
Service Kits: 13532 (Relieving);
 13533 (Non-Relieving)
Constant Bleed Fitting: 13520

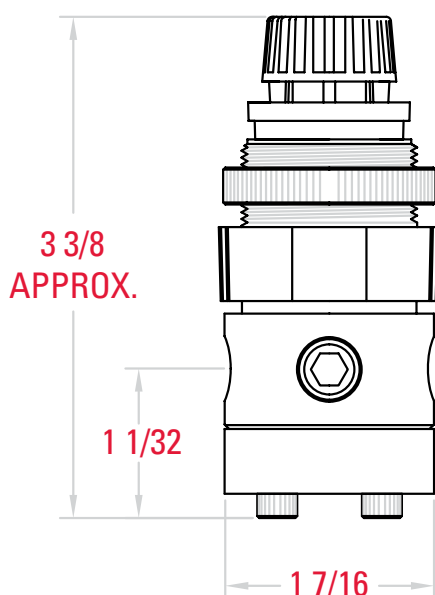
Materials of Construction

Body: Aluminum
Bonnet: Polycarbonate or Aluminum
Adjustment Screw:
 101-3000: Black Oxide Coated Steel
 111/102-3000: Zinc Plated Steel (102 Series)
Poppet Seat: Nylon
Diaphragm Assembly: Zinc Plated Steel, Brass,
 Buna-N (Fluorocarbon available)
Seals: Buna-N (Fluorocarbon available)
Poppet Spring: Stainless Steel
Compression Spring: Music Wire, Spring Steel
Poppet Spring: Stainless Steel
Bracket: Zinc Plated Steel
Panel Nut: Machined Aluminum
Check Valve Ball: Buna-N (Fluorocarbon Available)
Check Valve Spring: Stainless Steel
Check Valve Cover: Aluminum

Flow Characteristics



Dimensions



Ordering Information

101C-1000-2

Bonnet	
Polycarbonate	01
Aluminum w/ Adjusting Screw	11
Aluminum w/ Knob	02

Gauge Ports	
Yes	0
No	1

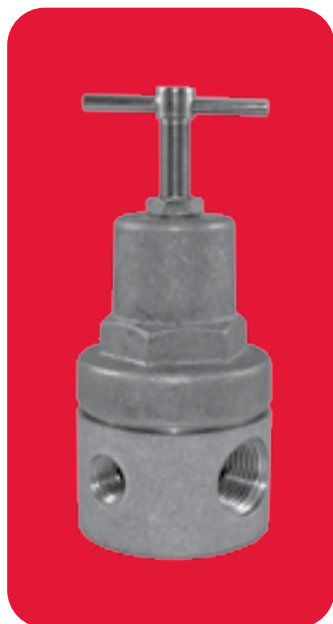
Pressure	
10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07
1-10 Relieving	08
1-10 Non-Relieving	09

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Seals	
Buna-N	Blank
Fluorocarbon	V
Attachment Parts	
Bracket Kit	B
Gauge	G
Tamperproof	
Tamperproof (Plastic Tie w/ Poly Bonnet)	T
Tamperproof (Set screw w/ Alum Bonnet)	TS
Preset	P
Preset & Tamperproof (Plastic Tie)	PT
Preset & Tamperproof (Set Screw)	PTS

REGULATORS: 104-1000 Standard Series



Features

- Machined Aluminum body provides close tolerances for exceptional accuracy, repeatability and responsiveness
- Diaphragm style regulator for minimal hysteresis and greater responsiveness
- Constant bleed fitting available for even greater accuracy
- Relieving and non-relieving versions available
- Gauge port plugs included
- Bracket and panel mounting available
- Available with T-handle, knob or lock and key mechanism
- Preset and tamperproof options available

Operating Specifications

Gauge Ports: two 1/4" NPT (Standard)

Maximum Inlet Pressure: 250 PSIG

Temperature Rating: Aluminum Bonnet: 0-175°F

Weight: 430 g

Accessories & Kits

Panel Nuts: 11124 (105 & 106)

Repair Kit: (Relieving) 11513;

(Relieving -1006) 11959;

(Non-Relieving) 11515;

(Non-Relieving-1007) 11958

Bracket: 11122 (105 & 106); 11543 (104)

Constant Bleed Fitting: (1/4") 13557



Relieving



Non-Relieving

Materials of Construction

Body: Machined Aluminum

Bonnet: Aluminum

Adjustment Screw: Zinc Plated Steel

Poppet Valve: Brass

Poppet Spring: Stainless Steel

Poppet Seat: Brass

Diaphragm Assembly: Buna-N

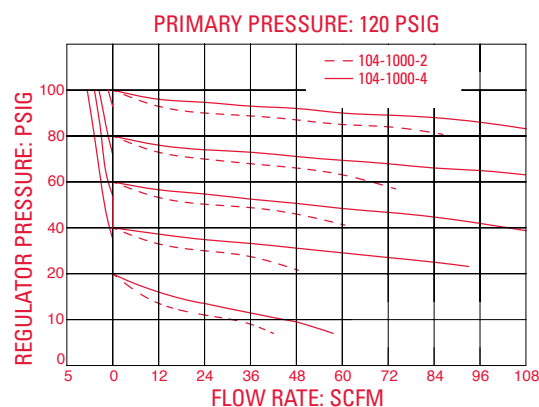
(Fluorocarbon available) and Brass

Seals: Buna-N (Fluorocarbon available)

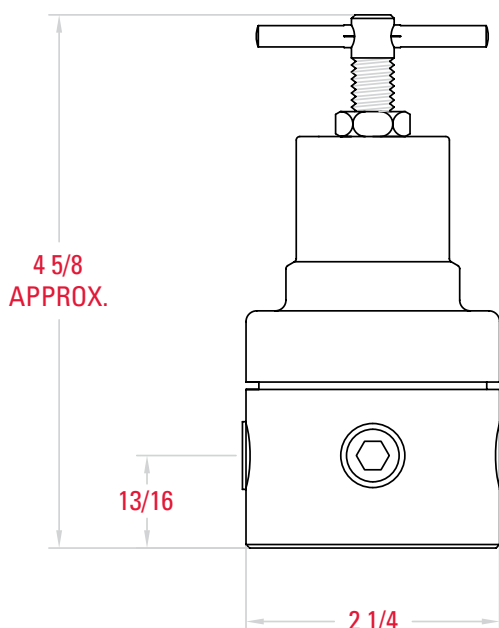
Compression Spring: Zinc Plated Steel

Spring Guide: Zinc Plated Steel

Flow Characteristics



Dimensions



Ordering Information

104-1000-2

Thread Options	
Unthreaded Bonnet	4
Threaded bonnet w/ Nuts	5
Threaded Bonnet w/ Bracket and Nuts	6

Gauge Ports	
Yes	0
No	1

Pressure	
10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N	Blank
Fluorocarbon	V

Attachment Parts

Gauge	G
Knob	K

Tamperproof

Tamperproof (Lock & Key)	T
Preset	P
Preset & Tamperproof (Lock & Key)	PT

REGULATORS: 104C-1000 Standard Series



Features

- Provides regulated pressure when flowing inlet to outlet
- Built-in check valve allows unrestricted reverse flow
- Allows regulator to be placed between valve and actuator to regulate cylinder ports independently
- Same accuracy, repeatability and responsiveness as standard 104-1000 regulators

Operating Specifications

Gauge Ports: 1/4" NPT (Standard)
Maximum Inlet Pressure: 250 PSIG
Temperature Rating: Aluminum Bonnet: 0-175°F
Weight: 430 g

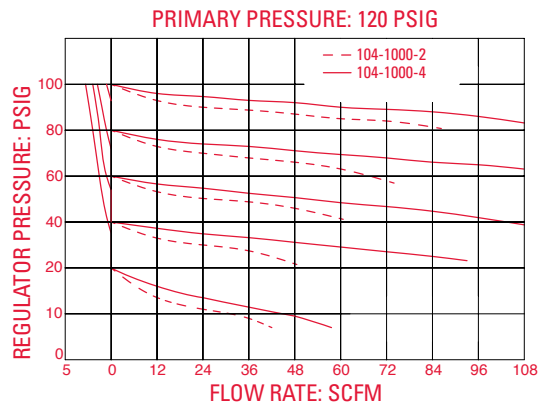
Accessories & Kits

Panel Nuts: 11124 (105 & 106)
Repair Kit: (Relieving) 11513;
 (Relieving -1006) 11959;
 (Non-Relieving) 11515;
 (Non-Relieving-1007) 11958
Bracket: 11122 (105 & 106); 11543 (104)
Constant Bleed Fitting: (1/4") 13557

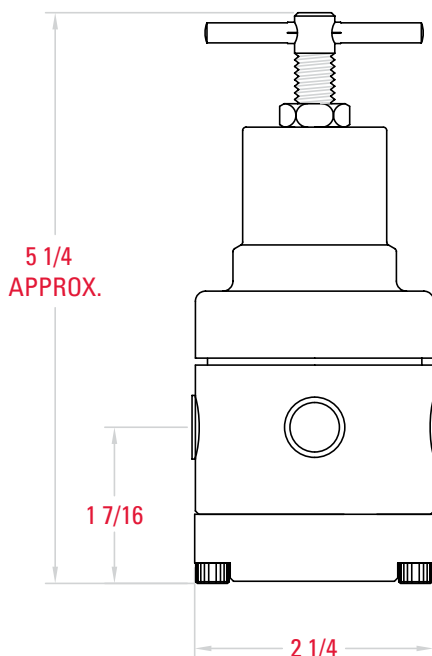
Materials of Construction

Body: Machined Aluminum
Bonnet: Aluminum
Adjustment Screw: Zinc Plated Steel
Poppet Valve: Brass
Poppet Spring: Stainless Steel
Poppet Seat: Brass
Diaphragm Assembly: Buna-N and Brass
 (Fluorocarbon available)
Seals: Buna-N (Fluorocarbon available)
Compression Spring: Zinc Plated Steel
Check Valve Ball: Buna-N (Fluorocarbon Available)
Check Valve Spring: Stainless Steel
Check Valve Cover: Machined Aluminum

Flow Characteristics



Dimensions



Ordering Information

104C-1000-2

Thread Options	
Unthreaded Bonnet	4
Threaded bonnet w/ Nuts	5
Threaded Bonnet w/ Bracket and Nuts	6

Pressure	
10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N	Blank
Fluorocarbon	V

Attachment Parts

Gauge	G
Knob	K

Tamperproof

Tamperproof (Lock & Key)	T
Preset	P
Preset & Tamperproof (Lock & Key)	PT

REGULATORS: 108-1000 Standard Series



Features

- Convenient push to lock knob design
- Acetal bonnet and knob
- Mounting nut comes standard
- Diaphragm design for minimal hysteresis and greater responsiveness
- Black anodizing standard (other colors available)
- Machined aluminum body
- Can be ordered with gauge

Operating Specifications

Gauge Ports: 1/4" NPT (Standard)
Maximum Inlet Pressure: 250 PSIG
Temperature Rating: Aluminum Bonnet: 0-175°F
Weight: 522g

Materials of Construction

Body: Machined Aluminum
Bonnet: Glass Filled Acetal
Knob, Adjuster & Mounting Nut: Acetal
Diaphragm Gasket: Acetal
Spring Guide: Machined Aluminum
Seat: Brass
Poppet Assembly: Brass
Seals: Buna-N (Fluorocarbon available)
Compression Spring: Zinc Plated Steel
Poppet Spring: Stainless Steel



Relieving



Non-Relieving

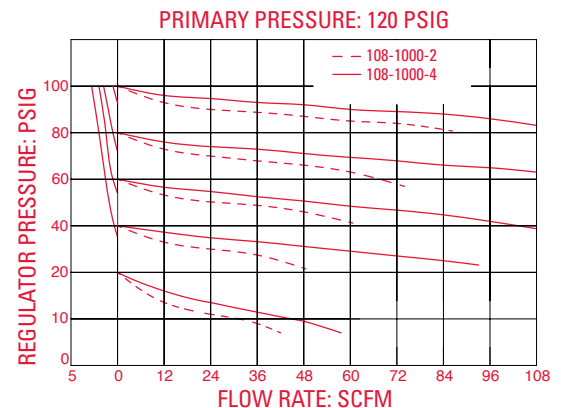
Accessories & Kits

Mounting Bracket: 11430

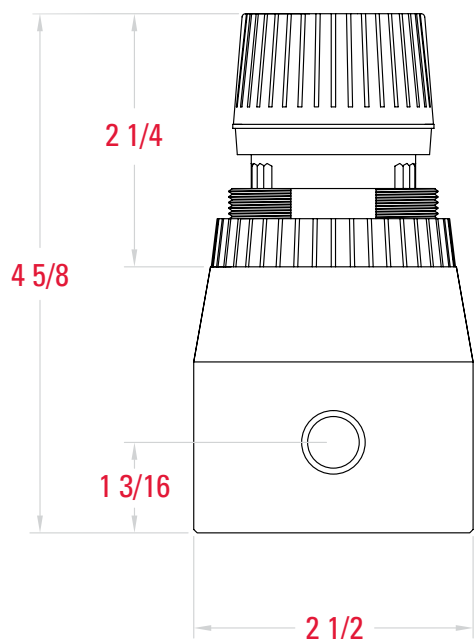
REGULATOR KITS	0-50 PSI	0-150 PSI
Relieving (1/4 & 3/8):	11472	11470
Non-Relieving (1/4 & 3/8):	11473	11471

REGULATOR KITS	0-50 PSI	0-150 PSI
Relieving (1/2):	11482	11480
Non-Relieving (1/2):	11483	11481

Flow Characteristics



Dimensions



Ordering Information

108-1000-4

Pressure Range	
0-150 Relieving	0
0-150 Non-Relieving	1
0-50 Relieving	2
0-150 Non-Relieving	3

OPTIONS	
Anodizing	
Black	Blank
Blue	A1
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Preset	P
Attachment Parts	
Gauge	G
Bracket	B
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V

Pipe Size	
1/4	-2
3/8	-3
1/2	-4

REGULATORS: 101-1000 Standard Series



Features

- Machined aluminum body provides close tolerances for exceptional accuracy, repeatability and responsiveness
- Diaphragm style regulator for minimal hysteresis and greater responsiveness
- Constant bleed fitting available for even greater accuracy
- Relieving and non-relieving versions available
- Gauge port plugs included
- Available with T-handle, knob or lock and key mechanism
- Available with 1/2" and 3/4" ports

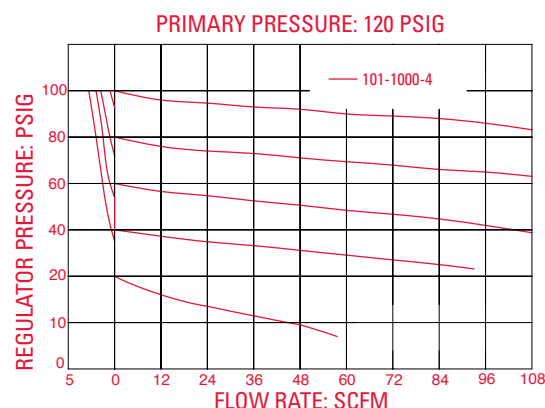
Materials of Construction

Body: Machined Aluminum
Diaphragm Assembly: Buna-N (Fluorocarbon Available) and Brass
Compression Spring: Spring Steel
Bonnet: Aluminum
Poppet Seat: Brass
Poppet Valve: Brass
Adjustment Screw: Plated Steel
T-Handle: Zinc Plated Steel
Knob: Plastic
Spring Guide: Zinc Plated Steel

Operating Specifications

Gauge Ports: 1/4" NPT (Standard)
Maximum Inlet Pressure: 250 PSIG
Temperature Rating: Aluminum Bonnet: 0-175°F
Weight: 522g

Flow Characteristics



Accessories & Kits

Panel Nuts: 11124 (102 & 103)
Repair Kit:
 (Relieving) 11544
 (Non-Relieving) 11565
 (Relieving-1006) 11545
 (Non-Relieving-1007) 11546
Constant Blend Fitting: 13557

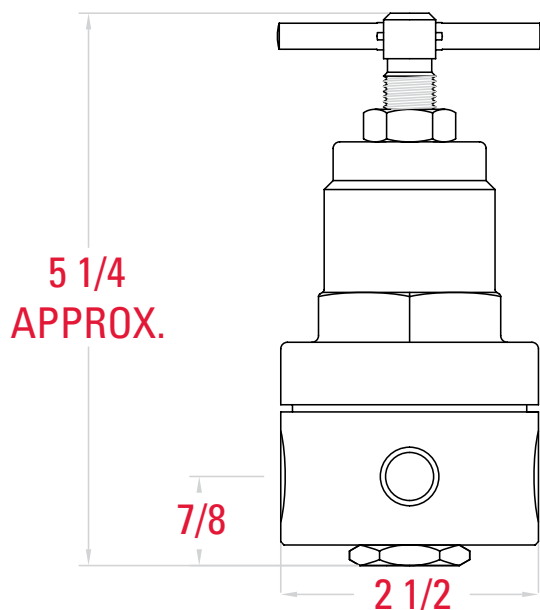


Relieving



Non-Relieving

Dimensions



Ordering Information

101-1000-4

Bonnet	
Unthreaded Bonnet	1
Threaded bonnet w/ Nuts	2
Threaded Bonnet w/ Bracket and Nuts	3

Pressure	
10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07
1-10 Relieving	08
1-10 Non-Relieving	09

Pipe Size	
1/2"	4
3/4"	6

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N	Blank
Fluorocarbon	V

Attachment Parts

Gauge	G
Knob	K

Tamperproof

Tamperproof (Lock & Key)	T
Preset	P
Preset & Tamperproof (Lock & Key)	PT

REGULATORS: 116-4000/5000 Heavy Duty Series



Relieving



Non-Relieving

Features

- Pipe size between 3/4" and 1-1/2"
- Machined aluminum body provides close tolerances for exceptional accuracy, repeatability and responsiveness.
- Piston style regulator
- Relieving and non-relieving versions available
- Gauge port plugs included
- Available with T-handle, knob or lock and key mechanism
- Preset and tamperproof options available
- Gauges available
- Constant bleed fitting available for even greater accuracy

Operating Specifications

Gauge Ports: two 1/4" NPT (Standard)

Maximum Inlet Pressure: 250 PSIG

Temperature Rating: Aluminum Bonnet: 0-175°F

Weight:

(116-4000): 1520 g

(116-5000): 1428 g

Accessories & Kits

Panel Nuts: (w/ 117 only) 11125

Repair Kit: 14520

Constant Bleed Fitting: 13557

Materials of Construction

Body: Machined Aluminum

Piston Assembly: Machined Aluminum

Compression Spring: Spring Steel

Bonnet: Aluminum

Poppet Seat: Brass **Poppet Valve:** Brass

Adjustment Screw: Zinc Plated Steel

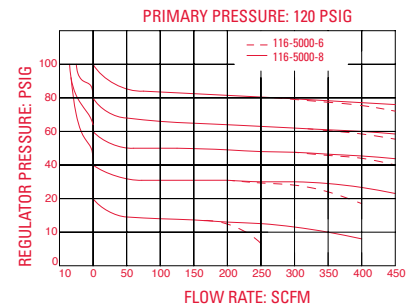
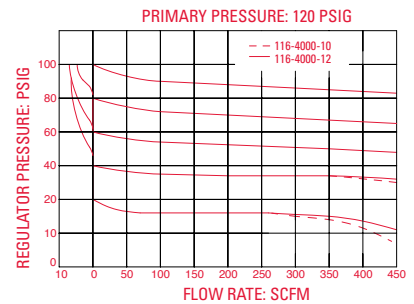
T-Handle: Zinc Plated Steel

Locking Nut: Zinc Plated Steel

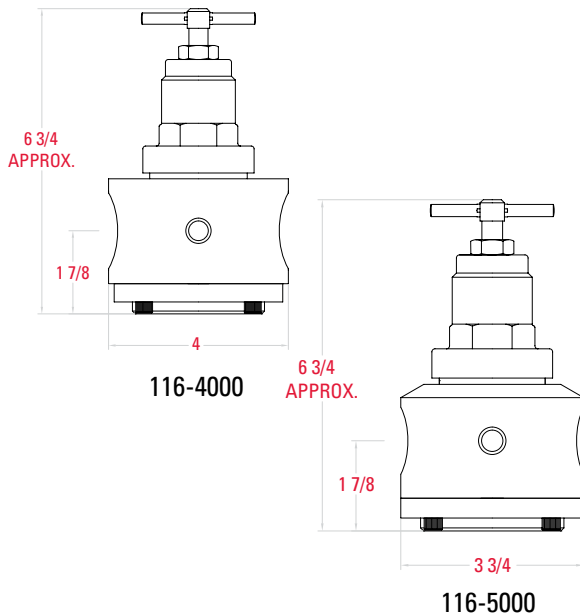
Spring Guide: Zinc Plated Steel

Knob: Plastic

Flow Characteristics



Dimensions



Ordering Information

116-5000-6

Thread Options

Pipe Mounting (unthreaded)	6
Bracket Mounting (threaded)	7

Body Size

1 1/4", 1 1/2"	4
3/4", 1"	5

Pressure

10-130 Relieving	00
10-130 Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07

Pipe Size

3/4"	6
1"	8
1 1/4"	10
1 1/2"	12

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N (Standard)	Blank
Fluorocarbon	V

Attachment Parts

Gauge	G
Knob	K

Tamperproof

Tamperproof (Lock & Key)	T
Preset	P
Preset & Tamperproof (Lock & Key)	PT

REGULATORS: Iso-Size Manifold Mount Series



Relieving



Non-Relieving

Features

- Manifold mount regulators sized to ISO specifications
- Available with polycarbonate or aluminum bonnets
- Adapter plates available for mounting regulator to your manifold or sandwich block
- Manifolds available - call factory for details

Operating Specifications

SIZE	1	2	3
Inlet Hole:	3/8"	11/16"	13/16"
Outlet Hole:	(2) 1/4"	(2) 7/16"	(2) 7/16"
Mounting Threads:	10-32 UNF	10-32 UNF	1/4-20 UNF
Maximum Temperature:	175°F	175°F	175°F
Maximum Inlet Pressure:	250 PSI	250 PSI	250 PSI

Accessories & Kits

SIZE	1	2	3
Repair Kit:	11716	11716	11736
Mounting Kits:	11708	11718	11733

Materials of Construction

Body: Aluminum
Bonnet: Polycarbonate or Aluminum
Adjusting Screw: Zinc Plated Steel
Locking Nut: Zinc Plated Steel
Spring Guide: Zinc Plated Steel
Poppet Valve Guide: Brass
Poppet Valve Spring: Stainless Steel
Valve Seat: Brass
Seals: Buna-N (Fluorocarbon available)
Compression Spring: Spring Steel
Piston: Aluminum

Ordering Information

R 01-10 A

Gauge Ports	
Yes	0
No	1

Body Size	
Size 1	1
Size 2	2
Size 3	3

Pressure	
10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving (metal bonnet only)	6
20-250 Non-Relieving (metal bonnet only)	7

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Seals	
Buna-N	Blank
Fluorocarbon	V
Attachment Parts	
Knob (Aluminum Bonnet only)	K

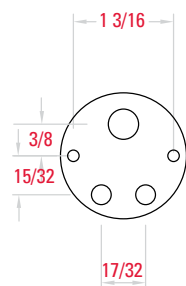
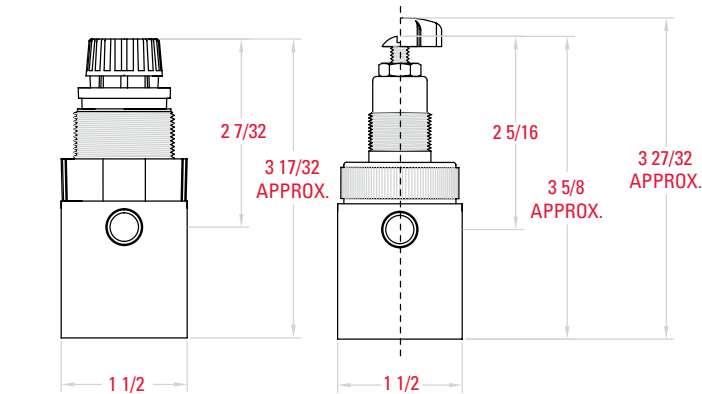
Bonnet	
Aluminum Bonnet	A
Polycarbonate Bonnet (Size 1 & 2 only)	P

REGULATORS: Iso-Size Manifold Mount Series

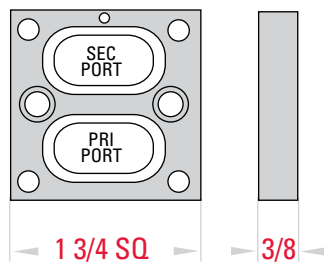
SIZE 1

PLASTIC BONNET

ALUMINUM BONNET



Adaptor Plate Kit

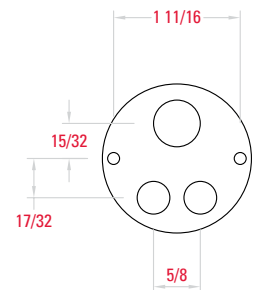
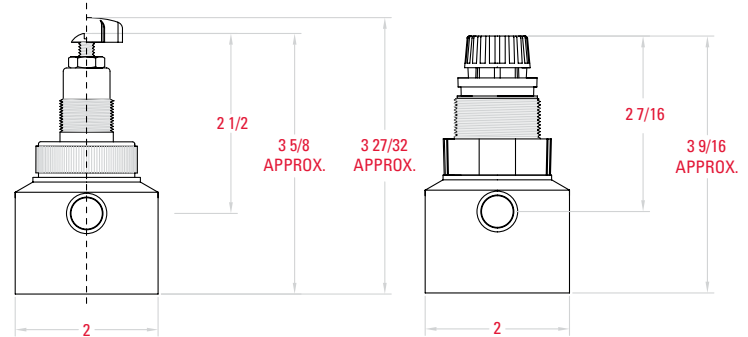


Order Part Number 11708

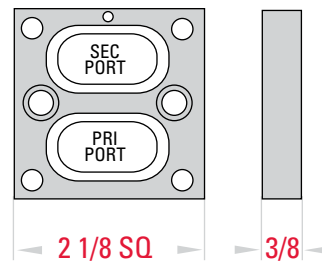
SIZE 2

ALUMINUM BONNET

PLASTIC BONNET



Adaptor Plate Kit

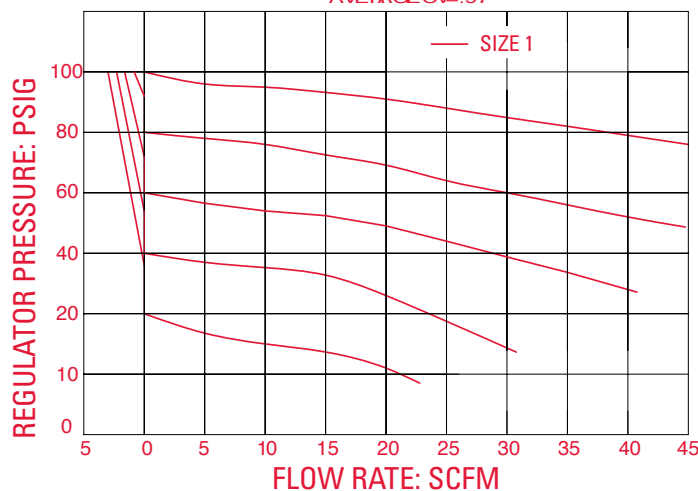


Order Part Number 11718

Flow Characteristics

PRIMARY PRESSURE: 120 PSIG

AVERAGE Cv=.97



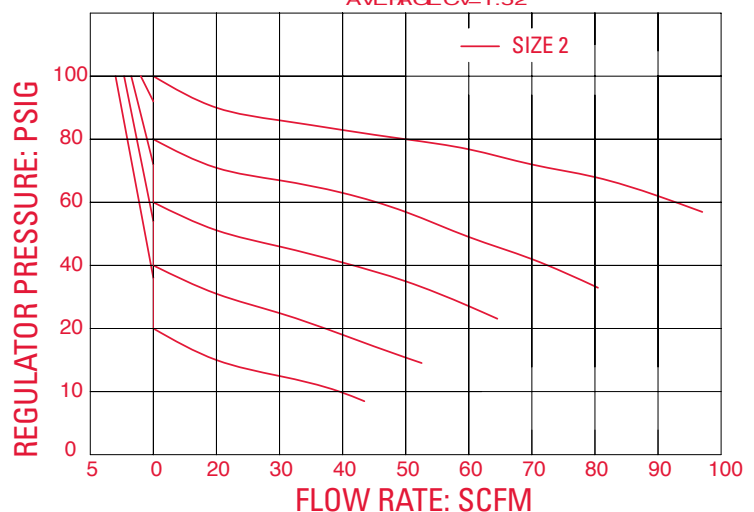
INVERSE PRESSURE EFFECT

For each 25 PSI primary pressure change, the secondary pressure reacts inversely 1 PSI.

Flow Characteristics

PRIMARY PRESSURE: 120 PSIG

AVERAGE Cv=1.52

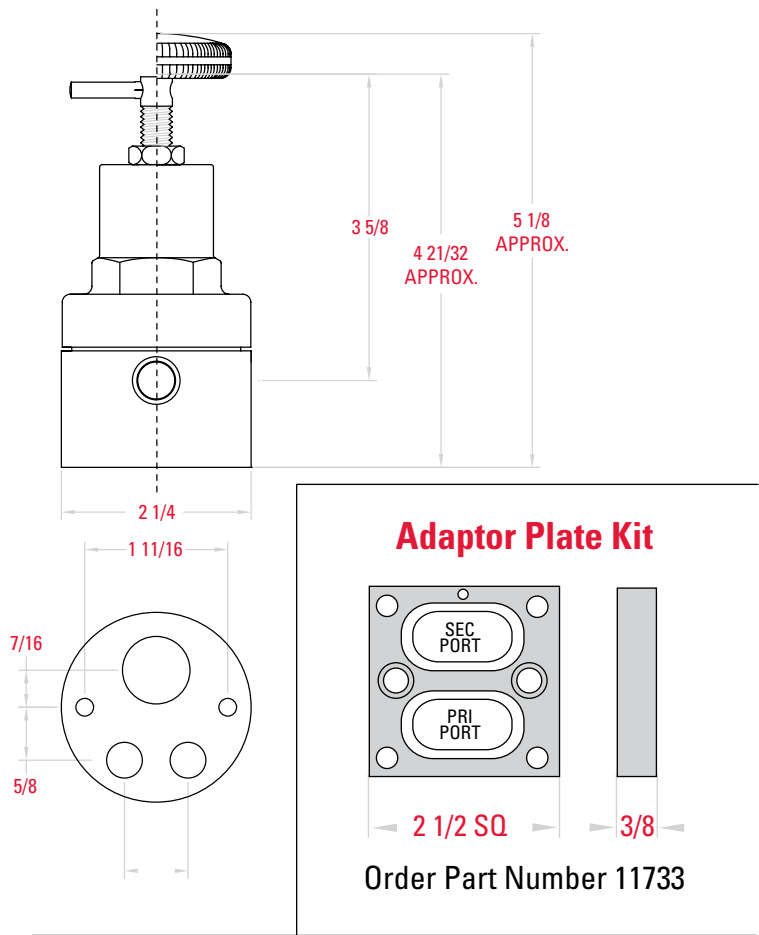


INVERSE PRESSURE EFFECT

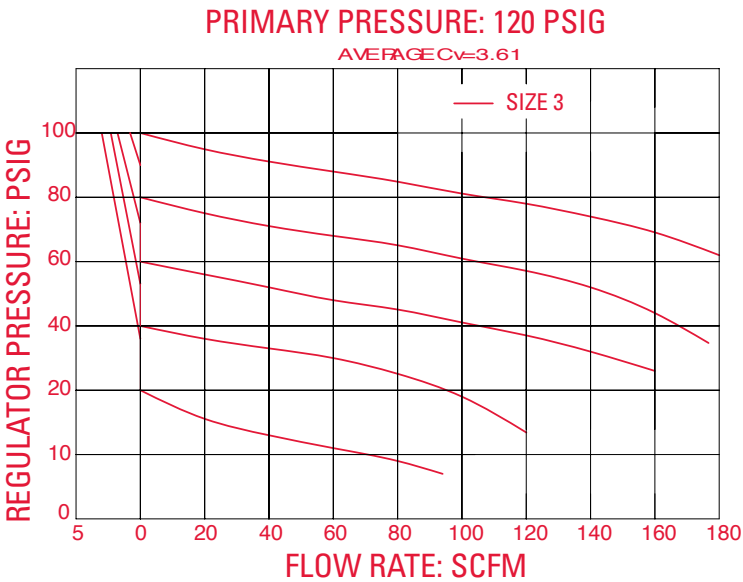
For each 50 PSI primary pressure change, the secondary pressure reacts inversely 1 PSI.

SIZE 3

ALUMINUM BONNET



Flow Characteristics



INVERSE PRESSURE EFFECT

For each 50 PSI primary pressure change, the secondary pressure reacts inversely 1 PSI.

REGULATORS: 118-3000/1000 Pilot Operated Pressure Series



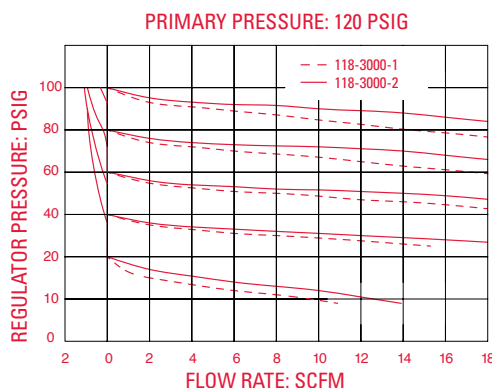
Features

- Piston over diaphragm actuation for fast response and compact design
- Large flows with negligible pressure drop
- Two 1/4" NPT gauge ports
- 1/4" NPT pilot port

Operating Specifications

Maximum Pressure: 250 PSI
Temperature: 0-175°F
Pilot Port: 1/8" NPT (3000 Series)
 1/4" NPT (1000 Series)
Gauge Port: 1/8" NPT (3000 Series)
 1/4" NPT (1000 Series)

Flow Characteristics

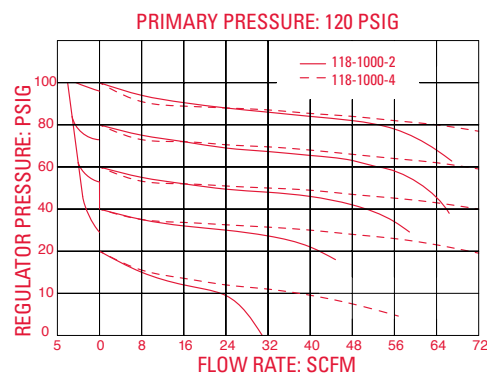


Materials of Construction

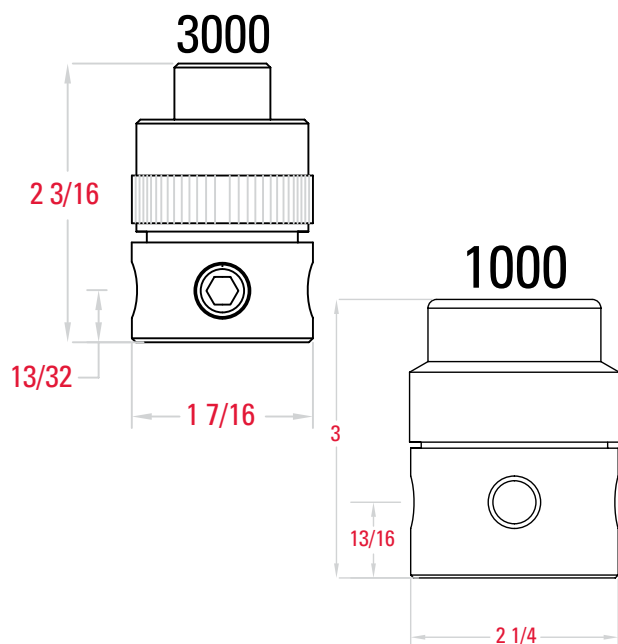
Body: Machined Aluminum
Piston: Machined Aluminum
Air Cap: Machined Aluminum
Poppet:
 3000 Series: Buna-N (Fluorocarbon Available)
 1000 Series: Brass
Poppet Seat:
 3000 Series: Nylon; 1000 Series: Brass
Poppet Seal: Buna-N (Fluorocarbon Available)
Diaphragm: Buna-N (Fluorocarbon Available)

Accessories & Kits

3000 Series Repair Kit:
 13532 (Relieving); 13533 (Non-Relieving)
1000 Series Repair Kit:
 Relieving-11536, Non-Relieving-11535
Mounting Nut (3000 Series only): 13025



Dimensions



Ordering Information

118-1000-4

Body Size	
Standard (1/4", 3/8", 1/2")	1
Miniature (1/8", 1/4")	3

Gauge Ports	
Yes	0
No (3000 Only)	1

Pipe Size	
1/8" (3000 Series Only)	1
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N	Blank
Fluorocarbon	V

Attachment Parts

Gauge	G
-------	---

REGULATORS: 118-5000/4000 Pilot Operated Pressure Series

Features

- Piston over piston actuation for fast response and compact design
- Large flow with negligible pressure drop

Operating Specifications

Maximum Pressure: 250 PSI
Temperature: 175°F
Pilot Port: 1/4" NPT
Gauge Ports: 1/4" NPT

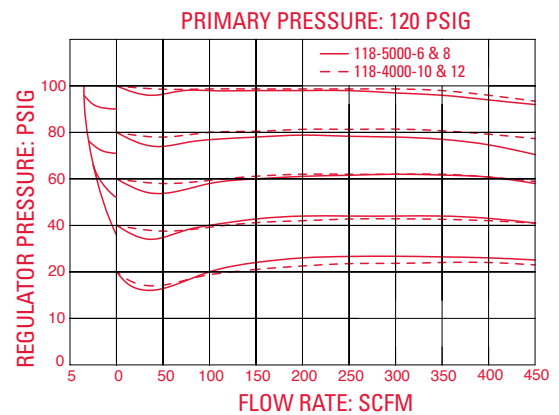
Accessories & Kits

Repair Kit: 14516

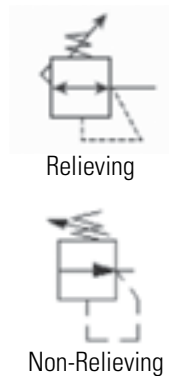
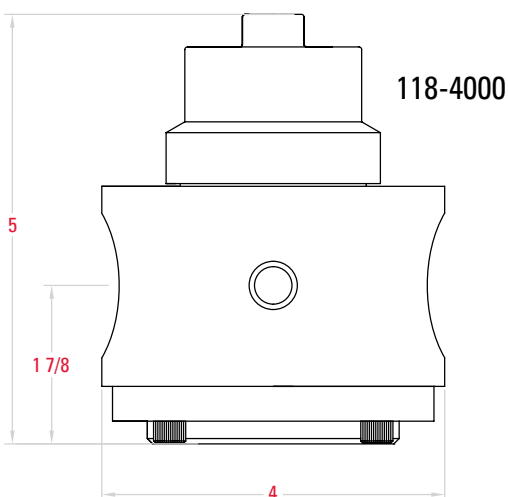
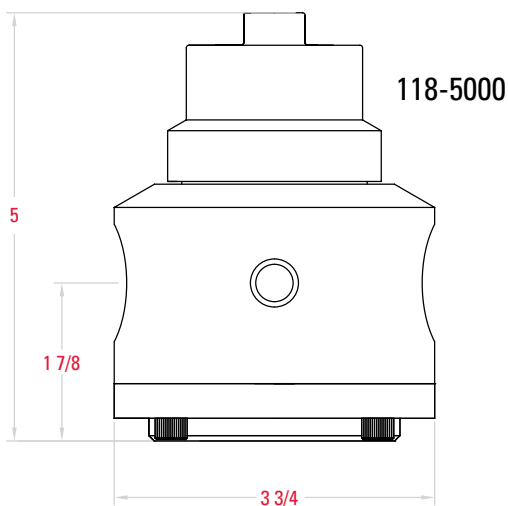
Materials of Construction

Body: Machined Aluminum
Bonnet: Machined Aluminum
Piston: Machined Aluminum
Air Cap: Machined Aluminum
Screws: Zinc Plated Steel
Seals: Buna-N (Fluorocarbon Available)
Poppet Spring: Stainless Steel
Poppet Seat: Brass
Poppet Valve: Brass

Flow Characteristics



Dimensions



Ordering Information

118-4000-6

Series	
5000 (3/4" & 1")	5
4000 (1 1/4" & 1 1/2")	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N	Blank
Fluorocarbon	V

Attachment Parts

Gauge	G
-------	---

Pipe Size

3/4"	6
1"	8
1 1/4"	10
1 1/2"	12

REGULATORS: 101-0500 Subminiature Series



Features

- Specifically designed for use with low-volume air flows or for dead-end service
- Ideal where space is at a premium
- True instrumentation quality
- Lightweight compact design
- Excellent repeatability
- Available as pilot operated

Operating Specifications

Maximum Pressure: 250 PSI

Temperature: 0-175°F

Materials of Construction

Body: Anodized Aluminum

Bonnet: Anodized Aluminum

Spring: Spring Steel

Adjustment Knob & Screw: Plastic and Plated Steel

Stem: Brass

Tube Fittings: Brass

Seals: Buna-N (Fluorocarbon Available)

Panel Nut: Plated Steel

Spring Guide: Zinc Chromate Plated Steel

Poppet Spring: Stainless Steel

Poppet Valve: Buna-N (Fluorocarbon Available)

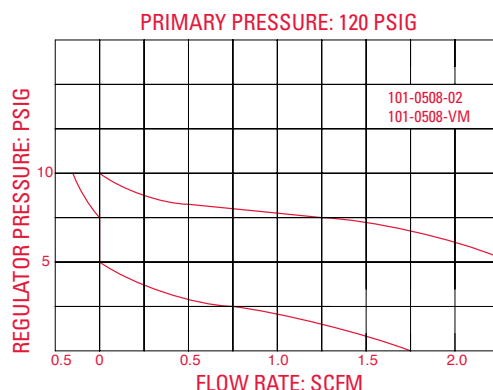
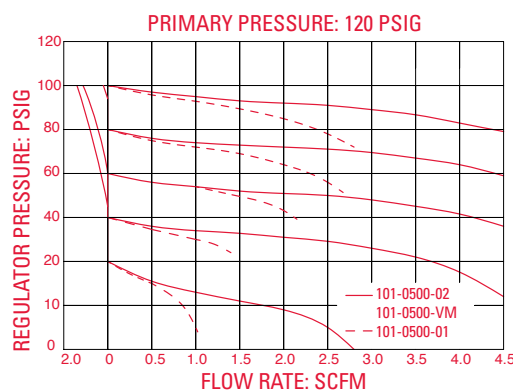
Accessories & Kits

Repair Kit: 10502

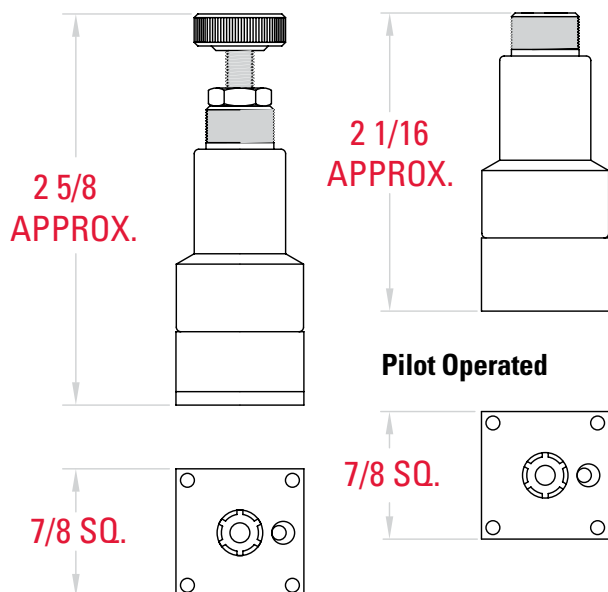
Panel Nut: 10015

Gasket Mounting Kit: 10514 (VM option only)

Flow Characteristics



Dimensions



Ordering Information

101-0500-01

Adjustment Style

Compression Spring (standard)	01
Pilot Operated	18

Pressure Range

0-100 Relieving	00
0-100 Non-Relieving	01
0-25 Relieving	04
0-25 Non-Relieving	05
1-10 Relieving	08
1-10 Non-Relieving	09

Connection Type

1/16 ID Tubing Fitting	01
1/8 ID Tubing Fitting	02
Sub-base Mounted	VM

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N	Blank
Fluorocarbon	V

Tamperproof

Preset	P
Preset & Tamperproof	PT

REGULATORS: UL Label Series

Features

- Monnier UL Label Regulators give the assurance of a UL-listed product
- Available in both miniature and standard sizes
- Excellent for use in dry fire sprinkler systems
- Same features as standard regulators (flow, dimensions, etc.)

Accessories & Kits (104-1000)

Panel Nuts: 11124 (105 & 106)

Repair Kit:

(Relieving) 11513

(Relieving-1006) 11959;

(Non-Relieving) 11515

(Non-Relieving-1007) 11958

Bracket: 11122 (105 & 106); 11543 (104)

Constant Bleed Fitting: (1/4") 13557

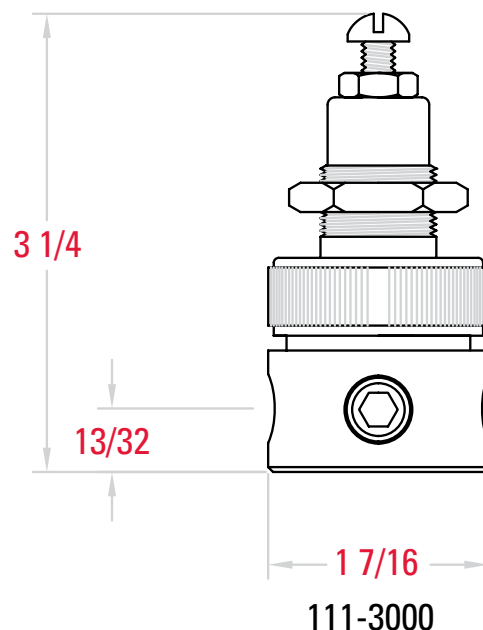
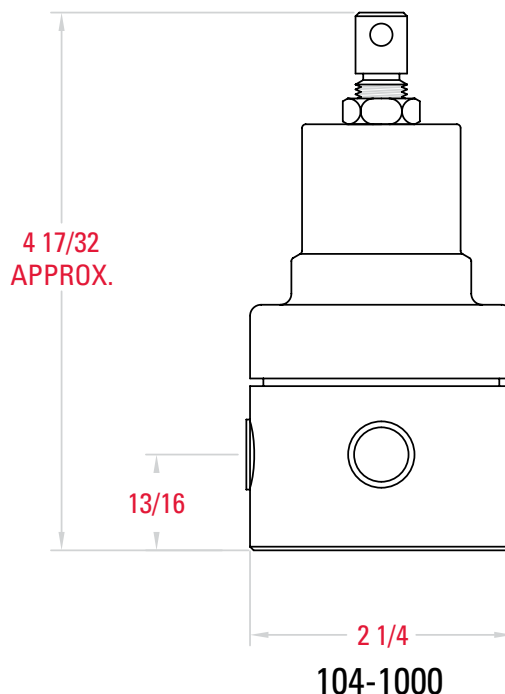
Accessories & Kits (111-3000)

Repair Kit:

(Relieving) 13532

(Non-Relieving) 13583

Dimensions



Ordering Information

111-3000-1UL

Pressure Range	
10-130 Relieving	00
5-60 Relieving	02

Options	
Adjustment Knob	K

Pipe Size	
1/8"	1
1/4"	2

104-1000-2UL

Pressure Range	
10-130 Relieving	0
5-60 Relieving	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4



Relieving

REGULATORS: 104-3101 Relief Valves



Features

- Available in 1/8" through 1/4" NPT
- Prevent over pressurization of downstream components

Operating Specifications

Gauge Ports: 1/8" NPT
Maximum Inlet Pressure: 250 PSIG
Temperature Range: 0-175°F

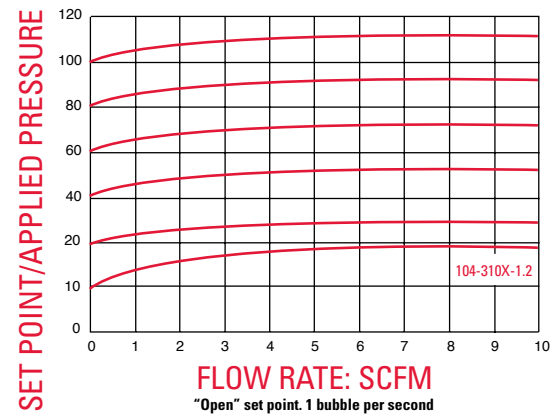
Accessories & Kits

Panel Nuts:
 13133 (104-3100 Series)
 13025 (114/106-3100 Series)
Bracket Kits:
 13536 (104-3100 Series)
 13534 (114/106-3100 Series)
Service Kits:
 13532 (Relieving)

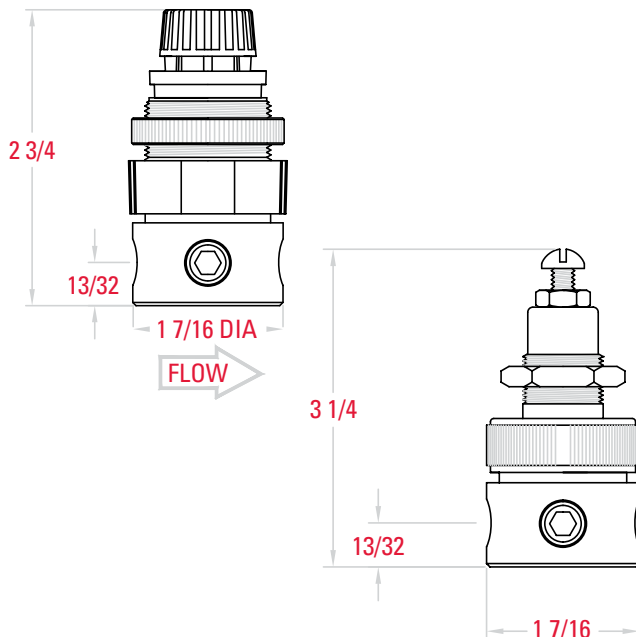
Materials of Construction

Body, Seat: Machined Aluminum
Bonnet:
 104-3100: Polycarbonate
 114/106-3100: Aluminum
Adjustment Screw:
 101-3000: Black Oxide Coated Steel
 111/102-3000: Zinc Plated Steel (102 series)
Diaphragm: Brass, Buna-N (Fluorocarbon available)
Seals: Buna-N (Fluorocarbon available)
Bracket: Zinc Plated Steel
Panel Nut: Machined Aluminum

Flow Characteristics



Dimensions



Ordering Information

104-3101-2

Bonnet	
Plastic Bonnet	04
Aluminum Bonnet (Panel Mounting)	06
Aluminum Bonnet (Pipe Mounting)	14

Gauge Ports	
Yes	0
No	1

Pressure Range	
10-130	1
5-60	3
3-30	5
20-250	7
1-10	9

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Seals

Buna-N (standard)	Blank
Fluorocarbon	V

Pipe Size

1/8"	1
1/4"	2



Lubricators

Many pneumatic components require oil lubrication for proper operation and long service life. The proper use of a lubricator can greatly extend the life of expensive downstream pneumatic machinery. Monnier lubricators are used to maintain the proper ratio of oil and air in order to maximize the performance of pneumatic machinery.

Monnier lubricators are available in pipe sizes between 1/8 and 1 1/2" NPT and bowls between 1 and 32 ounces.

Optional Components

Tamperproof Capability: Each Monnier lubricator is supplied with a 3/16" diameter ball that may be pressed into the top of the sight dome adjustment area after the oil rate is set. This prevents any further adjustment by unauthorized personnel.

Quick Fill Option: A quick fill fitting may replace the fill plug to allow the user to pump lubricant into the bowl.

Anodizing: Units can be anodized any of 8 colors (Colors available: blue, black, clear, green, red, yellow, gold and purple).

Mounting Holes: Mounting holes are options that can be incorporated into any of the lubricators.

Bowl Options: Polycarbonate bowls, aluminum bowls, sight levels, and bowl guards are available depending on the product family.

Knurled Adjustment Knob: To add a knurled adjustment knob on any lubricator, change the seventh number from "0" to "2".

Ex: 304-1002-2.

Specifications

Maximum Pressure:

Polycarbonate Bowls: 150 PSI

Metal Bowls: 250 PSI

Maximum Temperature:

Polycarbonate Bowls: 120°F

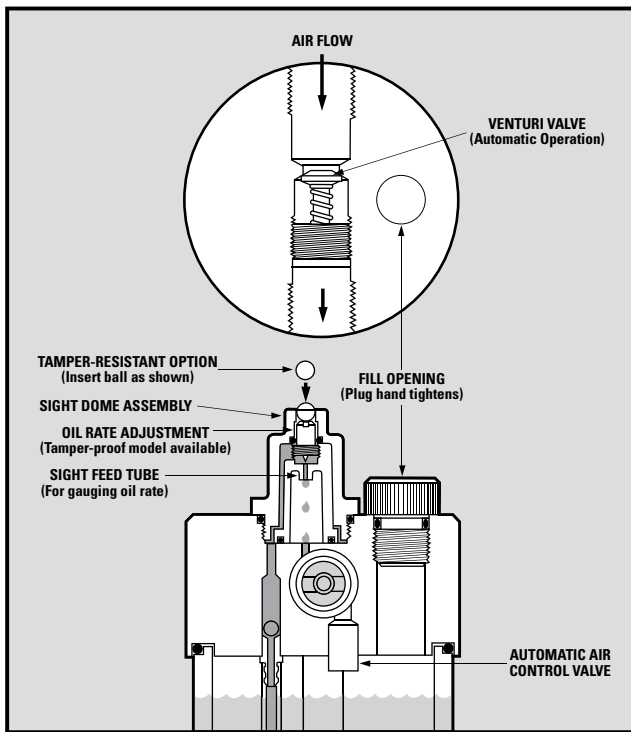
Metal Bowls: 200°F

Pipe Size:

1/8"-1-1/2" NPT

TABLE OF CONTENTS

3000 Miniature Series	1/8 & 1/4	42
2000 Compact Series	1/4, 3/8 & 1/2	43
305-1000 Standard Series	1/4, 3/8 & 1/2	44
304-1000 Standard Series	1/4, 3/8 & 1/2	45
304-4000 Large Capacity Series	1/4, 3/8 & 1/2	46
303-5000 Large Capacity Series	3/4 & 1	47
303-4000 Large Capacity Series	3/4, 1, 1 1/4 & 1 1/2	48



Caution

Bowl guards are recommended on all polycarbonate bowl filters! All bowl guards are made of heavy-duty stainless steel.

Warning

Polycarbonate bowls can be damaged and may fail if they are exposed to or come in contact with solvents, strong alkalies, fire resistant and/or synthetic compressor lubricants.

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

LUBRICATORS: 305-3000 Miniature Series



Features

- Standard and low flow options available
- Stainless steel ball supplied with every lubricator to provide tamperproof capability
- Polycarbonate bowl or metal bowls available
- Bowl guard available with polycarbonate bowl

Operating Specifications

Bowl Capacity: 1 oz.
Maximum Pressure Ratings:
 - Metal Bowl: 250 PSI
 - Polycarbonate Bowl: 150 PSI
Temperature Ratings:
 - Metal Bowl: 0-200°F
 - Polycarbonate Bowl: 0-120°F
Weight: 136 g

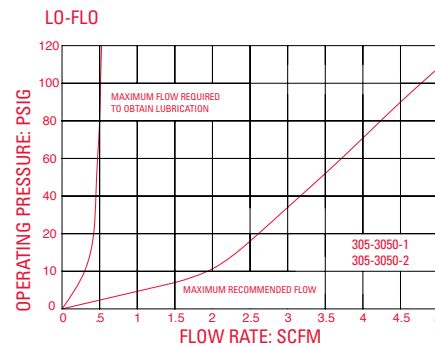
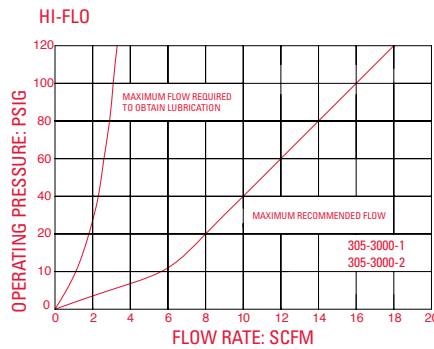
Materials of Construction

Lubricator Head: Machined Aluminum
Bowl: Polycarbonate or Machined Aluminum
Capacity Valve: Acetal
Capacity Valve Spring: Stainless Steel
Retainer: Zinc Dichromate Plated Steel
Adaptor Tube: Brass
Stem Relief Tube: Brass
Tamperproof Ball: Stainless Steel
Sight Dome: Polycarbonate or Trogamid
Oil Pick-Up Tube: Polyethylene
Bowl Guard: Stainless Steel
Oil Fill Plug: Machined Aluminum
Seals: Buna-N (Fluorocarbon Available)

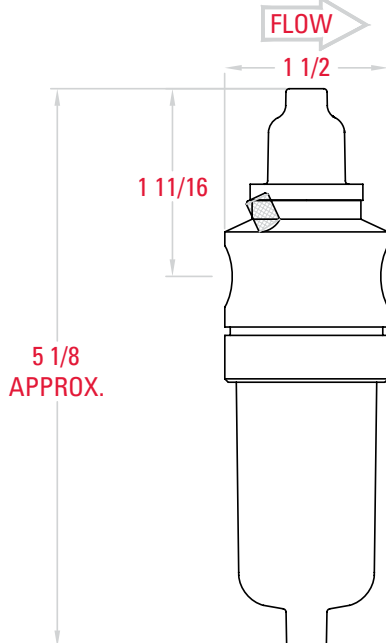
Accessories & Kits

Bowl Kits: Polycarbonate: 33509
 Metal: 33540
Sight Dome Kit: 31535 (Polycarbonate)
 31537 (Trogamid)

Flow Characteristics



Dimensions



Ordering Information

305-3000-1

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Flow	
Standard	0
Low-Flow	5

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	MD
Seals	
Buna-N	Blank
Fluorocarbon	V
Mounting Hole	
Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS
Sight Level and Dome	
Polycarbonate	Blank
Trogamid	T

LUBRICATORS: 304-2000 Compact Series



Features

- Automatic air control valve allows lubricator to be filled while in operation
- Compact size with five ounce bowl
- Stainless steel ball supplied with every lubricator to make any slotted screw adjusting lubricator tamperproof
- Quick fill option via a "Q" fitting in the lubricator head or base of the bowl
- Polycarbonate bowl or metal bowl available
- Bowl guard available with polycarbonate bowl
- Sight level available with metal bowl
- Tie-rod construction

Operating Specifications

Bowl Capacity: 5 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kits:

Polycarbonate: 22520

Metal: 22537

Metal with Sight Level:

22521 (Polycarbonate) or 22521 (Trogamid)

Sight Dome:

31535 (Polycarbonate) or 31537 (Trogamid)

Materials of Construction

Lubricator Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Capacity Valve: Acetal

Spring: Stainless Steel

Oil Adaptor: Brass

Ferrule: Machined Aluminum

Seals: Buna-N (Fluorocarbon Available)

Tamperproof Ball: Stainless Steel

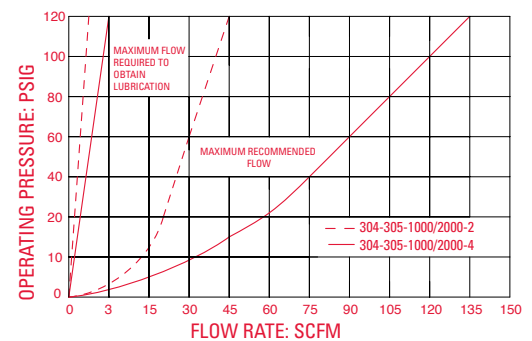
Sight Level and Sight Dome: Polycarbonate or Trogamid

Oil Pick-Up Tube: Polyethylene

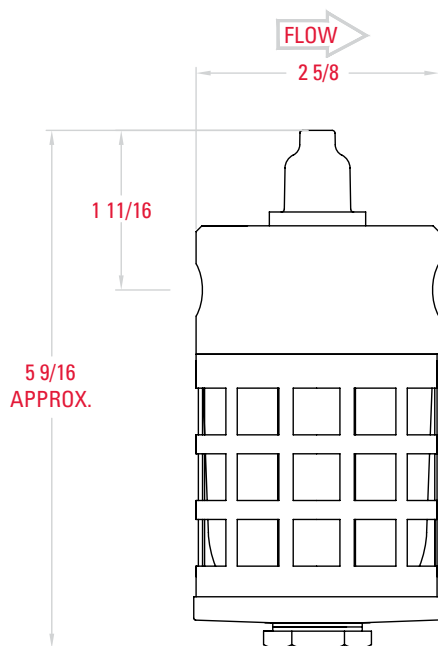
Bowl Guard: Stainless Steel

Oil Fill Plug: Machined Aluminum

Flow Characteristics



Dimensions



Ordering Information

304-2000-4

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

No Drain	Blank
Twist	MD

Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Level and Dome

Polycarbonate	Blank
Trogamid	T

Fill/Drain Options

Q Fitting on Head	QT
Q Fitting on Base of Bowl	QB

LUBRICATORS: 305-1000 Standard Series

Features

- Automatic air control valve allows lubricator to be filled while in operation
- Threaded bowl for ease of maintenance
- Quick fill option via a "Q" fitting in the lubricator head
- Stainless steel ball supplied with every lubricator to make any slotted screw adjusting lubricator tamperproof
- Polycarbonate or metal bowl available
- Bowl guard available with polycarbonate bowl
- Sight level available with metal bowl

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kits:

Polycarbonate: 31046

Metal: 31047

Metal w/Sight Levels:

31317 (Polycarbonate) or 31317 (Trogamid)

Sight Dome Kit:

31535 (Polycarbonate) 31537 (Trogamid)

Materials of Construction

Lubricator Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Capacity Valve: Acetal

Spring: Stainless Steel

Oil Adaptor: Brass

Ferrule: Machined Aluminum

Tamperproof Ball: Stainless Steel

Sight Levels and Sight Dome: Polycarbonate or Trogamid

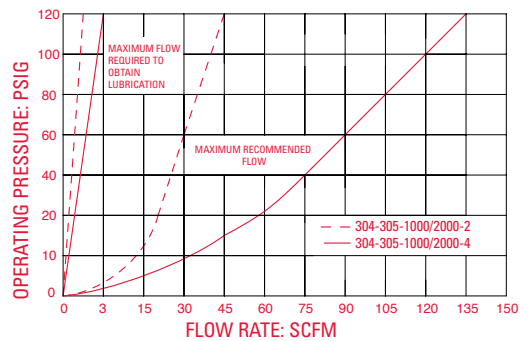
Oil Pick-Up Tube: Polyethylene

Bowl Guard: Stainless Steel

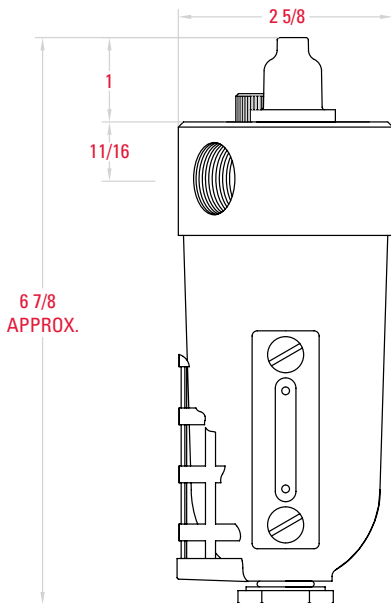
Oil Fill Plug: Machined Aluminum

Seals: Buna-N (Fluorocarbon Available)

Flow Characteristics



Dimensions



Ordering Information

305-1000-4

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

No Drain	Blank
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Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Level and Dome

Polycarbonate	Blank
Trogamid	T

Fill/Drain Options

Q Fitting on Head	QT
-------------------	----

LUBRICATORS: 304-1000 Standard Series



Features

- Automatic air control valve allows lubricator to be filled while in operation
- Stainless steel ball supplied with every lubricator to make any slotted screw adjusting lubricator tamperproof
- Quick fill option via a "Q" fitting in the lubricator head or base of the bowl
- Polycarbonate bowl or metal bowl available
- Bowl guard available with polycarbonate bowl
- Sight level available with metal bowl
- Tie-rod construction

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kits:

Polycarbonate: 21557

Metal: 21558

Metal with Sight Level:

21559 (Polycarbonate) or 21559 (Trogamid)

Sight Dome:

31535 (Polycarbonate) or 31537 (Trogamid)

Materials of Construction

Lubricator Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Capacity Valve: Acetal

Spring: Stainless Steel

Oil Adaptor: Brass

Ferrule: Machined Aluminum

Seals: Buna-N (Fluorocarbon Available)

Tamperproof Ball: Stainless Steel

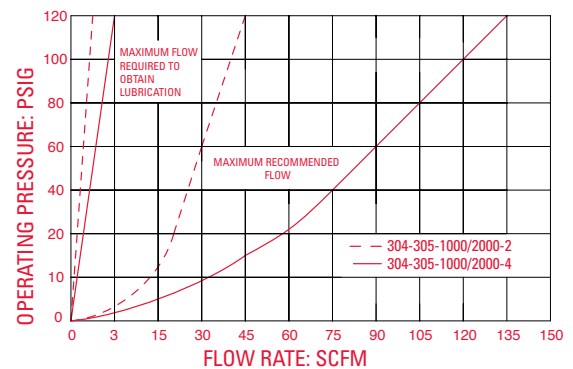
Sight Level and Sight Dome: Polycarbonate or Trogamid

Oil Pick-Up Tube: Polyethylene

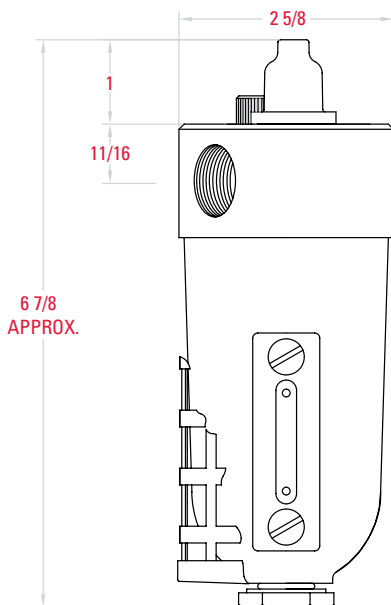
Bowl Guard: Stainless Steel

Oil Fill Plug: Machined Aluminum

Flow Characteristics



Dimensions



Ordering Information

304-1000-4

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

No Drain	Blank
Twist	MD

Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Level and Dome

Polycarbonate	Blank
Trogamid	T

Fill/Drain Options

Q Fitting on Head	QT
Q Fitting on Base of Bowl	QB

LUBRICATORS: 304-4000 Large Capacity Series



Features

- Automatic air control valve allows lubricator to be filled while in operation
- High flow capability with extended bowl
- Stainless steel ball supplied with every lubricator to make any slotted screw adjusting lubricator tamperproof
- Quick fill option via a "Q" fitting in the lubricator head or base of the bowl
- Polycarbonate bowl or metal bowl available
- Bowl guard available with polycarbonate bowl
- Sight level available with metal bowl
- Tie-rod construction

Operating Specifications

Bowl Capacity: 32 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kits:

Polycarbonate: 24555

Metal: 24558

Metal with Sight Level:
24559 (Polycarbonate) or 24559 (Trogamid)

Sight Dome:

31535 (Polycarbonate) or 31537 (Trogamid)

Materials of Construction

Lubricator Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Capacity Valve: Acetal

Spring: Stainless Steel

Oil Adaptor: Brass

Ferrule: Machined Aluminum

Seals: Buna-N (Fluorocarbon Available)

Tamperproof Ball: Stainless Steel

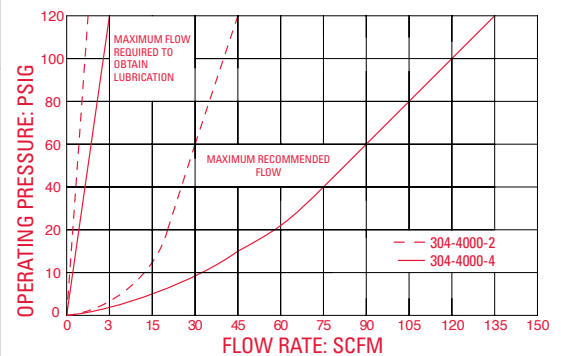
Sight Level and Sight Dome: Polycarbonate or Trogamid

Oil Pick-Up Tube: Polyethylene

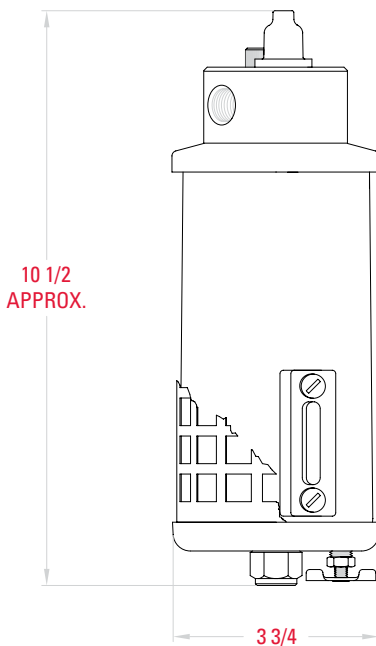
Bowl Guard: Stainless Steel

Oil Fill Plug: Machined Aluminum

Flow Characteristics



Dimensions



Ordering Information

304-4000-4

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

No Drain	Blank
Twist	MD

Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Level and Dome

Polycarbonate	Blank
Trogamid	T

Fill/Drain Options

Q Fitting on Head	QT
Q Fitting on Base of Bowl	QB

LUBRICATORS: 303-5000 Large Capacity Series



Features

- Automatic air control valve allows lubricator to be filled while in operation
- High flow capability with extended bowl
- Stainless steel ball supplied with every lubricator to make any slotted screw adjusting lubricator tamperproof
- Quick fill option via a "Q" fitting in the lubricator head or base of the bowl
- Polycarbonate bowl or metal bowl available
- Bowl guard available with polycarbonate bowl
- Sight level available with metal bowl
- Tie-rod construction

Operating Specifications

Bowl Capacity: 21 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kits:

Polycarbonate: 25557 - Metal: 25558

Metal with Sight Level: 25559 (Polycarbonate) or 25559 (Trogamid)

Seal Kit: 24560

Sight Dome:

31535 (Polycarbonate) or 31537 (Trogamid)

Materials of Construction

Lubricator Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Bowl Guard: Stainless Steel

Capacity Valve: Acetal

Cap Valve Spring: Bronze

Cap Valve Core: Brass

Check Valve Ball: Chrome Plated Steel

Ferrule: Machined Aluminum

Spring Pin: Steel

Tamperproof Ball: Stainless Steel

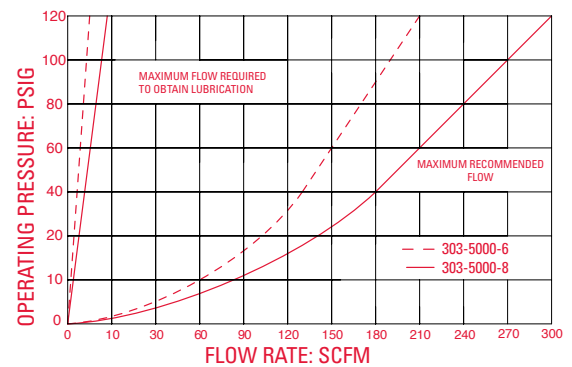
Sight Level and Sight Dome: Polycarbonate or Trogamid

Oil Pick-Up Tube: Polyethylene

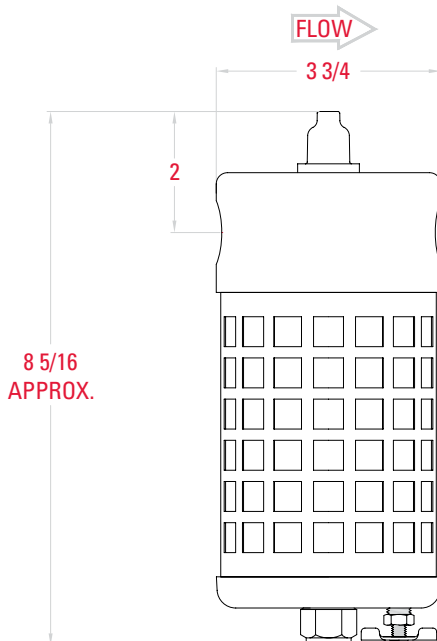
Oil Fill Plug: Machined Aluminum

Seals: Buna-N (Fluorocarbon Available)

Flow Characteristics



Dimensions



Ordering Information

303-5000-6

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
3/4"	6
1"	8

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

No Drain	Blank
Twist	MD

Seals

Buna-N	Blank
Fluorocarbon	V

Mounting Hole

Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS

Sight Level and Dome

Polycarbonate	Blank
Trogamid	T

Fill/Drain Options

Q Fitting on Head	QT
Q Fitting on Base of Bowl	QB

LUBRICATORS: 303-4000 Large Capacity Series



Features

- Automatic air control valve allows lubricator to be filled while in operation
- High flow capability with 32 oz. bowl
- Stainless steel ball supplied with every lubricator to make any slotted screw adjusting lubricator tamperproof
- Quick fill option via a "Q" fitting in the lubricator head or base of the bowl
- Polycarbonate bowl or metal bowl available
- Bowl guard available with polycarbonate bowl
- Sight level available with metal bowl
- Tie-rod construction

Operating Specifications

Bowl Capacity: 32oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Bowl Kits:

- Polycarbonate: 24557 - Metal: 24558
- Metal with Sight Level: 24559 (Polycarbonate) or 24559 (Trogamid)

Seal Kit: 24560

Sight Dome:

- 31535 (Polycarbonate) or 31537 (Trogamid)

Materials of Construction

Lubricator Head: Machined Aluminum

Bowl: Polycarbonate or Machined Aluminum

Capacity Valve: Acetal

Cap Valve Spring: Bronze

Cap Valve Core: Brass

Ferrule: Machined Aluminum

Spring Pin: Zinc Plated Steel

Tamperproof Ball: Stainless Steel

Sight Levels and Sight Dome: Polycarbonate or Trogamid

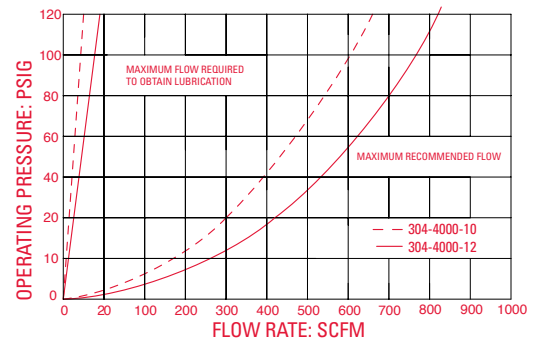
Oil Pick-Up Tube: Polyethylene

Bowl Guard: Stainless Steel

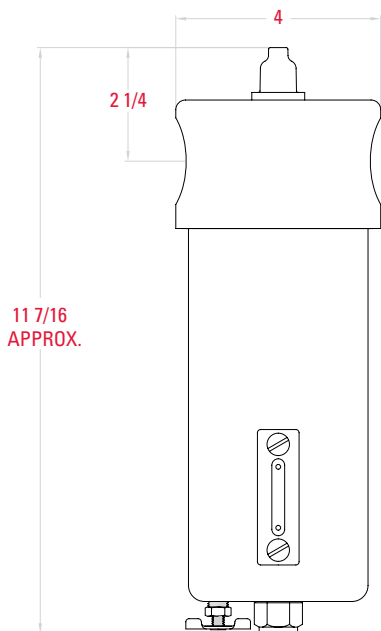
Oil Fill Plug: Machined Aluminum

Seals: Buna-N (Fluorocarbon Available)

Flow Characteristics



Dimensions



Ordering Information

303-4000-6

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Adjustment	
Slotted Screw	0
Knurled Knob	2

Pipe Size	
3/4"	6
1"	8
1 1/4"	10
1 1/2"	12

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
No Drain	Blank
Twist	MD
Seals	
Buna-N	Blank
Fluorocarbon	V
Mounting Hole	
Two 1/4-20 mounting holes on top surface	MH
1/4 NPT mounting hole on side	MS
Sight Level and Dome	
Polycarbonate	Blank
Trogamid	T
Fill/Drain Options	
Q Fitting on Head	QT
Q Fitting on Base of Bowl	QB



Filter/Regulators

Optional Components

Drains: Manual drains are standard. Impulse drains ("D") or float drains ("F") available, depending on product family.

Anodizing: Units can be anodized any of eight colors. (Colors available: blue, black, clear, green, red, yellow, gold and purple).

Pipe Size: 1/8" - 1/2" NPT

Bowl Options: Polycarbonate bowls, aluminum bowls, sight levels and bowl guards available depending on the product family.

Dense Pack Element Design

Our unique element design provides multiple points of impaction throughout the cross section of the element. This guarantees that the maximum amount of particulate is captured while also ensuring minimal pressure drop over the long life of the element.

Monnier filter/regulators are available in a variety of sizes and are designed to reduce the footprint of the air preparation assembly.

Particulate and coalescing flow paths and elements are available. Care must be taken when selecting the appropriate filter type.

All filter/regulators have the same options as the corresponding individual filters and regulators.

Specifications

Maximum Pressure: Polycarbonate Bowls: 150 PSI
Metal Bowls: 250 PSI

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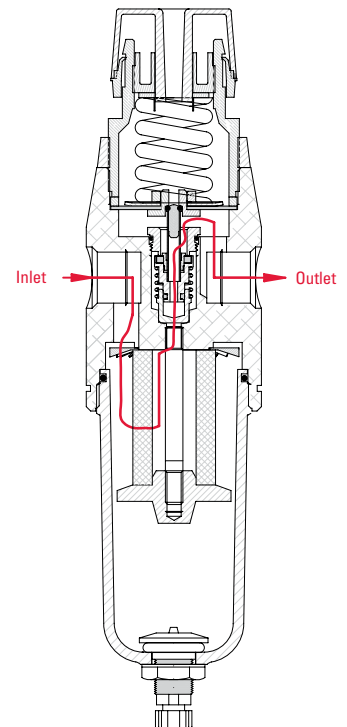
3000 Miniature Series (Particulate)	1/8 & 1/4	50
3009 Miniature Series (Coalescing)	1/8 & 1/4	51
C01-1000/2000 Series (Particulate)	1/4, 3/8 & 1/2	52
C01-1009 Standard Series (Coalescing)	1/4, 3/8 & 1/2	53
B05-1000 Standard Series (Particulate)	1/4, 3/8 & 1/2	54
C05-1000 Standard Series (Particulate)	1/4, 3/8 & 1/2	55
C05-1009 Standard Series (Coalescing)	1/4, 3/8 & 1/2	56

Caution

Bowl guards are recommended on all polycarbonate bowl filters! All bowl guards are made of heavy-duty stainless steel.

Warning

Polycarbonate bowls can be damaged and may fail if they are exposed to or come in contact with solvents, strong alkalies, fire resistant and/or synthetic compressor lubricants.



WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

FILTER REGULATORS: 3000 Miniature Series (Particulate)



Features

- Filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Polycarbonate or aluminum bonnets available
- Polycarbonate or aluminum bowls available
- Manual or impulse drains available
- Preset and tamperproof options

Operating Specifications

Bowl Capacity: 1 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Materials of Construction

Body: Machined Aluminum

Bonnet: Aluminum or Polycarbonate

Bowl: Polycarbonate or Machined Aluminum

Seat: Nylon **Poppet Spring:** Stainless Steel

Whirl Disc: Aluminum

Element (20 and 10 Micron): Phenolic Impregnated Cellulose

Element (5 Micron): Polypropylene

Element Retainer: Celanese

Poppet Valve: Buna-N (Fluorocarbon Available)

Seat: Nylon **Locking Nut:** Zinc Plated Steel

Compression Spring: Spring Steel

Adjustment Screw: Zinc Plated Steel

Diaphragm Assembly: Steel, Brass, Buna-N (Fluorocarbon available)

Drain: • Manual: Brass and Plated Steel

• Impulse: Machined Aluminum, Zinc Plated Steel, and Buna-N (Fluorocarbon Available)

Accessories & Kits

Elements: 20 Micron: 23004 - 10 Micron: 23025

- 5 Micron: 23040

Regulator Repair Kits:

- Relieving: 13532 - Non-Relieving: 13533

Bowl Kit w/ Manual Drain:

- Polycarbonate: 23520 - Aluminum: 23533

Bowl Kit w/ Impulse Drain:

- Polycarbonate: 23521 - Aluminum: 23534

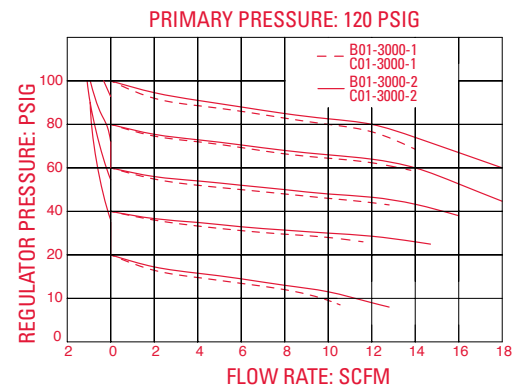
Bracket Kit: - Polycarbonate Bonnet: 13536

- Aluminum Bonnet: 13534

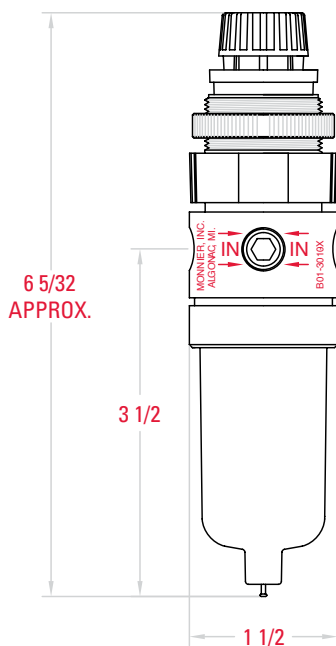
Mounting Nut Only: - Polycarbonate Bonnet: 13133

- Aluminum Bonnet: 13025

Flow Characteristics



Dimensions



Ordering Information

B01-3000-2

Bonnet	
Polycarbonate	B
Aluminum	C

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Pressure	
10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving	6
20-250 Non-Relieving	7
1-10 Relieving	8
1-10 Non-Relieving	9

Elements	
20 Micron	0
10 Micron	1
5 Micron	2

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing

No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Manual	Blank
Impulse	D

Seals

Buna-N	Blank
Fluorocarbon	V

Attachment Parts

Bracket	B
Gauge	G
Knob	K

Tamperproof

Tamperproof	T
Preset	P
Preset and Tamperproof B01	PT
Preset and Tamperproof C01	PTS

FILTER REGULATORS: 3009 Miniature Series (Coalescing)



Features

- Coalescing filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Polycarbonate or aluminum bonnets available
- Polycarbonate or aluminum bowls available
- Manual or Impulse drains available
- Preset and Tamperproof options
- Gauges available
- Available w/ 0.3 or 0.01 Micron elements
- Body cones green anodized as standard (other colors available)

Operating Specifications

Bowl Capacity: 1 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI

- Polycarbonate Bowl: 150 PSI

Temperature Ratings: - Metal Bowl: 0-200°F

- Polycarbonate Bowl: 0-120°F

Materials of Construction

Body: Anodized Machined Aluminum

Bonnet: Machined Aluminum or Polycarbonate

Spring: Stainless Steel

Diaphragm Gasket: Stainless Steel

Valve Seat: Brass

Poppet Valve: Buna-N (Fluorocarbon Available)

Element (0.3 and 0.01 Micron): Borosilicate Glass Fiber

Element Retainer: Celanese

Element Shield: Polycarbonate

Adaptor Outlet: Machined Aluminum (Impulse Drain)

Seat: Nylon

Piston Spring: Stainless Steel

Valve Seat: Buna-N (Fluorocarbon Available)

Drain: • Manual: Zinc Plated Brass

• Impulse: Machined Aluminum and Zinc Plated Steel

Accessories & Kits

Elements: - 0.3 Micron: 23543 - 0.01 Micron: 23592

Regulator Repair Kits:

- Relieving: 13532 - Non-Relieving: 13533

Bowl Kit w/ Manual Drain:

- Polycarbonate: 23520 - Aluminum: 23533

Bowl Kit w/ Impulse Drain:

- Polycarbonate: 23521 - Aluminum: 23534

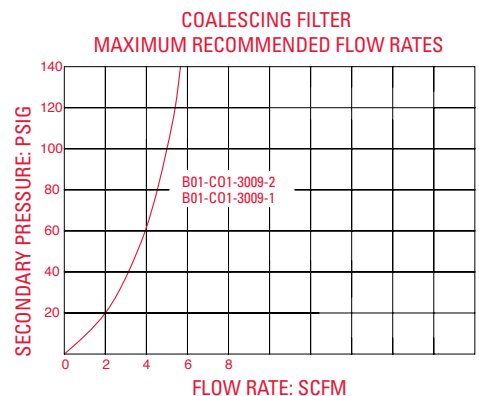
Bracket Kit: - Polycarbonate Bonnet: 13536

- Aluminum Bonnet: 13534

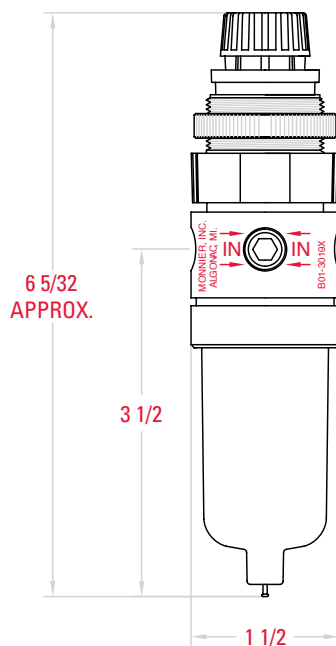
Mounting Nut Only: - Polycarbonate Bonnet: 13133

- Aluminum Bonnet: 13025

Flow Characteristics



Dimensions



Ordering Information

B01-3009-2

Bonnet	
Polycarbonate	B
Aluminum	C

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Pressure	
10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving (Aluminum Bonnet Only)	6
20-250 Non-Relieving (Aluminum Bonnet Only)	7
1-10 Relieving	8
1-10 Non-Relieving	9

Elements	
0.3 Micron	9
0.01 Micron	8

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
Green	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	Blank
Impulse	D
Seals	
Buna-N	Blank
Fluorocarbon	V
Tamperproof	
Tamperproof	T
Preset	P
Preset and Tamperproof B01	PT
Preset and Tamperproof C01	PTS
Attachment Parts	
Bracket	B
Gauge	G
Knob	K

FILTER REGULATORS: C01-1000/2000 Series

Features

- Filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Tie-rod construction for maximum stability
- Polycarbonate or aluminum bowls available
- Manual, float or impulse drains available
- Preset and tamperproof options
- 1000 Series has a greater bowl capacity to accommodate a larger sump area
- 2000 Series has a compact design for applications where space is at a premium

Operating Specifications

Bowl Capacity: 5 oz. or 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

(2000 Series) 20 Micron: 22205 - 10 Micron: 22033
- 3 Micron: 22032

(1000 Series) 20 Micron: 21205 - 10 Micron: 21036
- 3 Micron: 21037

Regulator Kits: Relieving: 11531 Relieving (20-250): 11538 Non-Relieving: 11532 Relieving (20-250): 11539

Bowl Kits:	Poly.	Alum.	Alum. w/Sight Level
2000 Series	22520	22537	22521-P OR 22521-T
1000 Series	21557	21558	21559-P OR 21559-T

Materials of Construction

Body: Machined Aluminum

Bonnet: Aluminum **Spring Guide:** Zinc Plated Steel

Compression Spring: Spring Steel

Diaphragm Gasket: Stainless Steel **Valve Seat:** Brass

Poppet Valve Spring: Stainless Steel

Seals: Buna-N (Fluorocarbon available)

Whirl Disc: Acetal

Element (20, 10, 3 Micron): Phenolic Impregnated Acrylic Fibers

Stud: Zinc Plated Steel **Baffle Plate:** Acetal

Base Nut: Aluminum

Drain: Brass and Zinc Plated Steel

Bowl: Polycarbonate or Machined Aluminum

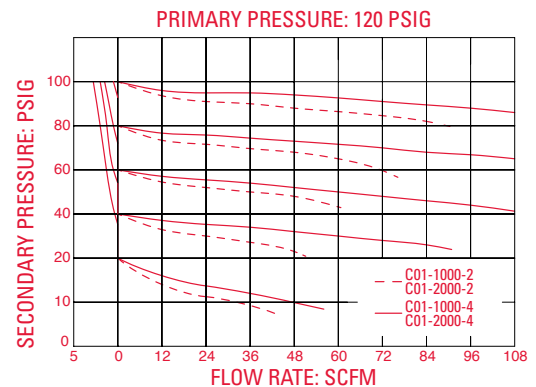
Bowl Guard: Stainless Steel

Drain: - Manual: Brass and Plated Steel

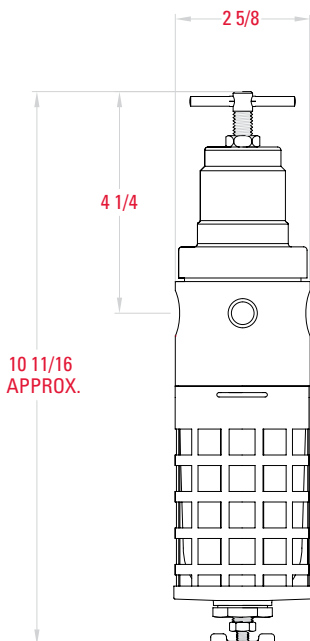
- Float: Anodized Aluminum w/ Acetal and Stainless Steel Float Mechanism

- Impulse: Machined Aluminum, Brass, and Buna-N

Flow Characteristics



Dimensions



Ordering Information

C01-1000-2

Bowl Size	
5 oz.	2
8 oz.	1

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/Sight Level	3

Pressure	
10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving	6
20-250 Non-Relieving	7

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing	
No Anodizing	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	M
Impulse	D
Float	F
Seals	
Buna-N	Blank
Fluorocarbon	V
Tamperproof	
Tamperproof	T
Preset	P
Preset and Tamperproof	PT
Attachment Parts	
Bracket	B
Gauge	G
Knob	K

FILTER REGULATORS: C01-1009 Series



Features

- Coalescing filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Polycarbonate or Aluminum Bowls available
- Manual, Float or Impulse drains available
- Preset and Tamperproof options
- Gauges available
- Body comes green anodized as standard (other colors available)
- 0.3 and 0.01 Micron Elements available

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F



Accessories & Kits

Elements: - 0.3 Micron: 21545 - 0.01 Micron: 21751

Regulator Repair Kits:

Relieving: 11531 Relieving (20-250): 11538

Non-Relieving: 11532 Relieving (20-250): 11539

Bowl Kits: Polycarbonate Bowl: 21557

Aluminum Bowl: 21558

Aluminum Bowl w/ sight level: 21559-P (Polycarbonate) or 21559-T (Trogamid)

Materials of Construction

Body: Anodized Machined Aluminum

Bonnet: Aluminum

Spring Guide: Mild Steel

Compression Spring: Spring Steel

Diaphragm Gasket: Stainless Steel

Valve Seat: Brass

Poppet Valve Spring: Stainless Steel

Seals: Buna-N (Fluorocarbon available)

Whirl Disc: Copolymer Acetal

Element: Borosilicate glass fibers

Stud: Zinc Plated Steel

Baffle Plate: Acetal **Base Nut:** Aluminum

Bowl: Polycarbonate or Aluminum

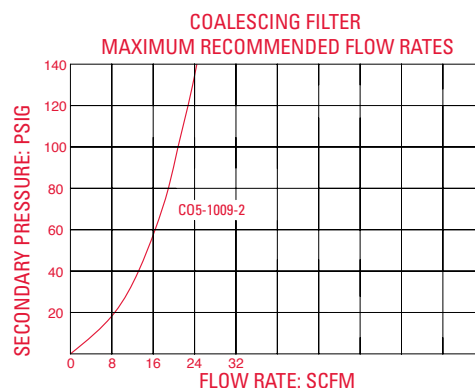
Bowl Guard: Stainless Steel

Drain: - Manual: Brass and Plated Steel

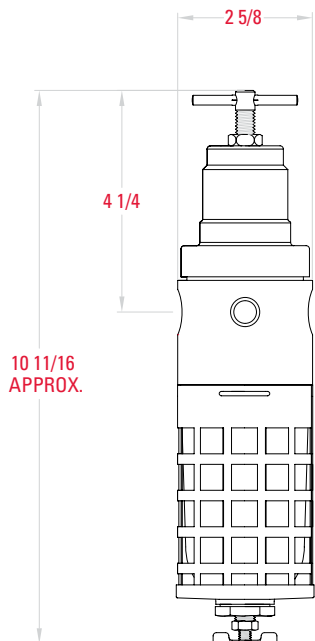
- Float: Anodized Aluminum w/ Acetal and Stainless Steel Float Mechanism

- Impulse: Machined Aluminum, Brass, and Buna-N

Flow Characteristics



Dimensions



Ordering Information

C01-1009-2

OPTIONS

Anodizing

Green	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain

Manual	Blank
Impulse (External)	D
Float (External)	F

Seals

Buna-N	Blank
Fluorocarbon	V

Tamperproof

Tamperproof	T
Preset	P
Preset and Tamperproof	PT

Attachment Parts

Bracket	B
Gauge	G
Knob	K

Bowl Type

Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure

10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving	6
20-250 Non-Relieving	7

Elements

0.3 Micron	9
0.01 Micron	8

Pipe Size

1/4"	2
3/8"	3
1/2"	4

FILTER REGULATORS: B05-1000 Series

Features

- Convenient push to lock knob design
- Acetal bonnet and knob
- Mounting nut comes standard
- Diaphragm design for minimal hysteresis and greater responsiveness
- Black anodizing standard (other colors available)
- Machined aluminum body
- Manual, float or impulse drains available
- Aluminum or polycarbonate bowls available
- Can be ordered with gauge

Operating Specifications

Bowl Capacity: 8 oz. **Gauge Ports:** 1/4" NPT
Maximum Inlet Pressure: 250 PSIG
Temperature Rating:
 Polycarbonate Bowls: 0-120°F
 Metal Bowls: 0-175°F **Weight:** 2 lbs.

Accessories & Kits

Mounting Bracket: 11430
REGULATOR KITS: 0-50 PSI 0-150 PSI
Relieving: 11472 11470
Non-Relieving: 11473 11471
Bowl Kits: - Polycarbonate Bowl Kit: 21567
 - Polycarbonate Bowl Kit w/ Float Drain: 21572
 - Metal Bowl Kit w/ Float Drain: 21582
Metal Bowl Kit: 21580
Metal Bowl with Sight Level Kit (Polycarbonate/Trogamid): 21581-P or 21581-T
Metal Bowl with Float Drain and Sight Level Kit (Polycarbonate/Trogamid): 21583-P or 21583-T

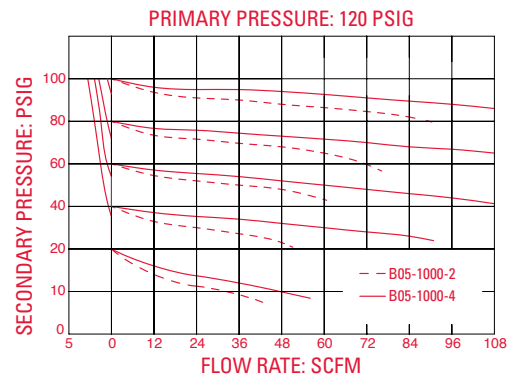
Elements:

20 Micron: 21205
 10 Micron: 21036
 3 Micron: 21037

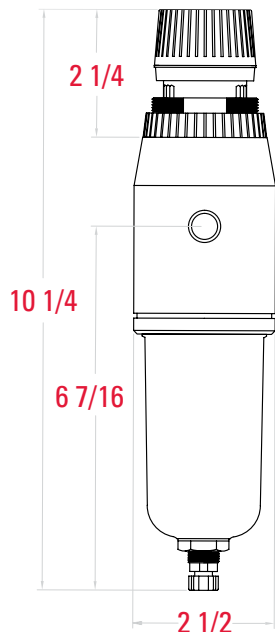
Materials of Construction

Body: Machined Aluminum
Bonnet: Glass Filled Acetal
Knob, Adjuster & Mounting Nut: Acetal
Diaphragm Gasket: Acetal
Springs: Music Wire
Spring Guide: Machined Aluminum
Seat: Brass **Poppet Assembly:** Brass
Seals: Buna-N (Fluorocarbon available)
Whirl Disc: Aluminum
Element: Phenolic Impregnated Acrylic Fiber
Stud: Zinc Plated Steel
Drain: Manual: Plastic
 Float: Acetal and Stainless Steel
 Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)
Bowl: Polycarbonate or Aluminum
Bowl Guard: Stainless Steel

Flow Characteristics



Dimensions



Ordering Information

B05-1000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure Range	
0-150 Relieving	0
0-150 Non-Relieving	1
0-50 Relieving	2
0-50 Non-Relieving	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4	2
3/8	3
1/2	4

OPTIONS

Anodizing

Black	Blank
Blue	A1
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Preset

P

Attachment Parts

Gauge	G
Bracket	B

Seals

Buna-N (Standard)	Blank
Fluorocarbon	V

Drain

Manual	Blank
Float (Internal)	F
Impulse (External)	D

FILTER REGULATORS: C05-1000 Series



Features

- Threaded bowl for ease of maintenance
- Polycarbonate or aluminum bowls available
- Filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Manual, float or impulse drains available
- Preset and tamperproof options

Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowl: 0-200°F
- Polycarbonate Bowl: 0-120°F

Accessories & Kits

Elements: 20 Micron: 21205 - 10 Micron: 21036
- 3 Micron: 21037

REGULATOR KITS: 20-250 PSI

Relieving: 11531 11538

Non-Relieving: 11532 11539

Bowl Kits: - Polycarbonate Bowl Kit: 21557

- Polycarbonate Bowl Kit w/ Float Drain: 21572

- Metal Bowl Kit w/ Float Drain: 21583

Metal Bowl Kit: 21580

Metal Bowl with Sight Level Kit

(Polycarbonate/ Trogamid): 21581-P or 21581-T

Metal Bowl with Float Drain and Sight Level Kit

(Polycarbonate/ Trogamid): 21583-P or 21583-T



Materials of Construction

Body: Machined Aluminum

Bonnet: Machined Aluminum or Polycarbonate

Spring Guide: Zinc Plated Steel

Diaphragm Gasket: Stainless Steel

Valve Seat: Brass

Poppet Valve Spring: Stainless Steel

Seals: Buna-N (Fluorocarbon available)

Whirl Disc: Aluminum

Element (20, 10, 3 Micron):

Phenolic Impregnated Acrylic Fibers

Stud: Zinc Plated Steel

Drain: Manual: Plastic

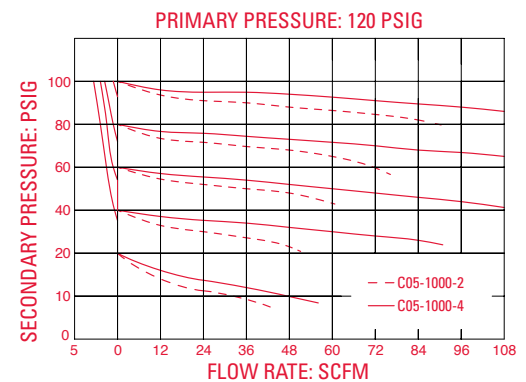
Float: Acetal and Stainless Steel

Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)

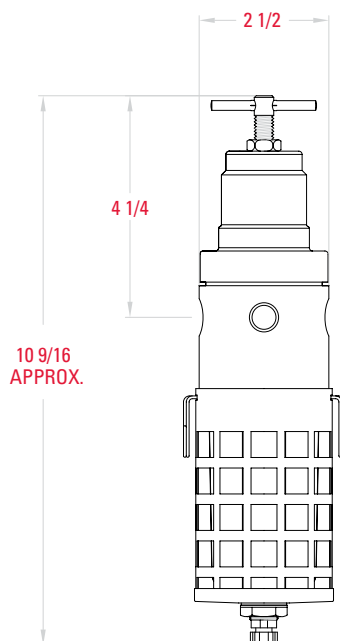
Bowl: Polycarbonate or Aluminum

Bowl Guard: Stainless Steel

Flow Characteristics



Dimensions



Ordering Information

C05-1000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure	
10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving	6
20-250 Non-Relieving	7

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4	2
3/8	3
1/2	4

OPTIONS

Anodizing

Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Attachment Parts

Gauge	G
Bracket	B
Knob	K

Seals

Buna-N (Standard)	Blank
Fluorocarbon	V

Drain

Manual	Blank
Float (Internal)	F
Impulse (External)	D

Tamperproof

Tamperproof	T
Preset	P
Preset and Tamperproof	PT

FILTER REGULATORS: C05-1009 Series



Features

- Coalescing filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Polycarbonate or aluminum bowls available
- Manual, float or impulse drains available
- Preset and tamperproof options
- Gauges available
- 0.3 and 0.01 Micron elements available
- Green anodized body standard, other colors available

Operating Specifications

Bowl Capacity: 8 oz.
Maximum Pressure Ratings:
 - Metal Bowl: 250 PSI
 - Polycarbonate Bowl: 150 PSI
Temperature Ratings:
 - Metal Bowl: 0-200°F
 - Polycarbonate Bowl: 0-120°F

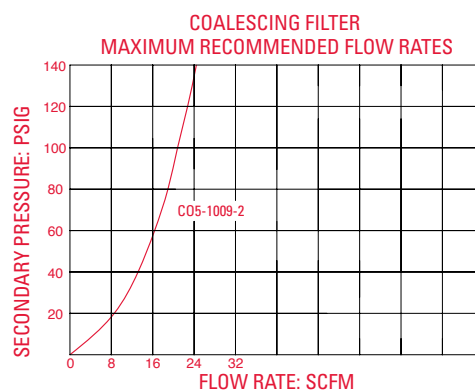
Accessories & Kits

Elements: 0.3 Micron: 21720 - 0.01 Micron: 21762
REGULATOR KITS: 20-250 PSI
Relieving: 11531 11538
Non-Relieving: 11532 11539
Bowl Kits: - Polycarbonate Bowl Kit: 21557
 - Polycarbonate Bowl Kit w/ Float Drain: 21572
 - Metal Bowl Kit w/ Float Drain: 21583
Metal Bowl Kit: 21580
Metal Bowl with Sight Level Kit
 (Polycarbonate/Trogamid): 21581-P or 21581-T
Metal Bowl with Float Drain and Sight Level Kit
 (Polycarbonate/Trogamid): 21583-P or 21583-T

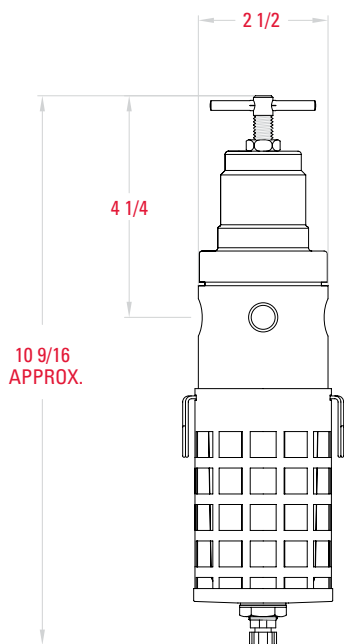
Materials of Construction

Body: Machined Aluminum
Bonnet: Machined Aluminum or Polycarbonate
Spring Guide: Zinc Plated Steel
Diaphragm Gasket: Stainless Steel
Valve Seat: Brass
Poppet Valve Spring: Stainless Steel
Seals: Buna-N (Fluorocarbon available)
Whirl Disc: Aluminum
Stud: Zinc Plated Steel
Drain:
 Manual: Plastic
 Float: Acetal and Stainless Steel
 Impulse: Machined Aluminum, Brass, and Buna-N (Fluorocarbon Available)
Bowl: Polycarbonate or Aluminum
Bowl Guard: Stainless Steel

Flow Characteristics



Dimensions



Ordering Information

C05-1009-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Guard	1
Metal	2
Metal w/ Sight Level	3

Pressure	
10-130 Relieving	0
10-130 Non-Relieving	1
5-60 Relieving	2
5-60 Non-Relieving	3
3-30 Relieving	4
3-30 Non-Relieving	5
20-250 Relieving	6
20-250 Non-Relieving	7

Elements	
0.3 Micron	9
0.01 Micron	8

Pipe Size	
1/4	2
3/8	3
1/2	4

OPTIONS

Anodizing

Green	Blank
Blue	A1
Black	A2
Clear	A3
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Attachment Parts

Gauge	G
Bracket	B
Knob	K

Seals

Buna-N (Standard)	Blank
Fluorocarbon	V

Drain

Manual	Blank
Float (Internal)	F
Impulse (External)	D

Tamperproof

Tamperproof	T
Preset	P
Preset and Tamperproof	PT



THE MONNIER WARRANTY

Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

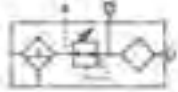
MINIATURE FILTER REGULATOR LUBRICATORS: 213-3000



Components

Filter: 204-3000
Regulator: 101-3000
Lubricator: 305-3000
Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Operating Specifications

Bowl Capacity: 1 oz.
Maximum Pressure Ratings:
 - Metal Bowl: 250 PSI
 - Polycarbonate Bowl: 150 PSI
Temperature Ratings:
 - Metal Bowls: 0-200°F
 - Polycarbonate Bowls: 0-120°F

Features

- Filter, regulator and lubricator consolidated into one assembly
- Polycarbonate or aluminum bowls available
- Manual or impulse drains available
- Gauge included
- High flow and low flow lubricator options
- 10-130 PSIG spring

Ordering Information

213-3000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Lubricator Flow	
High Flow	0
Low Flow	5

Elements	
20 Micron	0
10 Micron	1
5 Micron	2

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	Blank
Impulse	D
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V
Attachment Part	
Bracket	B

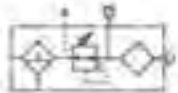
MINIATURE FILTER/REGULATOR LUBRICATORS: B3-3000



Components

Filter/Regulator:
 B01/C01-3000
Lubricator: 305-3000
Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Operating Specifications

Bowl Capacity: 1 oz.
Maximum Pressure Ratings:
 - Metal Bowl: 250 PSI
 - Polycarbonate Bowl: 150 PSI
Temperature Ratings:
 - Metal Bowls: 0-200°F
 - Polycarbonate Bowls: 0-120°F

Features

- Filter/regulator and lubricator consolidated into one assembly
- Reduces footprint of air prep assembly
- Polycarbonate or aluminum bonnets available
- Polycarbonate or aluminum bowls available
- Manual or impulse drains available
- Gauge included
- High flow and low flow lubricator options
- 10-130 PSIG spring

Ordering Information

B3-3000-2

Bonnet	
Polycarbonate	B
Aluminum	C

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2

Lubricator Flow	
High Flow	0
Low Flow	5

Elements	
20 Micron	0
10 Micron	1
5 Micron	2

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	Blank
Impulse	D
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V
Attachment Part	
Bracket	B
Knob (Aluminum Bonnet Only)	K

FILTER REGULATOR LUBRICATORS: 213-1000/2000



Components

Filter: 204-1000/2000

Regulator: 104-1000

Lubricator: 304-1000/2000

Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Ordering Information

213-1000-2

Bowl Capacity	
5 Ounce	2
8 Ounce	1

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Guard	1
Metal	2
Metal w/ Sight Level	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain	
Manual	Blank
Impulse	D
Float	F

Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V

Attachment Part	
Bracket	B
Knob	K

Operating Specifications

Bowl Capacity: 5 oz. or 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI

- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowls: 0-200°F

- Polycarbonate Bowls: 0-120°F

Features

- Filter, regulator and lubricator consolidated into one assembly
- Polycarbonate or aluminum bowls available
- Manual, float or impulse drains available
- Gauge included
- Tie-rod construction for maximum stability

FILTER/REGULATOR LUBRICATORS: C3-1000/2000



Components

Filter/Regulator:

C01-1000 /2000

Lubricator: 304-1000 /2000

Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Ordering Information

C3-2000-2

Bowl Capacity	
5 oz.	2
8 oz.	1

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Guard	1
Metal	2
Metal w/ Sight Level	3

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

OPTIONS

Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain	
Manual	Blank
Impulse	D
Float	F

Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V

Attachment Part	
Bracket	B
Knob	K

Operating Specifications

Bowl Capacity: 5 oz. or 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI

- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowls: 0-200°F

- Polycarbonate Bowls: 0-120°F

Features

- Filter/regulator and lubricator consolidated into one assembly
- Polycarbonate or aluminum bowls available
- Manual, float or impulse drains available
- Gauge included
- 10-130 PSIG spring

FILTER/REGULATOR LUBRICATORS: **B3-1000**



Components

Filter: B05-1000

Lubricator: 305-3000

Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowls: 0-200°F
- Polycarbonate Bowls: 0-120°F

Features

- Filter/regulator and lubricator consolidated into one assembly
- Gauge included
- Push to lock bonnet assembly
- Black anodized finish standard
- Polycarbonate or aluminum bowls available
- Reduces footprint of air prep assembly
- Manual, float or impulse drains available
- Threaded bowls for ease of maintenance

Ordering Information

B3-1000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Levels	3

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

OPTIONS

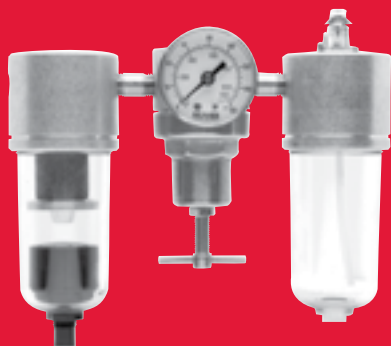
Anodizing	
Black (Standard)	Blank
Blue	A1
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain	
Manual	Blank
Impulse (External)	D
Float (Internal)	F

Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V

Attachment Part	
Bracket	B

FILTER REGULATOR LUBRICATORS: **FRL-1000**



Components

Filter: 205-1000

Regulator: 104-1000

Lubricator: 305-1000

Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Operating Specifications

Bowl Capacity: 8 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowls: 0-200°F
- Polycarbonate Bowls: 0-120°F

Features

- Filter, regulator and lubricator consolidated into one assembly
- Polycarbonate or aluminum bowls available
- Reduces footprint of air prep assembly
- Manual, float or impulse drains available
- Gauge included
- Threaded bowls for ease of maintenance

Ordering Information

FRL-1000-2

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Levels	3

Pipe Size	
1/4"	2
3/8"	3
1/2"	4

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

OPTIONS

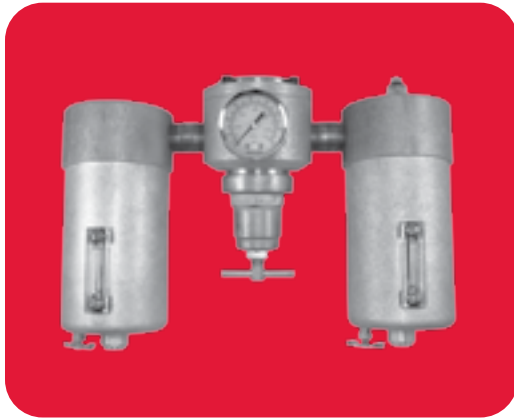
Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

Drain	
Manual	Blank
Impulse	D
Float	F

Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V

Attachment Part	
Bracket	B
Knob	K

FILTER REGULATOR LUBRICATORS: 213-5000



Components

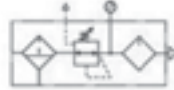
Filter: 201-5000

Regulator: 116-5000

Lubricator: 303-5000

Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Operating Specifications

Bowl Capacity: 21 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowls: 0-200°F
- Polycarbonate Bowls: 0-120°F

Features

- Filter, regulator and lubricator consolidated into one assembly
- Polycarbonate or aluminum bowls available
- Manual, float or impulse drains available
- Gauge included

Ordering Information

213-5000-6

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Levels	3

Pipe Size	
3/4"	6
1"	8

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

OPTIONS

Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	Blank
Impulse	D
Float	F
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V
Attachment Part	
Bracket	B
Knob	K

FILTER REGULATOR LUBRICATORS: 213-4000



Components

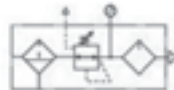
Filter: 201-4000

Regulator: 116-4000

Lubricator: 303-4000

Nipple: Zinc Dichromate Coated Steel

Please see individual product pages for further details.



Operating Specifications

Bowl Capacity: 32 oz.

Maximum Pressure Ratings:

- Metal Bowl: 250 PSI
- Polycarbonate Bowl: 150 PSI

Temperature Ratings:

- Metal Bowls: 0-200°F
- Polycarbonate Bowls: 0-120°F

Features

- Filter, regulator and lubricator consolidated into one assembly
- Polycarbonate or aluminum bowls available
- Manual, float or impulse drains available
- Gauge included

Ordering Information

213-4000-8

Bowl Type	
Polycarbonate	0
Polycarbonate w/ Bowl Guard	1
Metal	2
Metal w/ Sight Levels	3

Pipe Size	
3/4"	6
1"	8
1'-1/4"	10
1'-1/2"	12

Elements	
20 Micron	0
10 Micron	1
100 Micron	3

OPTIONS

Anodizing	
None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8
Drain	
Manual	Blank
Impulse	D
Float	F
Seals	
Buna-N (Standard)	Blank
Fluorocarbon	V
Attachment Part	
Bracket	B
Knob	K



Stainless Steel Air Preparation Products

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205S-1200 Series	65
205S-1209 Series	66
101S-3000 Series	67
104S-1000 Series	68
B01S-3200 Series	69
B01S-3209 Series	70
C05S-1200 Series	71

Monnier offers a line of particulate filters, coalescing filters, regulators and filter/regulators in 316 Stainless Steel.

Designed to withstand caustic solutions, harsh operating conditions and other demanding applications, the Monnier Stainless Line is ideal for the following industries:

- Food preparation and packaging
- Pharmaceutical
- Natural gas
- Offshore
- Wastewater treatment

Designed with those demanding applications in mind, highlights of the Monnier Stainless Line include:

- **316 Stainless Steel:** All metal components, including internals, are made of 316 SS, making them the most impervious to any sort of degradation.
- **NACE Compliant:** Each component of the stainless line adheres to the NACE MR0175 standard.
- **Flexibility:** All options found in our machined aluminum miniature series are available in the stainless line, including pressure ranges, element ratings and automatic drain options.

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

STAINLESS STEEL FILTERS: 204S-3200 Series



Features

- NACE MR0175 Compliant
- 316 SS housing and internal components
- Excellent water and particulate removal efficiency
- Threaded bowl and element retainer for easy maintenance
- Bowl seal held captive
- 20 micron element standard; 10 & 5 micron elements available
- Manual or automatic drains
- Whirl disc design creates high centrifugal force with minimal pressure drop
- 1 ounce bowl capacity
- High flow: 25 SCFM @ 80 PSIG inlet with 7 PSI ΔP

Materials of Construction

Head: 316 Stainless Steel

Bowl: 316 Stainless Steel

Whirl Disc: 316 Stainless Steel

Element Retainer: Polypropylene

Element: Phenolic/Melamine

Impregnated Cellulose

Seals: Fluorocarbon

Drain: 316 Stainless Steel

(Manual & Impulse)

Operating Specifications

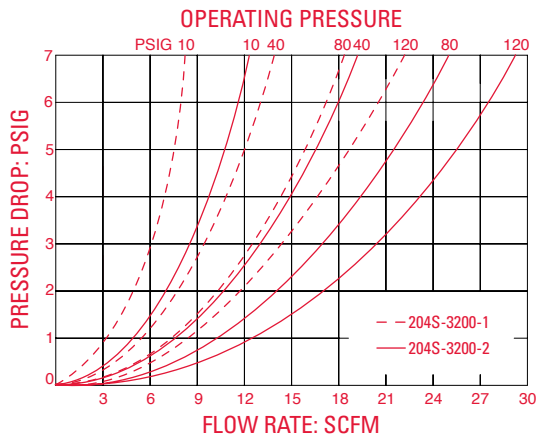
Maximum Pressure: 250 PSI

Maximum Temperature: 200°F

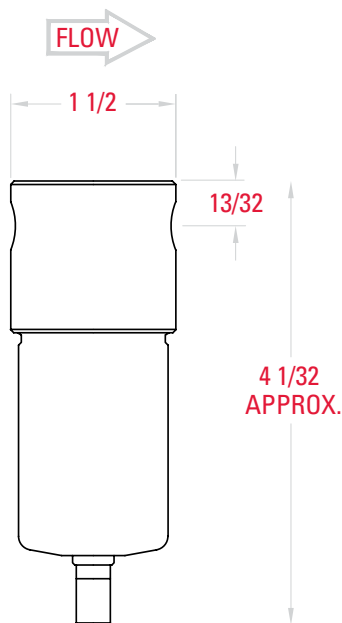
Replacement Parts

Elements	20 Micron	23004
	10 Micron	23025
	5 Micron	23040
Bowl Kits w/Drains	Manual Drain	23533SS
	Impulse Drain	23534SS

Flow Characteristics



Dimensions



Ordering Information

204S - 3200 - 2

Elements	
20 Micron	0
10 Micron	1
5 Micron	2

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Drain

Manual (Standard) Blank
Impulse (Automatic) D

Seals

Fluorocarbon Blank
FDA Buna-N X

STAINLESS STEEL COALESCING FILTERS: 204S-3209 Series



Features

- NACE MR0175 Compliant
- 316 SS housing and internal components
- Removes more than 99.95% of oil and dirt from air lines
- Threaded bowl and element retainer for easy maintenance
- Bowl seal held captive
- 0.3 micron element standard; 0.01 available for high purity applications
- Now available with carbon elements
- Manual or automatic drains
- 1 ounce bowl capacity

Operating Specifications

Maximum Pressure: 250 PSI
Maximum Temperature: 200°F

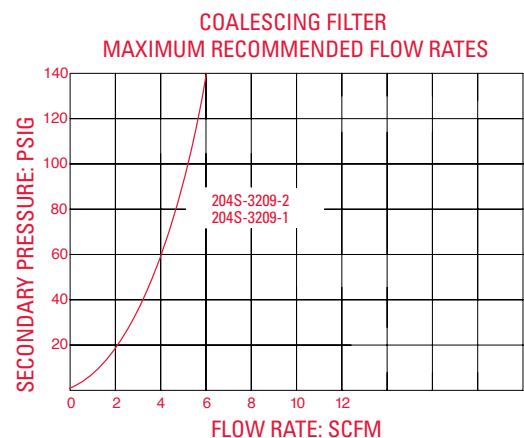
Replacement Parts

Elements	0.3 Micron	23543
	0.01 Micron	23592
	Carbon	23758
Bowl Kits w/Drains	Manual Drain	23533SS
	Impulse Drain	23534SS

Materials of Construction

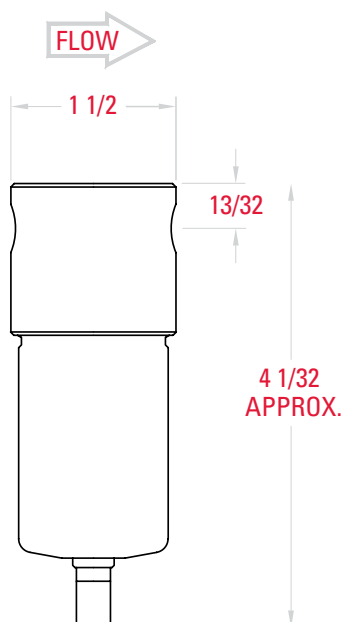
Head: 316 Stainless Steel
Bowl: 316 Stainless Steel
Whirl Disc: 316 Stainless Steel
Element Retainer: Polypropylene
Element: Borosilicate Glass Fiber
Seals: Fluorocarbon
Drain: 316 Stainless Steel (Manual & Impulse)

Flow Characteristics



Data represents flows through saturated elements at 2 PSI pressure drop, the maximum permissible for proper coalescing action.

Dimensions



Ordering Information

204S - 3209 - 2

Elements	
0.3 Micron	9
0.01 Micron	8
Carbon	7

Pipe Size	
1/8"	1
1/4"	2

OPTIONS

Drain	
Manual (Standard)	Blank D
Impulse (Automatic)	
Seals	
Fluorocarbon	Blank X
FDA Buna-N	

STAINLESS STEEL PARTICULATE FILTERS: 205S-1200 Series



Features

- NACE MR0175 Compliant
- 316 SS housing and internal components
- Excellent water and particulate removal efficiency
- Threaded bowl and element retainer for easy maintenance
- Bowl seal held captive
- 20 micron element standard; 10 & 3 micron elements available
- Manual or automatic drains
- Whirl disc design creates high centrifugal force with minimal pressure drop
- 8 ounce bowl capacity
- High flow: 25 SCFM @ 80 PSIG inlet with 7 PSI ΔP

Materials of Construction

Head: 316 Stainless Steel
Bowl: 316 Stainless Steel
Whirl Disc: 316 Stainless Steel
Stud: 316 Stainless Steel
Element Retainer: 316 Stainless Steel
Seals: Fluorocarbon (FDA Approved Buna available)
Element: Phenolic Impregnated Cellulose
Drain:
Manual: 316 Stainless Steel
Float: Acetal and Stainless Steel
Impulse: 316SS & Fluorocarbon (FDA Approved Buna available)

Accessories

20 Micron: 21205
10 Micron: 21036
3 Micron: 21037



Manual Drain

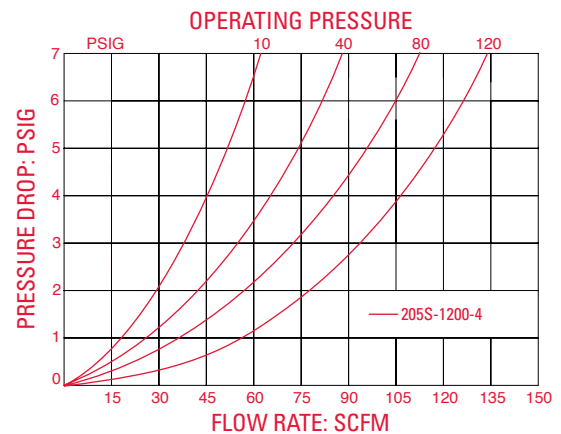


Automatic Drain

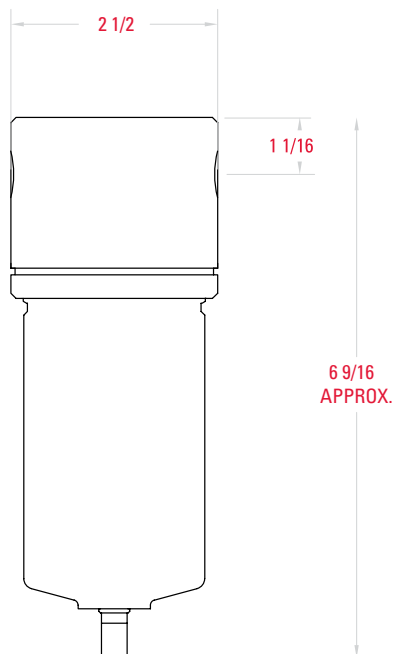
Operating Specifications

Bowl Capacity: 8 oz.
Pressure Rating: 250 PSIG
Temperature Rating: 0 - 200°F
Ports: 1/2" NPT

Flow Characteristics



Dimensions



Ordering Information

205S - 1200 - 4

Elements	
20 Micron	0
10 Micron	1
3 Micron	2

OPTIONS

Seals	
Fluorocarbon	Blank
FDA Buna-N	X
Drain	
Manual	Blank
Impulse	D

STAINLESS STEEL COALESCING FILTERS: 205S-1209 Series



Features

- All metal components are 316 SS
- Removes liquid and sub-micron solids
- 0.3 Micron Element removes 99.97% of dirt and oil from air
- 0.01 Micron Element removes 99.995% of dirt and oil from air
- Also available with carbon elements
- Available with manual, float or impulse drain
- Threaded bowl for ease of maintenance
- 8 ounce bowl capacity

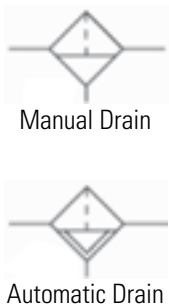
Accessories

Elements:

0.3 Micron: 21720
0.01 Micron: 21762
Carbon: 21756

Operating Specifications

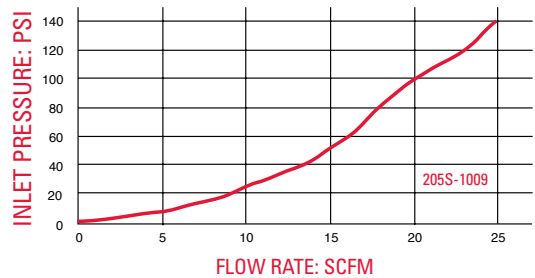
Bowl Capacity: 8 oz.
Pressure Rating: 250 PSIG
Temperature Rating: 0 - 200°F
Ports: 1/2" NPT



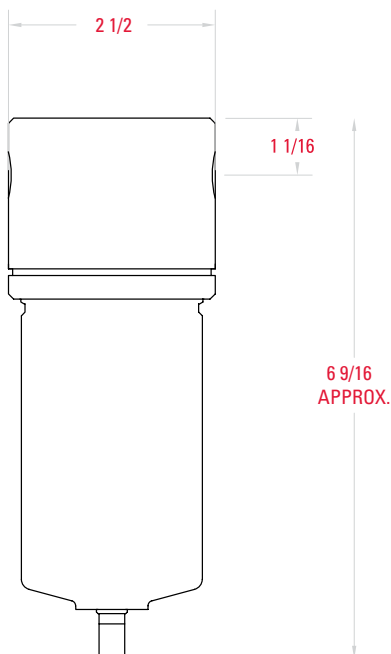
Materials of Construction

Head: 316 Stainless Steel
Bowl: 316 Stainless Steel
Whirl Disc: 316 Stainless Steel
Stud: 316 Stainless Steel
Element Retainer: 316 Stainless Steel
Seals: Fluorocarbon (FDA Approved Buna available)
Drain:
Manual: 316 Stainless Steel
Float: Acetal and Stainless Steel
Impulse: 316SS & Fluorocarbon (FDA Approved Buna available)

Flow Characteristics



Dimensions



Ordering Information

205S - 1209 - 4

Elements	
0.3 Micron	9
0.01 Micron	8
Carbon	7

OPTIONS

Seals	
Fluorocarbon	Blank
FDA Buna-N	X
Drain	
Manual	Blank
Impulse	D
Float	F

STAINLESS STEEL REGULATORS: 101S-3000 Series



Features

- NACE MR0175 Compliant
- All metal components are 316 SS
- Available with stainless steel or acetal bonnet with locking ring
- Diaphragm design for greater accuracy, responsiveness and repeatability
- Fluorocarbon seals
- Available in relieving or non-relieving
- Relieving bonnet is designed without relief hole for greater protection in harsh environments

Accessories

Mounting Nut: 13133SS (101); 13025SS (111)

Operating Specifications

Maximum Pressure: 250 PSI
Maximum Temperature: 200°F

Replacement Parts

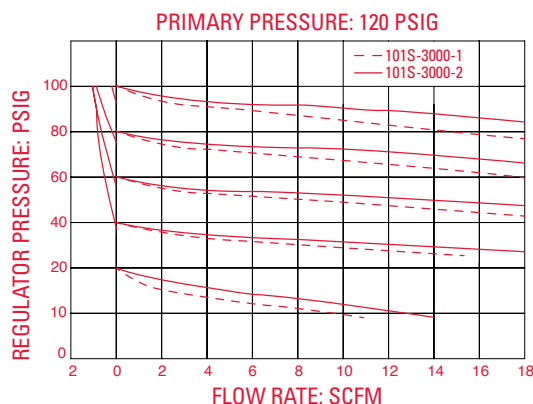
Repair Kit

Relieving	13532SS
Non Relieving	13533SS

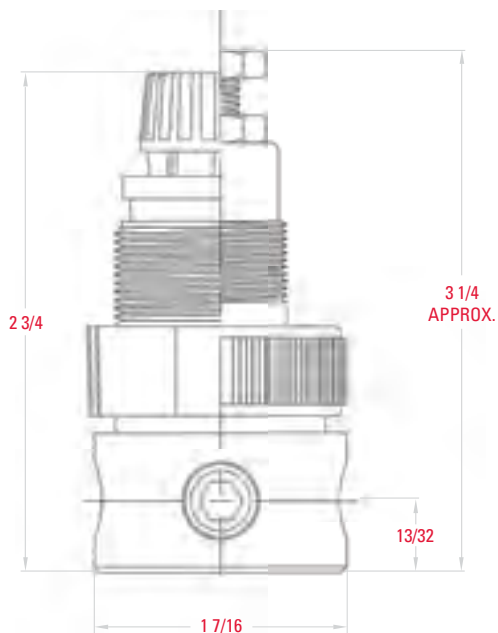
Materials of Construction

Body: 316 Stainless Steel
Bonnet: 316 Stainless Steel (111 Series); Acetal (101 Series)
Adjustment Screw: 316 Stainless Steel
Poppet: Fluorocarbon
Poppet Seat: 316 Stainless Steel
Diaphragm Assembly: Fluorocarbon w/ 316 SS Components
Seals: Fluorocarbon
Springs: 316 Stainless Steel

Flow Characteristics



Dimensions



Ordering Information

101S - 3000 - 2

Bonnet	
Acetal	0
316 SS	1

Gauge Ports	
Gauge Port	0
No Gauge Port	1

Pipe Size	
1/8"	1
1/4"	2

Pressure Range	
10-130 PSI Relieving	00
10-130 PSI Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07
1-10 Relieving	08
1-10 Non-Relieving	09

OPTIONS

Seals	
Fluorocarbon	Blank
FDA Buna-N	X
Preset	
None (Standard)	Blank
Preset	P
Tamper Resistant (Acetal Bonnet)	T
Non-Adjustable Set Screw (SS Bonnet)	T

STAINLESS STEEL PRESSURE REGULATORS: 104S-1000 Series



Features

- All metal components are 316 SS
- Diaphragm style regulator for minimal hysteresis and greater responsiveness
- Relieving and non-relieving versions available
- Gauge port plugs included
- FDA approved seals available

Accessories

Regulator Kits:

Relieving: 11531SS

Relieving (20-250 PSI): 11538SS

Non-Relieving: 11532SS

Non-Relieving (20-250 PSI): 11539SS

Panel Nut: 11194SS

Bracket: 11123SS

Operating Specifications

Gauge Ports: two 1/8" NPT (Standard)

Maximum Inlet Pressure: 250 PSIG

Temperature Rating: 0-175°F

Relief Port: M5

Inlet/Outlet Ports: 1/2" NPT



Relieving



Non-Relieving

Materials of Construction

Body: 316 Stainless Steel

Bonnet: 316 Stainless Steel

Spring Guide: 316 Stainless Steel

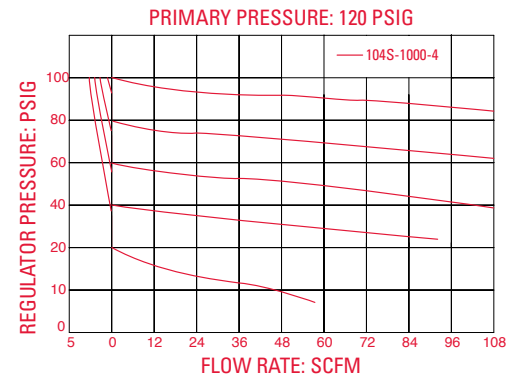
Diaphragm Gasket: 316 Stainless Steel

Valve Seat: 316 Stainless Steel

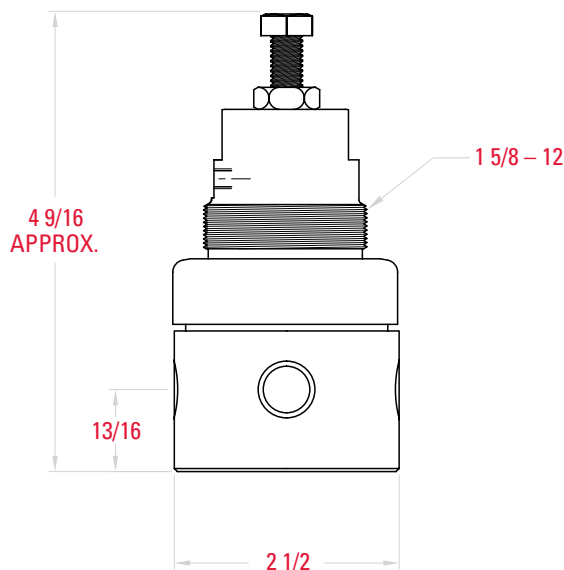
Poppet Valve Spring: 316 Stainless Steel

Seals: Fluorocarbon (FDA Approved)
Buna available)

Flow Characteristics



Dimensions



Ordering Information

104S - 1000 - 4

Pressure Range	
10-130 PSI Relieving	00
10-130 PSI Non-Relieving	01
20-250 Relieving	06
20-250 Non-Relieving	07

Options	
Attachment Parts	
Gauge	G
Seals	
Fluorocarbon	Blank
FDA Buna-N	X

STAINLESS STEEL FILTER/REGULATORS: B01S-3200 Series



Features

- NACE MR0175 Compliant
- All metal components are 316 SS
- Available with stainless steel or acetal bonnet with locking ring
- Diaphragm design for greater accuracy, responsiveness and repeatability
- Fluorocarbon seals
- Threaded bowl and element retainer for easy maintenance
- Bowl seal held captive
- Manual or automatic drains

Accessories

Mounting Nut: 13133SS (C01); 13025SS (B01)

Operating Specifications

Maximum Pressure: 250 PSI

Maximum Temperature: 200°F

Replacement Parts

Repair Kit	Relieving	13532SS
	Non-Relieving	13533SS
Elements	20 Micron	23004
	10 Micron	23025
	5 Micron	23040
Bowl Kits w/Drains	Manual Drain	23533SS
	Impulse Drain	23534SS

Materials of Construction

Body: 316 Stainless Steel

Bonnet: 316 Stainless Steel (C01 Series); Acetal (B01 Series)

Adjustment Screw: 316 Stainless Steel

Poppet: Fluorocarbon

Poppet Seat: 316 Stainless Steel

Diaphragm Assembly: Fluorocarbon w/ 316 SS Components

Seals: Fluorocarbon **Springs:** 316 Stainless Steel

Bowl: 316 Stainless Steel

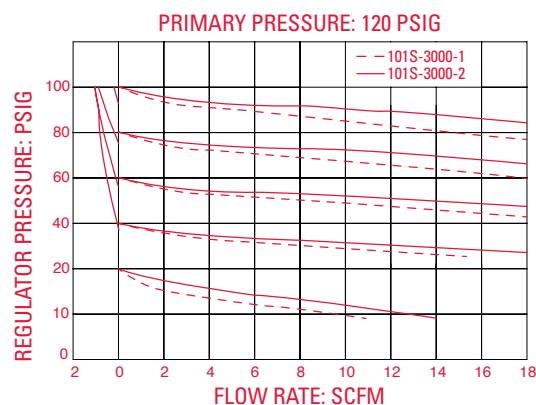
Whirl Disc: 316 Stainless Steel

Element Retainer: Polypropylene

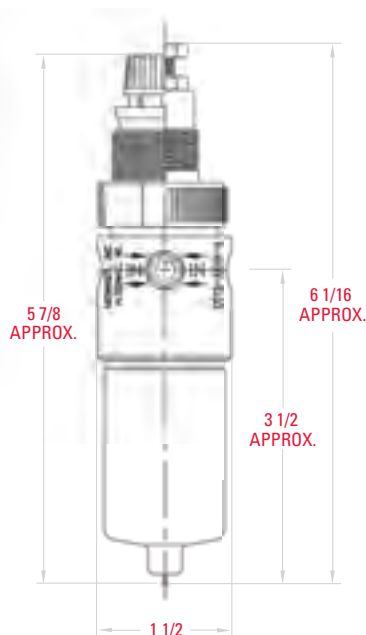
Element: Phenolic/Melamine Impregnated Cellulose

Drain: 316 Stainless Steel (Manual & Impulse)

Flow Characteristics



Dimensions



Ordering Information

B01S - 3200 - 2

Bonnet	
Acetal	B
316 SS	C

Pressure Range	
10-130 PSI Relieving	00
10-130 PSI Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07
1-10 Relieving	08
1-10 Non-Relieving	09

Elements	
20 Micron	0
10 Micron	1
5 Micron	2

OPTIONS	
Seals	
Fluorocarbon	Blank
FDA Buna-N	X
Drain	
Manual (Standard)	Blank
Impulse (Automatic)	D

Pipe Size	
1/8"	1
1/4"	2

STAINLESS STEEL COALESCING FILTER/REGULATORS: **B01S-3209 Series**



Features

- NACE MR0175 Compliant
- Available with stainless steel or acetal bonnet with locking ring
- Diaphragm design for greater accuracy, responsiveness and repeatability
- Fluorocarbon seals
- Excellent water and particulate removal efficiency
- Threaded bowl and element retainer for easy maintenance
- Bowl seal held captive
- 0.3 micron element standard; 0.01 available for high purity applications
- Now available with Carbon elements
- Manual or automatic drains

Operating Specifications

Maximum Pressure: 250 PSI

Maximum Temperature: 200°F

Replacement Parts

Repair Kit	Relieving	13532SS
	Non-Relieving	13533SS
Elements	0.3 Micron	23543
	0.01 Micron	23751
	Carbon	23758
Bowl Kits w/Drains	Manual Drain	23533SS
	Impulse Drain	23534SS

Materials of Construction

Body: 316 Stainless Steel

Bonnet: 316 Stainless Steel (C01 Series); Acetal (B01 Series)

Adjustment Screw: 316 Stainless Steel

Poppet: Fluorocarbon

Poppet Seat: 316 Stainless Steel

Diaphragm Assembly: Fluorocarbon w/ 316 SS Components

Seals: Fluorocarbon **Springs:** 316 Stainless Steel

Bowl: 316 Stainless Steel

Whirl Disc: 316 Stainless Steel

Element Retainer: Polypropylene

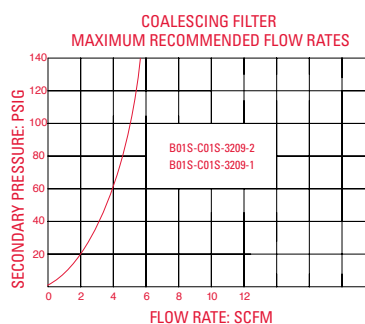
Element: Borosilicate Glass Fiber

Drain: 316 Stainless Steel (Manual & Impulse)

Accessories

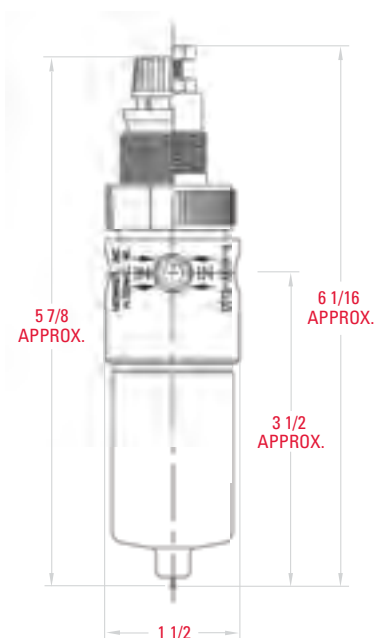
Mounting Nut: 13133SS (B01); 13025SS (C01)

Flow Characteristics



Data represents flows through saturated elements at 2 PSI pressure drop, the maximum permissible for proper coalescing action.

Dimensions



Ordering Information

C01S - 3209 - 2

Bonnet	
Acetal	B
316 SS	C

Pressure Range	
10-130 PSI Relieving	00
10-130 PSI Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07
1-10 Relieving	08
1-10 Non-Relieving	09

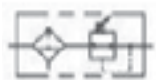
Elements	
.3 Micron	9
.01 Micron	8
Carbon	7

OPTIONS

Seals	
Fluorocarbon	Blank
FDA Buna-N	X
Drain	
Manual (Standard)	Blank
Impulse (Automatic)	D

Pipe Size	
1/8"	1
1/4"	2

STAINLESS STEEL PARTICULATE FILTER REGULATORS: C05S-1200 Series



Features

- All metal components are 316 SS
- Threaded bowl for ease of maintenance
- Filter and regulator consolidated into one assembly
- Reduces footprint of air prep assembly
- Manual, float or impulse drains available
- FDA approved seals available

Operating Specifications

Bowl Capacity: 8 oz.
Maximum Pressure: Metal Bowls: 250 PSI
Maximum Temperature: Metal Bowls: 200°F
Ports: 1/2" NPT

Accessories

Elements:

20 Micron: 21205

10 Micron: 21036

3 Micron: 21037

Regulator Kits:

Relieving: 11531SS

Relieving (20-250 PSI): 11538SS

Non-Relieving: 11532SS

Non-Relieving (20-250 PSI): 11539SS

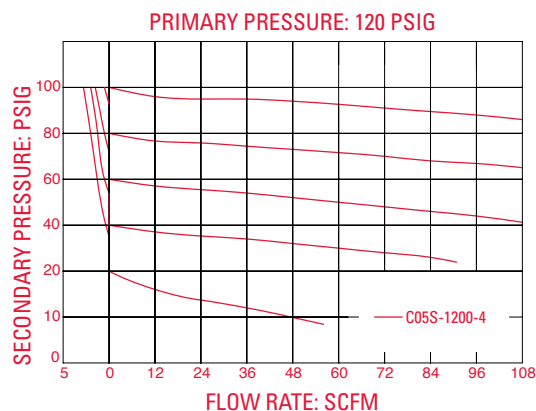
Panel Nut: 11194SS

Bracket: 11123SS

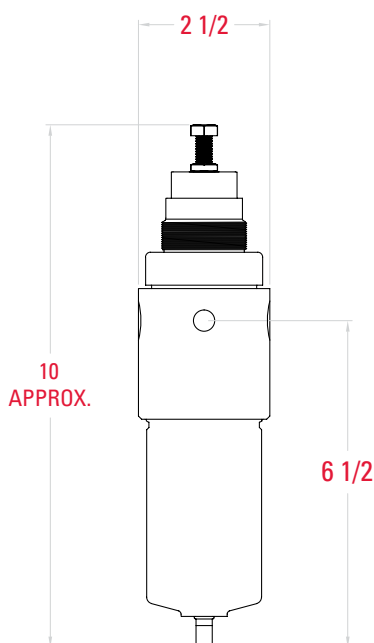
Materials of Construction

Body: 316 Stainless Steel
Bonnet: 316 Stainless Steel
Bowl: 316 Stainless Steel
Spring Guide: 316 Stainless Steel
Diaphragm Gasket: 316 Stainless Steel
Valve Seat: 316 Stainless Steel
Poppet Valve Spring: 316 Stainless Steel
Whirl Disc: 316 Stainless Steel
Seals: Fluorocarbon (FDA Approved Buna available)
Element: Phenolic Impregnated Acrylic Fibers
Drain: Manual: 316 SS
Float: Acetal and Stainless Steel
Impulse: 316SS & Fluorocarbon (FDA Approved Buna available)

Flow Characteristics



Dimensions



Ordering Information

C05S - 1200 - 4

Pressure Range

10-130 PSI Relieving	00
10-130 PSI Non-Relieving	01
20-250 Relieving	06
20-250 Non-Relieving	07

Elements

20 Micron	0
10 Micron	1
3 Micron	2

OPTIONS

Attachment Parts

Bracket **B**

Seals

Fluorocarbon **Blank**
 FDA Buna-N **X**

Drain

Manual **Blank**
 Impulse **D**



Check Valves & Flow Controls



Check Valves

Lightweight aluminum O-Check® features a dilating o-ring as the only moving part. Quick to open, quick to close, O-Check 'outflows' the competition, will last millions of cycles (factory tests to 50 million cycles show no discernible wear) and always provides positive sealing (no bubble leakage). Standard NPTF sizes 1/8", 1/4", 3/8", 1/2" and 3/4" and orifices available for fixed flow control applications.

Flow Controls

Right angle flow controls incorporate O-Check as the bypass valve. MRFC permits full free flow in one direction, accurately metered flow in opposite direction. Standard metering needle design includes compound needle taper of 5° and 15° and fine adjustment stem threads (MRFC 1/4 for example is 1/4" - 36). Right angle design eliminates the need for pipe elbow fitting normally used to make 90° turn at cylinder port. Standard NPTF sizes 1/8", 1/4", 3/8", 1/2" and 3/4". Adjustment knobs and panel mounting available (NPTF sizes 1/8", 1/4" and 3/8" only). Optional swivel connector allows "direct" cylinder mounting and 360° rotation for ease of installation and space saving (NPTF sizes 1/8", 1/4", 3/8", and 1/2" only).

Benefits

- Compact design adds to the appearance of any type of equipment.
- All valves are individually tested before they leave the factory.
- Tests up to 50 million cycles show no discernible wear and still perform "bubble-tight."

Specifications

Maximum Operating Pressure: 250 psi

Operating Temperature Range: -40° - +225°F.

Standard O-Ring Material: Buna-N (Flourocarbon available on 1/8", 1/4" and 3/8" NPTF models)

Standard Valve Body Material: Aluminum

Standard Needle Material: Brass

Standard Swivel Connector Material: Zinc-Plated Steel

WARRANTY:

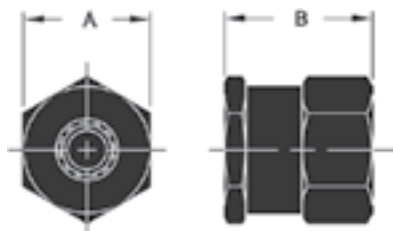
Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.



CHECK VALVES: O-CHECK® MCV Series



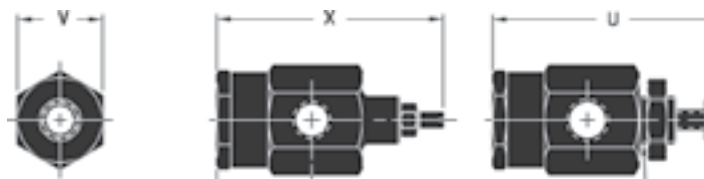
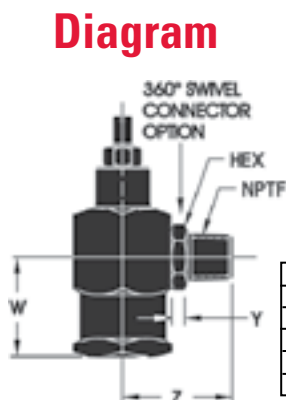
Diagram



Model No.	Pipe Thread	A	B
MCV - 1/8	1/8 - 27	3/4	15/16
MCV - 1/4	1/4 - 18	1 1/8	1 15/16
MCV - 3/8	3/8 - 18	1 1/8	1 15/16
MCV - 1/8	1/8 - 14	1 5/8	1 9/16
MCV - 3/4	3/4 - 14	1 7/8	2 5/16

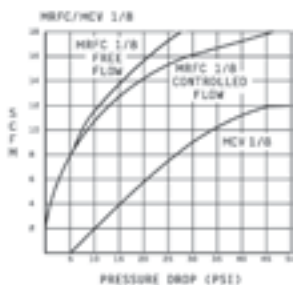
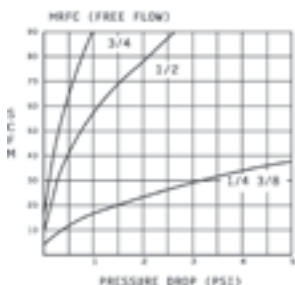
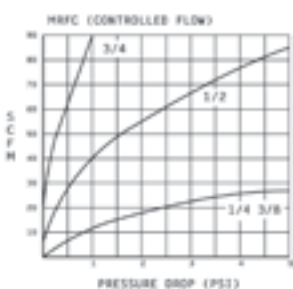
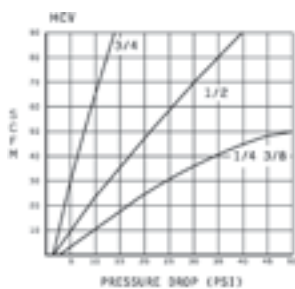


Diagram



Model No.	Pipe Thread	T	U	V	W	X	Y	Z	HEX
MRFC - 1/8	1/8 - 27	1/2 - 20	2 7/16	3/4	7/8	2 1/8	.13	.91	1/2
MRFC - 1/4	1/4 - 18	5/8 - 18	3 3/16	1 1/4	1 1/4	3	.15	1.34	3/4
MRFC - 3/8	3/8 - 18	5/8 - 18	3 3/16	1 1/4	1 1/4	3	.28	1.34	3/4
MRFC - 1/8	1/8 - 14			1 5/8	1 5/8	3 1/4		1.84	7/8
MRFC - 3/4	3/4 - 14			2	1 1/4	3 3/4			

Flow Charts



Ordering Information

SERIES	CODE	NPFT	OPTIONS	CODE	O-RINGS	CODE
O-Check	MCV	1/3-3/8 Orifice	1/32 Orifice	031	Buna - N (Standard)	V
		1/2 & 3/4	1/16 Orifice	063	Viton	
Right Angle Flow Control	MRFC		3/32 Orifice	094	Buna - N (Only)	
			1/8 Orifice	125		
			*Contact Factory for other sizes			
Right Angle Flow Control	MRFC	1/8 to 3/8	Knob Panel Mount	K	Buna - N (Standard)	V
			Knob & Panel Mt Swivel	P	Viton	
			Swivel Knob	SK		
		1/2	Swivel	S	Buna - N (Only)	
		3/4				



Air/Oil Reservoirs

Designed to be placed between the valve and cylinder in a pneumatic circuit, Monnier's Air/Oil reservoirs provide the predictable, even cylinder actuation of a hydraulic system in a low cost pneumatic circuit.

Reservoir Function

Compressed air enters the top inlet port and forces the hydraulic fluid out of the reservoir and into the downstream cylinder. Pressure is maintained at a 1:1 ratio.

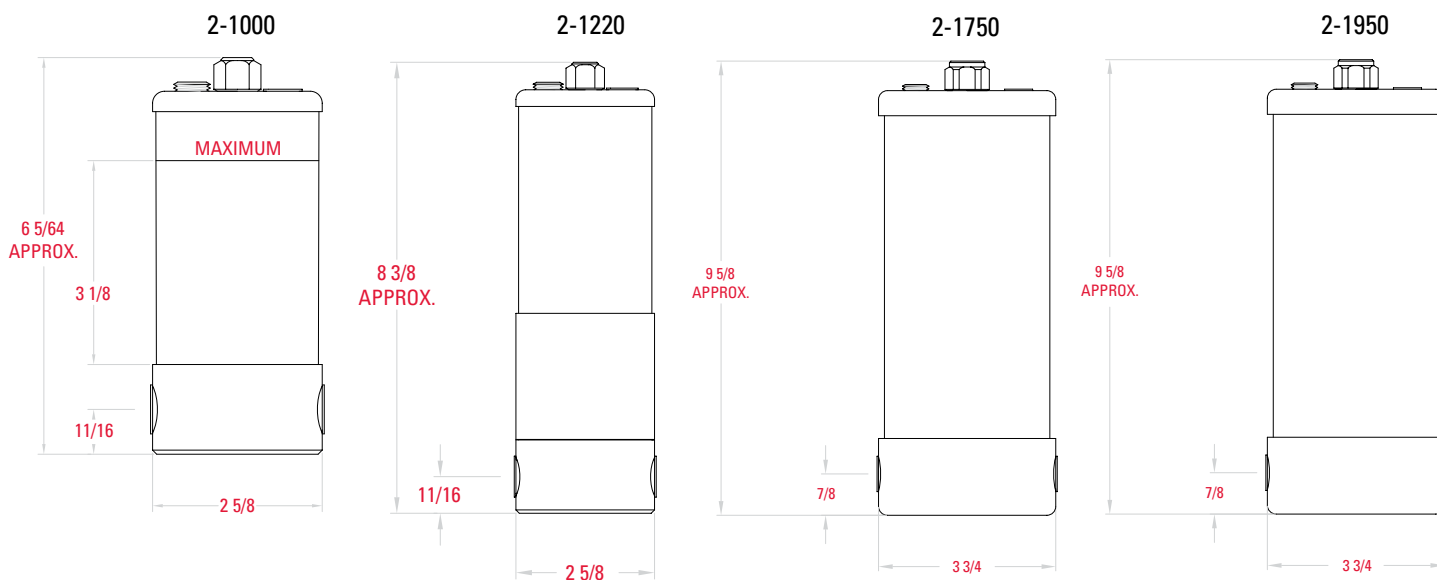
Features

- Available with aluminum or polycarbonate bowls
- 'L' brackets and stud mount brackets available
- Available in capacities from 12 to 70 cubic inches (6.65 to 40.37 ounces)

Materials of Construction

Base, Head, Base Nut: Machined Aluminum
Bowl: Polycarbonate or Machined Aluminum
Stud: Plated Steel or Brass
Baffle Plate: Aluminum
Seals: Buna-N (Fluorocarbon Available)

Dimensions



Ordering Information

Capacity		Bowl Type				Mounting Bracket		Bowl Kits	
Cu. In.	Oz.	Poly-carbonate	Poly w/ Bowl Guard	Aluminum	Aluminum w/ Sight Levels	Angle Bracket	Stud Mount	Poly-carbonate	Aluminum w/ Sight Levels
12	6.65	2-1000	2-1100	2-1200	2-1300	11038	11520	21561	21532
20	11.08	2-1020	2-1120	2-1220	2-1320				
45	24.93	2-1750	2-1850	2-1950	2-1951	15037		24555	24421
70	40.37	NA		2-1970	2-1971			NA	24559

Caution

Bowl guards are recommended on all polycarbonate bowl filters! All bowl guards are made of heavy-duty stainless steel.

Warning

Polycarbonate bowls can be damaged and may fail if they are exposed to or come in contact with solvents, strong alkalies, fire resistant and/or synthetic compressor lubricants.

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

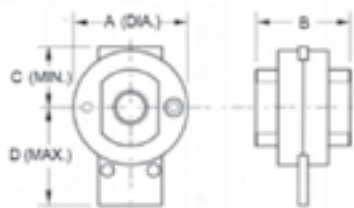
ACCESSORIES: Lockout Valves



Features

- Available in 1/8" through 1/2" NPT
- Relieve downstream pressure in closed position
- Can be locked in closed position for safety purposes

Dimensions



20-501/20-502

A: 1-3/4 **B:** 1-3/8

C: 15/16 **D:** 1-9/16

20-503/20-504

A: 2-1/4 **B:** 1-7/8

C: 1-3/16 **D:** 1-15/16

Materials of Construction

Body: Machined Aluminum

Slide: Brass

Seals: Buna-N (Fluorocarbon Available)

Screws: Black oxide coated screws

Ordering Information

20-501

Pipe Size

1/8"	1
1/4"	2
3/8"	3
1/2"	4

Anodizing

None	Blank
Blue	A1
Black	A2
Clear	A3
Green	A4
Red	A5
Yellow	A6
Gold	A7
Purple	A8

ACCESSORIES: Drains

Float Drains

Monnier float drains automatically discharge liquid from filters, drip legs and tanks.

Features

- Stainless steel mesh screen protects float mechanism from particulate
- 1/4" or 1/2" female NPT inlet
- 1/8" NPT outlet
- Manual override
- Clear anodized housing standard



Impulse Drains

Monnier impulse drains automatically discharge liquid from filters, drip legs and tanks.

Features

- 1/8" Male NPT inlet
- Barb fitting for 3/16" ID tube outlet
- Clear anodized housing standard



Materials of Construction

Body: Anodized Machined Aluminum

Float: Acetal and Stainless Steel

Seals: Buna-N (Fluorocarbon Available)

Ordering Information

20-401

Pipe Size	OPTIONS
1/4"	2
1/2"	4
	Anodizing
	Clear (standard) Blank
	Blue A1
	Black A2
	Green A4
	Red A5
	Yellow A6
	Gold A7
	Purple A8
	Seals
	Buna-N Blank
	Fluorocarbon V

Materials of Construction

Body: Anodized Machined Aluminum

Internals: Aluminum and Brass

Seals: Buna-N (Fluorocarbon Available)

Ordering Information

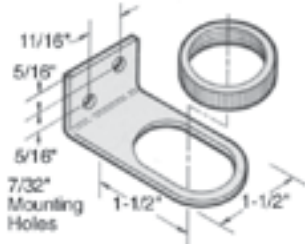
20-101

Pipe Size	OPTIONS
1/8"	1
1/4"	2
3/8"	3
1/2"	4
	Anodizing
	Clear (standard) Blank
	Blue A1
	Black A2
	Green A4
	Red A5
	Yellow A6
	Gold A7
	Purple A8
	Seals
	Buna-N Blank
	Fluorocarbon V

ACCESSORIES: Mounting

BONNET MOUNTING TYPE

**FOR UNITS WITH:
POLYCARBONATE BONNETS
SERIES 101-3000,
104-3100 and B01-3000**

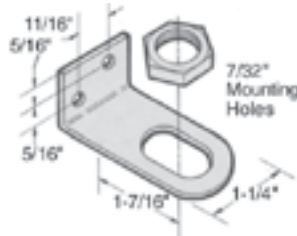


Part# 13536

Panel Nut Only - Part #13133

This is a zinc-plated steel bracket and aluminum panel nut. Panel nut may be anodized in any of eight colors.

**FOR UNITS WITH:
ALUMINUM BONNETS
SERIES 111-3000,
102-3000,C01-3000,
106-3100 and 114-3100**

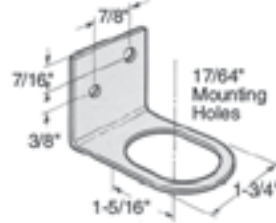


Part# 13534

Panel Nut Only - Part #13025

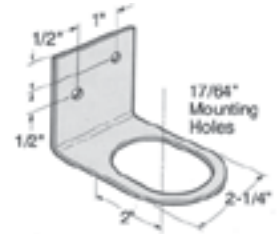
This is a zinc-plated steel bracket and aluminum panel nut. Panel nut may be anodized in any of eight colors.

**FOR USE WITH
105/106-1000 SERIES
REGULATORS**

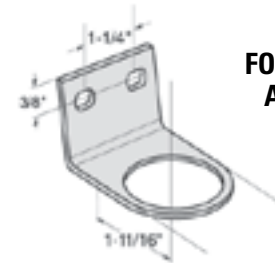


Part# 11122

**FOR USE WITH 102/103-1000
and 117-4000/5000 PS
SERIES REGULATORS**



Part# 11123

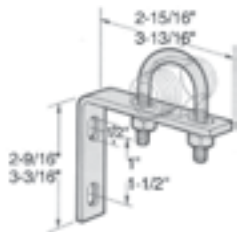


**FOR USE WITH B05-1000
AND 108-1000 SERIES**

11430

PIPE MOUNTING TYPE

FOR USE WITH: 1000/4000/5000 SERIES



Part# 11543: For pipe sizes 1/4", 3/8" and 1/2"

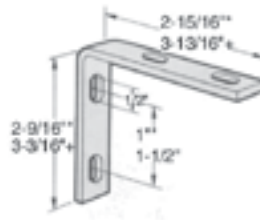
Part# 11542: For pipe sizes 3/4" and 1"

This is a zinc-plated steel bracket with U-bolt and lock nuts as shown.

The U-bolt fits around the inlet or outlet pipe, nipple, etc.

ANGLE MOUNTING TYPE

FOR USE WITH: 1000/2000/3000 SERIES



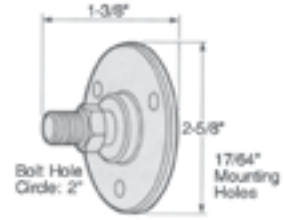
Part# 11038: Use with 1000/2000/3000 Series

Part# 15037: Use with 4000/5000 Series

Note: Filters and lubricators must be ordered with two 1/4-20 mounting holes on top surfaces. Add suffix "MH" to model number.

STUD MOUNTING TYPE

FOR USE WITH: 1000/4000/5000 SERIES



Part# 11520: For 1/4", 3/8", 1/2", 3/4", and 1" (Aluminum construction)

These mounting brackets are designed to fit all regulators with 1/4" gauge ports. Remove the pipe plug in the back of the regulator and insert stud.

Notes:

1. For filters and lubricators, order with 1/4" NPT mounting holes on side surface. Add suffix "MS" to model number.
2. Cannot use "MH" or "MS" option with miniature lubricators. Could use pipe mounting type bracket #11543.

ACCESSORIES: Pressure Drop Indicator



The Monnier pressure drop indicator is available as a separate device to measure the pressure drop across any pneumatic equipment.

Operating Specifications

Ports: 1/8" Male NPT

Part#: 21540



Air Line Modulares



Each component is engineered to connect easily without the use of inserts and special tools. Standard buttonhead screws are used to join components, combined with the new modular design ensures that Monnaire Modulares™ offer optimum stability and strength.

Components are available as preassembled **modular FRL assemblies** or in an unlimited combination of filters, regulators, lubricators and accessories. Each component is available with 3 bowl options – polycarbonate with guard (standard), metal bowl or with the CircleView bowl, allowing fluid to be viewed 360 degrees around the bowl. Each bowl is available with automatic, flexible or manual drain options.

A **manual shut off** with slide design is available. The off position relieves downstream pressure to all components allowing for service or repair.

TABLE OF CONTENTS

Modular Particulate Filters	80	Modular Coalescing	
Modular Coalescing Filters	81, 82	Filter/Regulators	87, 88
Modular Regulators	83, 84	Modular Combinations	89, 90
Modular Lubricators	85	Modular Accessories	91, 92
Modular Filter/Regulators	86		

Features

- O-ring on bowl
- Integral mounting holes
- Bayonet bowl guards
- Diverter block
- Simple manifold connections

Benefits

- Mounts without brackets
- Quick on/off bowls
- Regulator mounts any direction
- Build any configuration

Advantages

- More stable mounting
- Faster turns in maintenance
- Flexible assembly
- Eliminates frustration

Maximum Pressure

Pressure in polycarbonate bowls:	150 psi
Pressure in metal bowls:	200 psi
Pressure in circle view bowls:	250 psi

Maximum Temperature

Temperature in polycarbonate bowls:	120°F
Temperature in metal bowls:	120°F
Temperature in circle view bowls:	150°F

Drains

Add Suffix "D" for impulse drain or Suffix "F" for float drain.

Caution

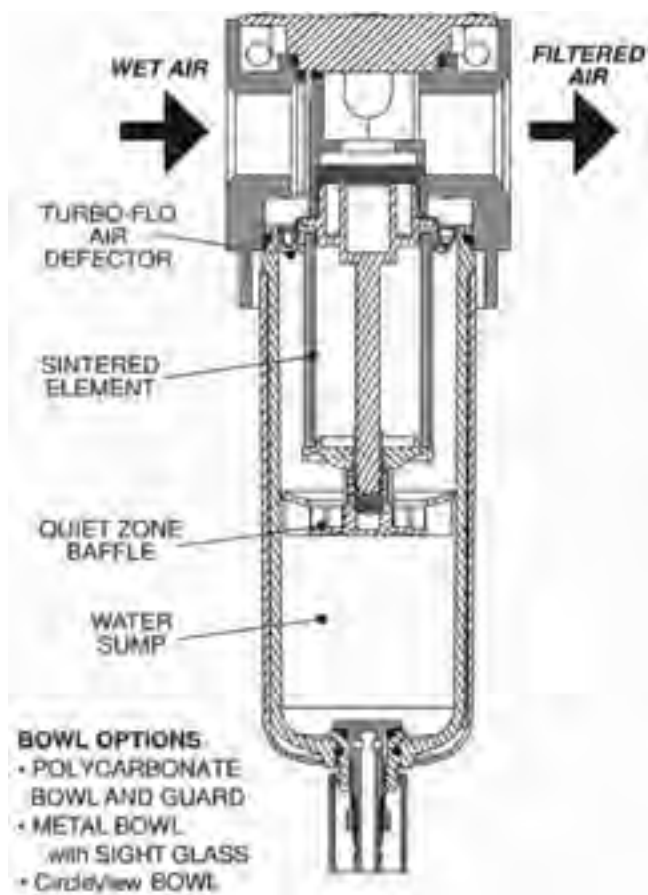
Bowl guards are recommended on all polycarbonate bowl filters! All bowl guards are made of heavy-duty stainless steel.

Warning

Polycarbonate bowls can be damaged and may fail if they are exposed to or come in contact with solvents, strong alkalies, fire resistant and/or synthetic compressor lubricants.

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

AIR LINE MODULARS: MODULAR PARTICULATE FILTERS



Application

Primary air filters are designed to separate liquid water and rust, scale and debris from the air lines. They should be installed upstream of the regulator or lubricator to prevent contamination from reaching other components. Water is removed mechanically by the deflector which causes the air to move in a swirling motion. The condensed water droplets are then centrifugally impacted upon the I.D. of the bowl and migrate down past the quiet zone baffle to the water sump. Dry air passes through the sintered element utilizing depth filtration and removes debris down to the specified micron size.

Features

- Two convenient sizes
- 5 micron sintered elements standard
- Can be installed as modular or individual unit
- Includes screws and o-rings for modular connection
- Manual or automatic drains
- Polycarbonate bowl standard
- Optional CircleView sight bowl
- Bowl seal held captive

22 SERIES FILTERS

3.8-OUNCE CAPACITY

PIPE SIZE: 1/4, 3/8, 1/2"



PIPE SIZE	BOWL TYPE & MODEL NUMBER			FLOW CAPACITY	SCFM
	POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW		
1/4"	222-2100-2	222-2300-2	222-2000-2	C _v = 1.9	45
3/8"	222-2100-3	222-2300-3	222-2000-3	C _v = 2.6	60
1/2"	222-2100-4	222-2300-4	222-2000-4	C _v = 3.0	70

32 SERIES FILTERS

8.5-OUNCE CAPACITY

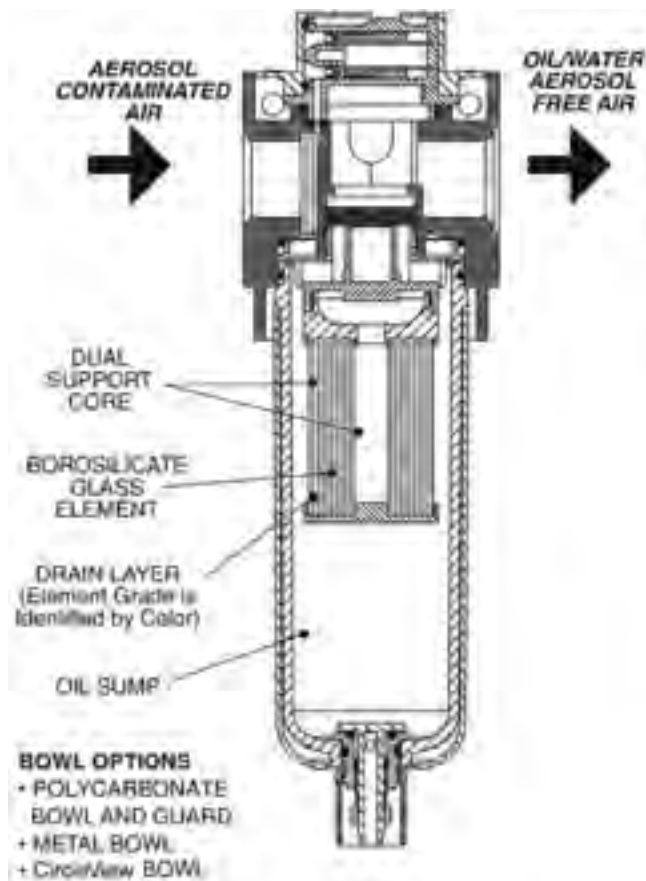
PIPE SIZE: 1/2, 3/4"



PIPE SIZE	BOWL TYPE & MODEL NUMBER			FLOW CAPACITY	SCFM
	POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW		
1/2"	232-1100-4	232-1300-4	232-1000-4	C _v = 4.5	105
3/4"	232-1100-6	232-1300-6	232-1000-6	C _v = 4.7	110

Note: Flow ratings based on 100 PSIG Inlet and 5 PSID.

AIR LINE MODULARS: MODULAR COALESCING FILTERS



Application

The coalescing filter is utilized when the cleanest air possible is required. This type of filter removes water and oil aerosols. Working differently than the particulate filter; oily air enters the element from its center and passes through a field of glass fibers which cause the aerosols to form into heavier-than-air droplets. The droplets grow larger as they pass through the element and gravity drains the oil drops to the sump of the bowl. With the harmful oil varnishes and contaminants that attack seals and gaskets now removed, the valve and cylinder is much less likely to stick. To maximize the life of a coalescing filter it should always be used after a 5 micron filter.

Features

- Two convenient sizes
- Cartridge element design
- Inner/outer support cores prevent element from crushing in either flow direction
- Available with manual or automatic drain
- Optional CircleView sight bowl
- Differential pressure indicator standard

Recommended Uses

0.7 Micron Element, identified by its BLUE drain layer, is a relatively coarse coalescing filter for large amounts of water, rust, pipe scale and hydrocarbons. Excellent filter for environments that have severe contamination. Can be used for lubricated or "dry" systems. Mainline filtration of plant air.

0.3 Micron Element, identified by its GREEN drain layer, is a fine filter for cylinders or valves especially when the circuit is being run without lubrication ("dry"). Excellent filters for desiccant or regenerative style filters.

0.01 Micron Element, identified by its RED drain layer, is an ultrafine filter for oil free instrumentation air, blow molding, food and drug packaging, electronics applications, and other applications requiring maximum contamination removal.

Adsorber Element, identified by its WHITE drain layer, is an adsorbing filter that utilizes activated carbon to deodorize compressed air. Typically, it is used to protect worker environments, food and drug applications and instrumentation for analytical instruments. Life expectancy is approximately 3 months at rated flow.

Prefilter Option - Suffix "E"

All models can be equipped with an optional internal prefilter. The prefilter provides additional protection for the fine borosilicate fibers. For most applications, a separate 5 micron particulate filter is not required.

AIR LINE MODULARS: MODULAR COALESCING FILTERS

22 SERIES COALESCING FILTERS

3.8-OUNCE CAPACITY
PIPE SIZE: 1/4, 3/8, 1/2"



ELEMENT RATING:					
PIPE SIZE	BOWL TYPE & MODEL NUMBER			FLOW CAPACITY	SCFM
0.7 MICRON					
POLYCARBONATE W/BOWL GUARD	METAL		CIRCLE VIEW		
1/4"	222-2107-2	222-2307-2	222-2007-2	C _v = 2.0	25
3/8"	222-2107-3	222-2307-3	222-2007-3		
1/2"	222-2107-4	222-2307-4	222-2007-4		
0.3 MICRON					
POLYCARBONATE W/BOWL GUARD	METAL		CIRCLE VIEW		
1/4"	222-2103-2	222-2303-2	222-2003-2	C _v = 1.2	15
3/8"	222-2103-3	222-2303-3	222-2003-3		
1/2"	222-2103-4	222-2303-4	222-2003-4		
0.01 MICRON					
POLYCARBONATE W/BOWL GUARD	METAL		CIRCLE VIEW		
1/4"	222-2101-2	222-2301-2	222-2001-2	C _v = 0.7	9
3/8"	222-2101-3	222-2301-3	222-2001-3		
1/2"	222-2101-4	222-2301-4	222-2001-4		
VAPOR ADSORBER					
POLYCARBONATE W/BOWL GUARD	METAL		CIRCLE VIEW		
1/4"	222-210A-2	222-230A-2	222-200A-2	C _v = —	—
3/8"	222-210A-3	222-230A-3	222-200A-3		
1/2"	222-210A-4	222-230A-4	222-200A-4		

32 SERIES COALESCING FILTERS

8.5-OUNCE CAPACITY
PIPE SIZE: 1/2, 3/4"



ELEMENT RATING:					
PIPE SIZE	BOWL TYPE & MODEL NUMBER			FLOW CAPACITY	SCFM
0.7 MICRON					
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW			
1/2"	232-1107-4	232-1307-4	232-1007-4	$C_v = 5.3$	70
3/4"	232-1107-6	232-1307-6	232-1007-6		
0.3 MICRON					
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW			
1/2"	232-1103-4	232-1303-4	232-1003-4	$C_v = 3.7$	48
3/4"	232-1103-6	232-1303-6	232-1003-6		
0.01 MICRON					
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW			
1/2"	232-1101-4	232-1301-4	232-1001-4	$C_v = 2.0$	25
3/4"	232-1101-6	232-1301-6	232-1001-6		
VAPOR ADSORBER					
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW			
1/2"	232-110A-4	232-130A-4	232-100A-4	$C_v = \text{—}$	45
3/4"	232-110A-6	232-130A-6	232-100A-6		

- Flow Ratings based upon 100 PSIG inlet and 1.5 PSID
- .3 Micron element standard



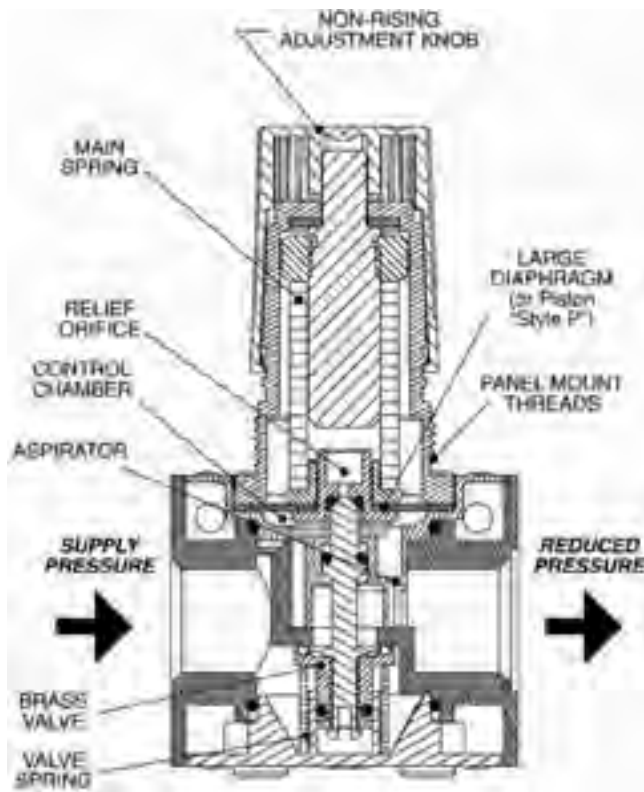
◀ CircleView Sight Bowl

The Monnaire Modular™ CircleView Sight Bowl utilizes a dual bowl configuration to eliminate the bowl guard or sight glass. This allows the strength and security of an interior metal bowl to be used with the exterior convenience of polycarbonate. Water condensation and contaminants in filter bowls and the oil level in the lubricator bowls can be seen for 360 degrees around the unit. This lowers maintenance cost by allowing easy detection of units that require service.

Metal Bowl with Sight Glass ▶



AIR LINE MODULARS: MODULAR REGULATORS



MAXIMUM PRIMARY PRESSURE:
200 psi
MAXIMUM OPERATING TEMPERATURE:
120°F

- To order with a gauge, add Suffix "G"
- To order with panel nut, add Suffix "P"
- To order with check valve, add "C" after the 3rd digit
- To order with piston, add "P" after the 3rd digit
- To order with tamperproof option, add suffix "T"

Application

Regulators are used to reduce pressure to a required working pressure. Utilizing optimum pressure can save companies both component life and many dollars in compressed air costs. Regulators consist of a diaphragm, which floats between a main spring (top) and a valve (bottom). By turning the adjustment handle clockwise, the main spring is forced onto the rubber diaphragm which, in turn, is pressed onto the valve stem. When the spring pressure becomes greater than the air pressure in the control chamber below the diaphragm, the valve is forced down and flow begins. As flow continues, the pressure begins to build up and air, via the aspirator tube, fills the control chamber and forces the diaphragm upward. As forces balance, the small spring under the valve piston causes the valve to close. The cycle continues in a balanced process of reducing or increasing flow based upon the down stream pressure.

Features

- Two convenient sizes
- High flow in compact size
- Locking adjustment knob
- Four different pressure ratings available
- Can be installed as modular or individual unit
- Standard output pressure 0-125 PSIG

Internal Check Valve

The 22 and 32 Series are offered with an optional internal check valve. This allows the regulator to function between a valve and cylinder and not be damaged by the constant change in direction of flow. Excellent for applications where multiple pressures are required from one supply valve.

AIR LINE MODULARS: MODULAR REGULATORS

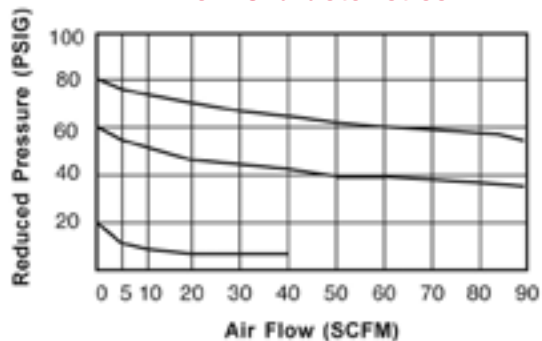
22 SERIES REGULATOR

PIPE SIZE: 1/4, 3/8, 1/2"



PIPE SIZE	MODEL NUMBER		GAUGE PRESSURE RANGE (PSIG)
	RELIEVING	NON-RELIEVING	
1/4"	122-2000-2	122-2001-2	0-125
3/8"	122-2000-3	122-2001-3	
1/2"	122-2000-4	122-2001-4	
1/4"	122-2002-2	122-2003-2	0-60
3/8"	122-2002-3	122-2003-3	
1/2"	122-2002-4	122-2003-4	
1/4"	122-2004-2	122-2005-2	0-25
3/8"	122-2004-3	122-2005-3	
1/2"	122-2004-4	122-2005-4	

Flow Characteristics



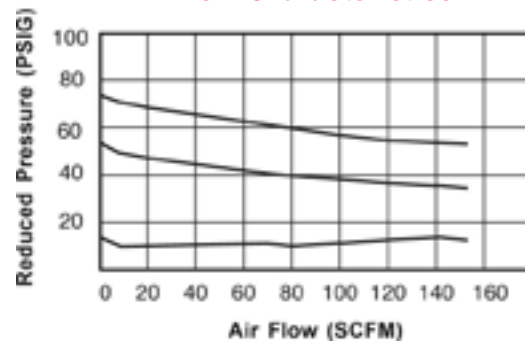
32 SERIES REGULATOR

PIPE SIZE: 1/2, 3/4"



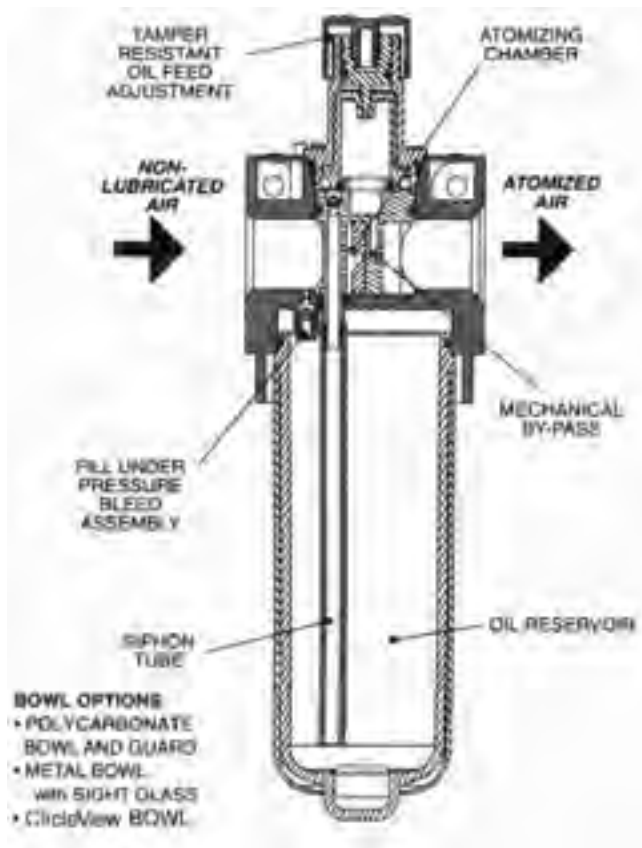
PIPE SIZE	MODEL NUMBER		GAUGE PRESSURE RANGE (PSIG)
	RELIEVING	NON-RELIEVING	
1/2"	132-1000-4	132-1001-4	0-125
3/4"	132-1000-6	132-1001-6	
1/2"	132-1002-4	132-1003-4	0-60
3/4"	132-1002-6	132-1003-6	
1/2"	132-1004-4	132-1005-4	0-25
3/4"	132-1004-6	132-1005-6	
1/2"	132-1006-4	132-1007-4	0-200
3/4"	132-1006-6	132-1007-6	

Flow Characteristics



- Flows are at 100 PSIG and a 25% PSID.

AIR LINE MODULARS: MODULAR LUBRICATORS



Application

Usually mounted third in the F-R-L series, the lubricator is designed to inject oil aerosols into the air stream of a pneumatic circuit. As air flows from the regulator, some air is divided from the main orifice and is allowed to flow through the fill under pressure bleed assembly and pressurizes the bowl. This forces oil up in the siphon tube past a flow check and into the integral valve/sight dome. The oil then drops through the valve and into the atomization chamber at a rate that is automatically proportional to the airflow. This virtually eliminates the need for readjustment. The Monnaire Modulares™ lubricator can begin delivering lubrication at flows less than 2 SCFM.

Features

- Two convenient sizes
- Lubrication to begin at less than 2 SCFM
- Fillable under pressure
- Tamper-resistant knob standard
- Available with CircleView sight bowl
- Can be mounted as a modular or individual unit
- Button Head Fill option on both sizes
- Atomizing chamber develops longer life aerosols

22 SERIES LUBRICATOR

3.8-OUNCE CAPACITY
PIPE SIZE: 1/4, 3/8, 1/2"



PIPE SIZE	BOWL TYPE & MODEL NUMBER			FLOW CAPACITY	SCFM
	POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW		
1/4"	322-2100-2	322-2300-2	322-2000-2	C _v = 1.9	40
3/8"	322-2100-3	322-2300-3	322-2000-3	C _v = 3.0	70
1/2"	322-2100-4	322-2300-4	322-2000-4	C _v = 4.4	100

32 SERIES LUBRICATOR

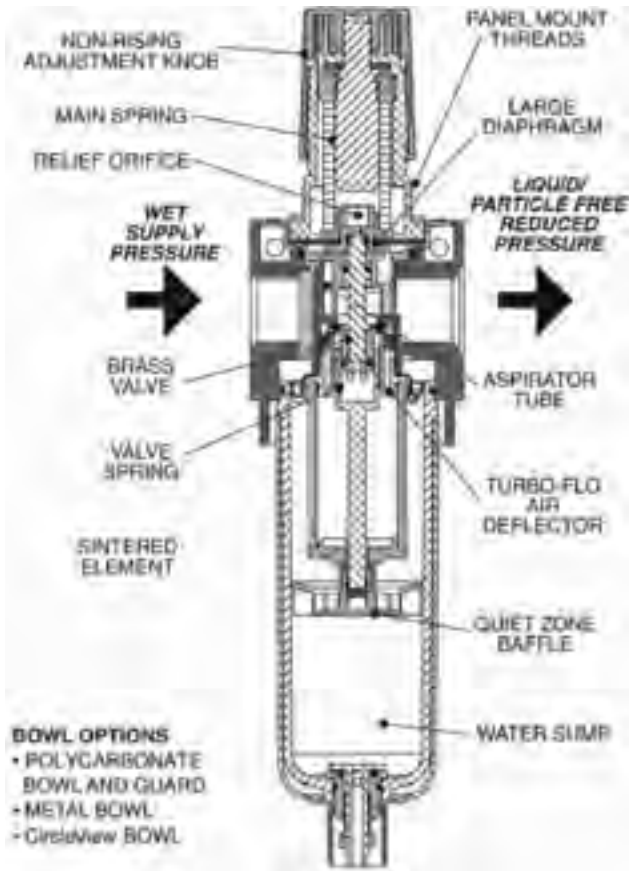
8.5-OUNCE CAPACITY
PIPE SIZE: 1/2, 3/4"



PIPE SIZE	BOWL TYPE & MODEL NUMBER			FLOW CAPACITY	SCFM
	POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW		
1/2"	332-1100-4	332-1300-4	332-1000-4	C _v = 4.7	110
3/4"	332-1100-6	332-1300-6	332-1000-6	C _v = 7.3	150

- To order with a manual drain, add suffix "K".
- To order with a Quick Fill Button Head, add suffix "Q".

AIR LINE MODULARS: MODULAR FILTER/REGULATORS



Application

The integral filter/regulator is a two-station component designed to filter and regulate compressed air when cost and space are a primary concern. As dirty, wet air enters, it immediately flows through the air deflector causing the air to move in a swirling motion. After condensed water is centrifugally removed, air passes through the filter and into the regulator. The high pressure air is systematically reduced via the adjustment spring and valve and exits the housing as clean and dry air that is ready to work at the specified pressure.

Features

- Two convenient sizes
- 5 micron sintered elements standard
- Can be installed as modular or individual unit
- Non-rising knob
- Standard output pressure 0-125 PSIG
- Bowl seals held captive

22 SERIES FILTER/REGULATOR

3.8-OUNCE CAPACITY
PIPE SIZE: 1/4, 3/8, 1/2"



PIPE SIZE	BOWL TYPE & MODEL NUMBER			SCFM AT REDUCED PRESSURE OF		
				25 PSIG	60 PSIG	80 PSIG
	POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW			
1/4"	FR22-2100-2	FR22-2300-2	FR22-2000-2	40	50	65
3/8"	FR22-2100-3	FR22-2300-3	FR22-2000-3	60	70	75
1/2"	FR22-2100-4	FR22-2300-4	FR22-2000-4	60	70	75

32 SERIES FILTER/REGULATOR

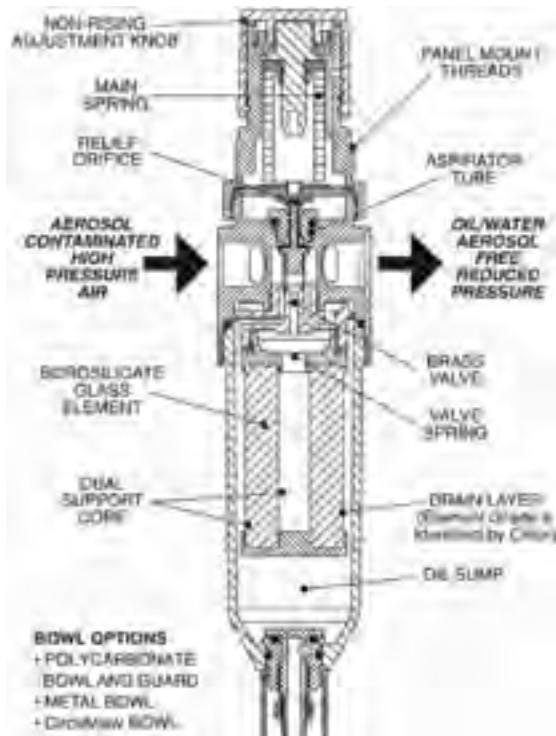
8.5-OUNCE CAPACITY
PIPE SIZE: 1/2, 3/4"



PIPE SIZE	BOWL TYPE & MODEL NUMBER			SCFM AT REDUCED PRESSURE OF		
				25 PSIG	60 PSIG	80 PSIG
	POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW			
1/2"	FR32-1100-4	FR32-1300-4	FR32-1000-4	100	115	130
3/4"	FR32-1100-6	FR32-1300-6	FR32-1000-6	100	115	130

- See Monnaire Modular™ Regulators for "Flow Characteristics".
- Flows are at 100 PSIG and a 25% PSID.

AIR LINE MODULARS: MODULAR COALESCING FILTER/REGULATORS



Features

- Cartridge element design
- Inner and outer support cores prevent element from crushing in either flow direction
- Connects to modular design
- Four element grades available

Application

Monnier's Monnaire Modular™ Coalescer/Regulator is a two-station point of use air preparation system designed to provide superior filtration and regulation in one compact housing. Available with four different element choices, the Coalescer/Regulator can be specified to attack and remove the exact type of contamination that is critical to the specific application.

Element Performance Data

Performance of any coalescing filter is in relationship to the velocity of the air passing through (inside to outside) the element. Since velocity and ΔP are directly proportional (the higher the pressure the higher the velocity), we must size filters according to the flow at the optimum pressure rather than at maximum velocity to atmosphere. Tests indicate the most effective ΔP for removing aerosols and contaminants from an airline is 1.5 PSI or less. This indicates that the filters are capable of flowing much more air than is recommended for maximum contamination removal. In the individual Monnaire Modular™ filter sections of the catalog, we have included the Cv ratings on all our coalescing filters. This allows an exact determination of flow based upon known parameters.

Recommended Uses

0.7 Micron Element, identified by its BLUE drain layer, is a relatively coarse coalescing filter for large amounts of water, rust, pipe scale and hydrocarbons. Excellent filter for environments that have severe contamination. Can be used for lubricated or "dry" systems. Mainline filtration of plant air.

0.3 Micron Element, identified by its GREEN drain layer, is a fine filter for cylinders or valves especially when the circuit is being run without lubrication ("dry"). Excellent filters for desiccant or regenerative style filters.

0.01 Micron Element, identified by its RED drain layer, is an ultrafine filter for oil free instrumentation air, blow molding, food and drug packaging, electronics applications and other applications requiring maximum contamination removal.

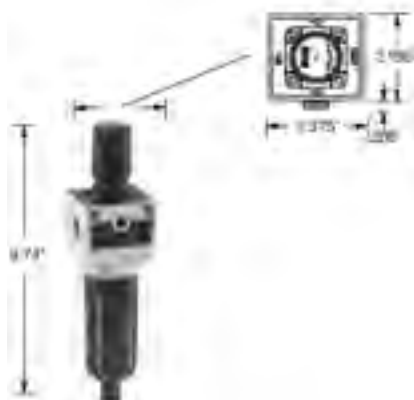
Adsorber Element, identified by its WHITE drain layer, is an adsorbing filter that utilizes activated carbon to deodorize compressed air. Typically, it is used to protect worker environments, food and drug applications and instrumentation for analytical instruments. Life expectancy is approximately 3 months at rated flow.

AIR LINE MODULARS: MODULAR COALESCING FILTER/REGULATORS

22 SERIES COALESCER/REGULATOR

3.8-OUNCE CAPACITY

PIPE SIZE: 1/4, 3/8, 1/2"



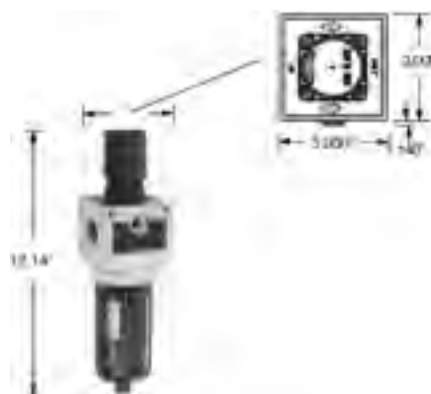
ELEMENT RATING:

			SCFM AT 100 PSIG INLET & 1.5 PSID ACROSS THE ELEMENT			
PIPE SIZE	BOWL TYPE & MODEL NUMBER					
0.7 MICRON						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW	25	60	100	
1/4"	FR22-2107-2	FR22-2307-2	FR22-2007-2	20	26	34
3/8"	FR22-2107-3	FR22-2307-3	FR22-2007-3			
1/2"	FR22-2107-4	FR22-2307-4	FR22-2007-4			
0.3 MICRON						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW				
1/4"	FR22-2103-2	FR22-2303-2	FR22-2003-2	8	11	15
3/8"	FR22-2103-3	FR22-2303-3	FR22-2003-3			
1/2"	FR22-2103-4	FR22-2303-4	FR22-2003-4			
0.01 MICRON						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW				
1/4"	FR22-2101-2	FR22-2301-2	FR22-2001-2	3	5	6
3/8"	FR22-2101-3	FR22-2301-3	FR22-2001-3			
1/2"	FR22-2101-4	FR22-2301-4	FR22-2001-4			
VAPOR ADSORBER						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW				
1/4"	FR22-210A-2	FR22-230A-2	FR22-200A-2	8	11	15
3/8"	FR22-210A-3	FR22-230A-3	FR22-200A-3			
1/2"	FR22-210A-4	FR22-230A-4	FR22-200A-4			

32 SERIES COALESCER/REGULATOR

8.5-OUNCE CAPACITY

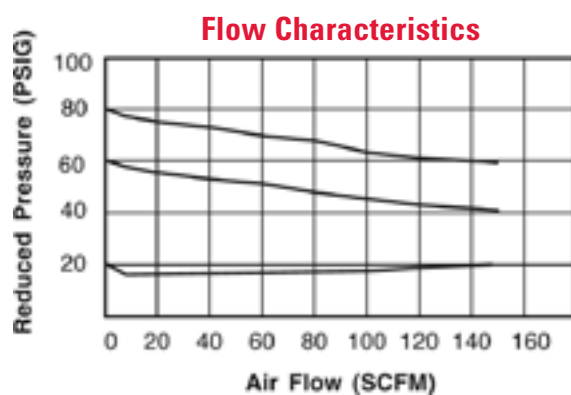
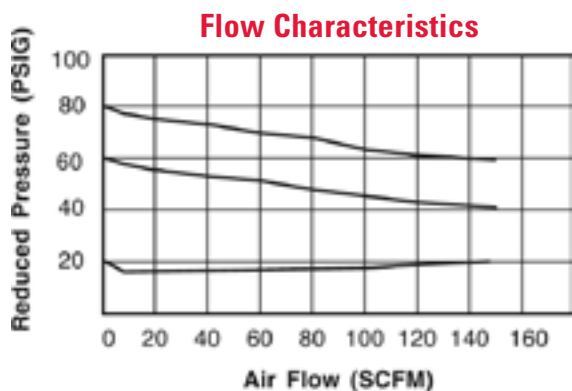
PIPE SIZE: 1/2, 3/4"



ELEMENT RATING:

				SCFM AT 100 PSIG INLET & 1.5 PSID ACROSS THE ELEMENT		
PIPE SIZE	BOWL TYPE & MODEL NUMBER					
0.7 MICRON						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW	25	60	100	
1/2"	FR32-1107-4	FR32-1307-4	FR32-1007-4	45	70	90
3/4"	FR32-1107-6	FR32-1307-6	FR32-1007-6			
0.3 MICRON						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW				
1/2"	FR32-1103-4	FR32-1303-4	FR32-1003-4	28	40	55
3/4"	FR32-1103-6	FR32-1303-6	FR32-1003-6			
0.01 MICRON						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW				
1/2"	FR32-1101-4	FR32-1301-4	FR32-1001-4	15	24	28
3/4"	FR32-1101-6	FR32-1301-6	FR32-1001-6			
VAPOR ADSORBER						
POLYCARBONATE W/BOWL GUARD	METAL	CIRCLE VIEW				
1/2"	FR32-110A-4	FR32-130A-4	FR32-100A-4	28	40	55
3/4"	FR32-110A-6	FR32-130A-6	FR32-100A-6			

Note: To order with prefilter, add suffix "E".



AIR LINE MODULARS: MODULAR COMBINATIONS

ASSEMBLY OPTIONS

MODEL CODE EXAMPLE:

A22-VFRL-2

C = Coalescer/Regulator Piggyback
D = Diverter Block
E = Diverter Plate
F = Filter
FF = Particulate & Coalescing Filters
L = Lubricators
P = Filter/Regulator Piggyback
R = Regulator
V = Shutoff Valve

SUFFIXES

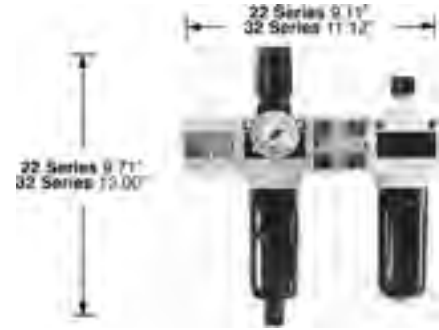
Description	Suffix
Impulse Drain	D
Automatic Float Drain	F
Metal Bowl	M
CircleView Bowl	C

SHUT OFF-FILTER REGULATOR-LUBRICATOR WITH GAUGE



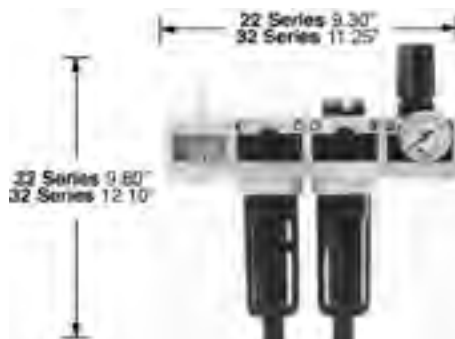
PIPE SIZE	MODEL NUMBER	
	22 SERIES	
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VFRL-2	A22-FRL-2
3/8"	A22-VFRL-3	A22-FRL-3
1/2"	A22-VFRL-4	A22-FRL-4
	32 SERIES	
1/2"	A32-VFRL-4	A32-FRL-4
3/4"	A32-VFRL-6	A32-FRL-6

SHUT OFF-FILTER/REGULATOR DIVERTER BLOCK-LUBRICATOR WITH GAUGE



PIPE SIZE	MODEL NUMBER	
	22 SERIES	
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VPDL-2	A22-PDL-2
3/8"	A22-VPDL-3	A22-PDL-3
1/2"	A22-VPDL-4	A22-PDL-4
	32 SERIES	
1/2"	A32-VPDL-4	A32-PDL-4
3/4"	A32-VPDL-6	A32-PDL-6

SHUT OFF-FILTER-COALESCEING FILTER-REGULATOR WITH GAUGE



PIPE SIZE	MODEL NUMBER	
	22 SERIES	
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VFFR-2	A22-FFR-2
3/8"	A22-VFFR-3	A22-FFR-3
1/2"	A22-VFFR-4	A22-FFR-4
	32 SERIES	
1/2"	A32-VFFR-4	A32-FFR-4
3/4"	A32-VFFR-6	A32-FFR-6

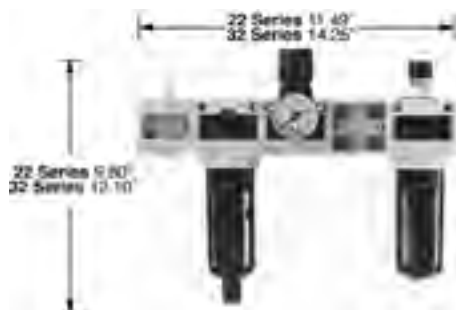
SHUT OFF-COALESCEER/ REGULATOR-LUBRICATOR WITH GAUGE



PIPE SIZE	MODEL NUMBER	
	22 SERIES	
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VCL-2	A22-CL-2
3/8"	A22-VCL-3	A22-CL-3
1/2"	A22-VCL-4	A22-CL-4
	32 SERIES	
1/2"	A32-VCL-4	A32-CL-4
3/4"	A32-VCL-6	A32-CL-6

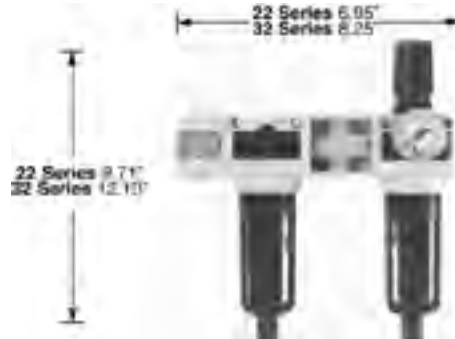
AIR LINE MODULARS: MODULAR COMBINATIONS

SHUT OFF-FILTER-REGULATOR-DIVERTER BLOCK-LUBRICATOR WITH GAUGE



PIPE SIZE	MODEL NUMBER	
22 SERIES		
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VFRDL-2	A22-FRDL-2
3/8"	A22-VFRDL-3	A22-FRDL-3
1/2"	A22-VFRDL-4	A22-FRDL-4
32 SERIES		
1/2"	A32-VFRDL-4	A32-FRDL-4
3/4"	A32-VFRDL-6	A32-FRDL-6

SHUT OFF-FILTER-DIVERTER BLOCK COALESCER/REGULATOR WITH GAUGE



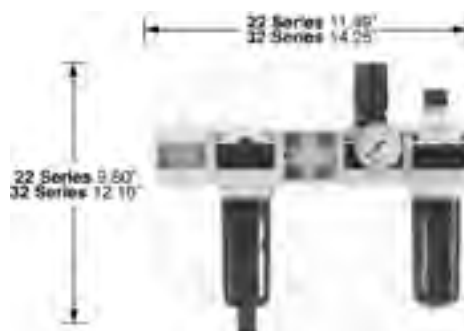
PIPE SIZE	MODEL NUMBER	
22 SERIES		
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VFDC-2	A22-FDC-2
3/8"	A22-VFDC-3	A22-FDC-3
1/2"	A22-VFDC-4	A22-FDC-4
32 SERIES		
1/2"	A32-VFDC-4	A32-FDC-4
3/4"	A32-VFDC-6	A32-FDC-6

SHUT OFF-FILTER/REGULATOR-LUBRICATOR WITH GAUGE



PIPE SIZE	MODEL NUMBER	
22 SERIES		
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VPL-2	A22-PL-2
3/8"	A22-VPL-3	A22-PL-3
1/2"	A22-VPL-4	A22-PL-4
32 SERIES		
1/2"	A32-VPL-4	A32-PL-4
3/4"	A32-VPL-6	A32-PL-6

SHUT OFF-FILTER DIVERTER BLOCK REGULATOR-LUBRICATOR WITH GAUGE



PIPE SIZE	MODEL NUMBER	
22 SERIES		
	W/ SHUTOFF	W/O SHUTOFF
1/4"	A22-VFDRL-2	A22-FDRL-2
3/8"	A22-VFDRL-3	A22-FDRL-3
1/2"	A22-VFDRL-4	A22-FDRL-4
32 SERIES		
1/2"	A32-VFDRL-4	A32-FDRL-4
3/4"	A32-VFDRL-6	A32-FDRL-6

AIR LINE MODULARS: MODULAR ACCESSORIES

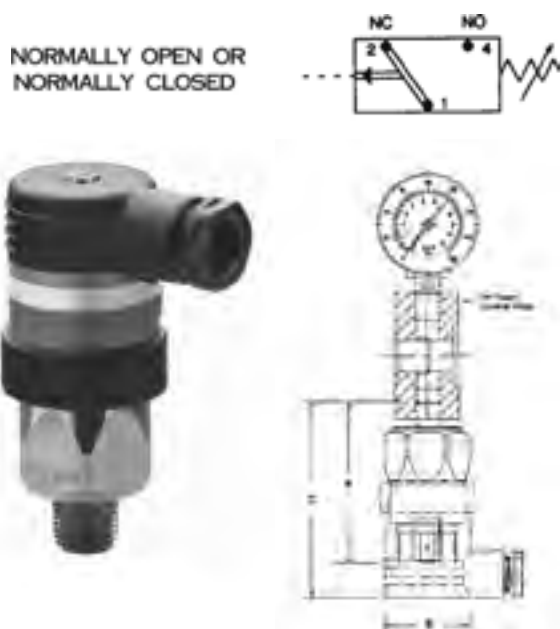
MONNAIRE MODULAR™ T-HANDLE DRIVERS

For easy assembly or disassembly of Monnaie Modular™ combinations, we recommend T-Handle drivers. For your convenience, we offer both sizes required.

SERIES	MODEL NUMBER	SIZE RANGE
22	TH-22	3.0 mm
32	TH-32	4.0 mm



MONNAIRE MODULAR™ PRESSURE SWITCHES



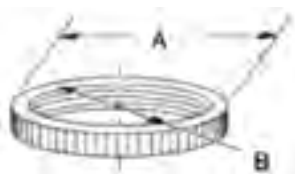
APPLICATION

Monnier's line of pressure switches is designed for accurate indication that proper system pressure is being achieved. Available in 1/8" or 1/4" threads, it is easily incorporated into an air system using a diverter plate or other manifold. With its rugged housing made from zinc coated steel, Monnier's pressure switches are designed for industrial multi-million cycle applications. The four pin connector plug is included and contains a key way preventing accidental misconnection. Pressure adjustment is tamper resistant hindering unauthorized changes. It can be wired in either normally open or normally closed configurations and includes a case ground pin.

SPECIFICATIONS

- Contact Rating: 4 A @ 250 VAC
- Protection: IP 65, terminals IP00
- Maximum Operation: 200/min
- Temperature Range: 0° F to 190° F/-15° C to 85° C
- Maximum Pressure: 300 PSI/20 BAR
- Maximum Voltage: 250 VAC/200 DC
- Hysteresis Adjustment: 15%
- Connector Material: Polyamid
- Diaphragm Material: Buna N
- Housing Material: Zinc Plated Steel

PANEL MOUNT NUT



SERIES	MODEL DIA.	HOLE	A	B
22	PN-22	1.31"	1.50"	1-1/4-16
32	PN-32	1.77"	2.05"	1-3/4-16

THREAD NPT	MODEL NO. PSIG 180	PSIG	DIMENSIONS		
			A	B	C
1/8"	PS180B-1	4-20	2.5	1.0	3.1
1/8"	PS180C-1	14-150	2.5	1.0	3.1
1/4"	PS180B-2	4-20	2.5	1.0	3.1
1/4"	PS180C-2	14-150	2.5	1.0	3.1
METRIC G-TAP	MODEL NO. PSIG 180	PSIG	A	B	C
1/4"	PSG180B-2	4-20	2.3	1.0	2.9
1/4"	PSG180C-2	14-150	2.3	1.0	2.9
REPLACEMENT CAP PS-180					

DIVERTER BLOCKS

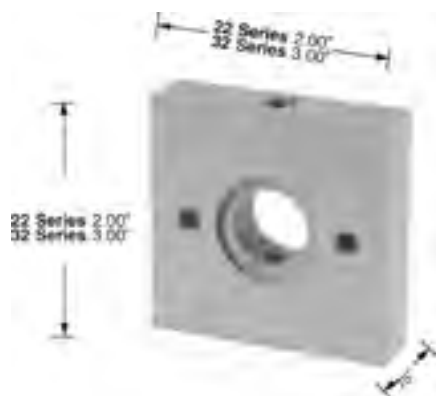
Designed to give Monnaire Modulars™ components total versatility, the diverter block mounts directly inline with the FRL combination. Additional components can then be manifold mounted in a compact manner that doesn't cause excessive pressure drop. There are two available ports per unit; both are tapered for standard service.



MODEL NUMBER			
SERIES	NPTF	G TAP	PORTS
22	DB-22	DBG-22	Tapped 1/2" NPTF in and out with two 3/8" NPTF branches.
32	DB-32	DBG-32	Tapped 3/4" NPTF in and out with two 1/2" NPTF branches.

DIVERTER PLATES

Monnaire Modular™ Diverter Plates are designed to provide air signals in compact space. Used individually or in combination they can be used with gauges or switches to determine a pressure or ΔP signal.



MODEL NUMBER			
SERIES	NPTF	G TAP	OUTLET PORTS
22	DP-22	DPG-22	1/8"
32	DP-32	DPG-32	1/8"

SHUT-OFF VALVE

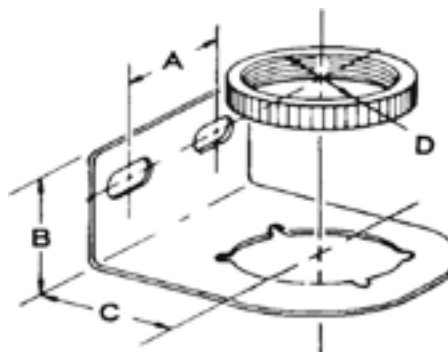
Features

- Cartridge element design
- Inner and outer support cores prevent element from crushing in either flow direction
- Connects to modular design
- Four element grades available



MODEL NUMBER			
SERIES	NPTF	G TAP	PORTS
22	V22-2	VG22-2	1/4"
	V22-3	VG22-3	3/8"
	V22-4	VG22-4	1/2"
32	V32-4	VG32-4	1/2"
	V32-6	VG32-6	3/4"

MOUNTING BRACKETS



		DIMENSIONS			
SERIES	MODEL NO.	A	B	C	D
22	MB-22	.69"	1.06"	1.25"	1-1/4"-16
32	MB-32	1.63"	1.20"	1.50"	1-3/4"-16

Application: Mounts between two units

The background of the entire page is a stylized, monochromatic red representation of the United States flag. It features a field of stars in the upper left corner and wavy horizontal stripes across the rest of the page.

**MONNIER IS
PROUD TO BE MADE
IN AMERICA!**



Custom Solutions

Monnier has become known as the air preparation manufacturer where “custom solutions become standard” because of its extensive expertise in developing application specific products for customers.

The following provides just a few examples of the custom product solutions Monnier has developed:

A: Plunger Actuated Regulator

- Application: Food service
- Requirement: A regulator that provides regulated pressure in relation to the actuation of a lever.
- Solution: A plunger actuated regulator that increases secondary pressure as the plunger is depressed.

B: Natural Gas Filter/Regulator

- Application: Natural gas scrubbers
- Requirement: A filter/regulator capable of flowing natural gas or compressed air in a corrosive environment.
- Solution: A custom black anodized filter/regulator with internals designed to withstand natural gas and its byproducts. The glass filled acetal bonnet offers convenient adjustment while minimizing the susceptibility to chemical attack.

C: Railcar Filters

- Application: Transportation
- Requirement: High flow compressed air filters that can withstand the harsh conditions of railcar service.
- Solution: Custom filters based on the 201-5000 series of particulate filters. The all machined aluminum construction allows them to perform in even the most challenging environments. The depth filtration elements provide a long service life with minimal pressure drop.



D: Regulator/Valve Manifold

- Application: Instrumentation
- Requirement: Helium compatible regulator integrated into valve manifold.
- Solution: Custom cartridge style regulator designed with special “zero leak” internals assembled into custom manifold.

E: Bus/Truck Driver Seat Regulator

- Application: Transportation
- Demands: Accuracy, repeatability, compact size
- Solution: Custom regulator with lower profile bonnet, custom mounting connection, preset to +/- 2 PSIG of the set point.

F: CO2 Beverage Regulator

- Application: Food & Beverage
- Demands: Preset, accurate CO2 regulator to fit preexisting manifold.
- Solution: Miniature regulator with custom manifold mounting interface preset to OEM specifications.

WARRANTY: Monnier, Inc. warrants each product against defects in material and workmanship for a period of one year from the date of manufacture providing its use was in accordance with Monnier, Inc. recommendations. If the product fails to perform as warranted, Monnier, Inc. will, at its option, repair or replace the product free of charge. The company will not be liable for incidental or consequential damages. We make no other warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose.

MON13



Where Custom Solutions Become Standard.

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