



Stainless Steel Air Preparation Products

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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)

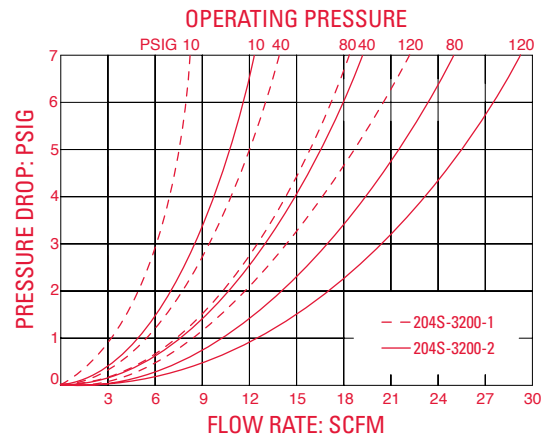
Operating Specifications

Maximum Pressure: 250 PSI
Maximum Temperature: 200°F

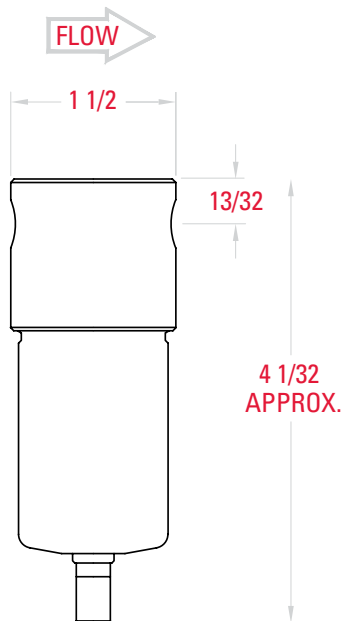
Replacement Parts

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

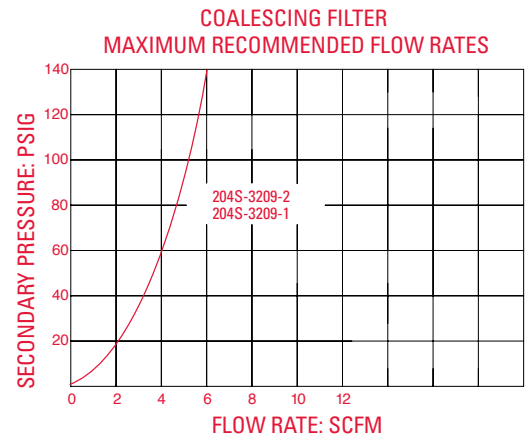
Replacement Parts

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

Materials of Construction

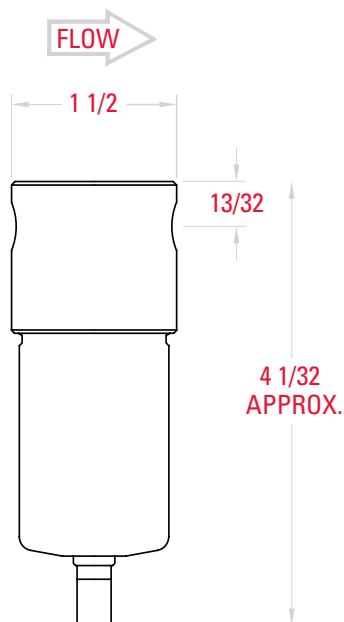
Head: 316 Stainless Steel
Bowl: 316 Stainless Steel
Whirl Disc: 316 Stainless Steel
Element Retainer: Polypropylene
Element: Borosilicate Glass Fiber
Seals: Fluorocarbon
Drain: 316 Stainless Steel (Manual & Impulse)

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)	D
Seals	
Fluorocarbon	Blank X
FDA Buna-N	X

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

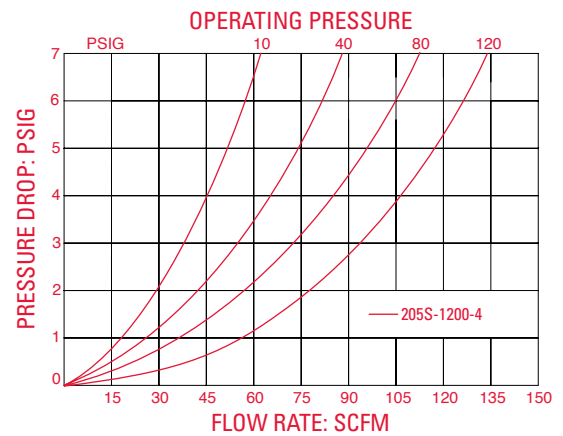


Automatic Drain

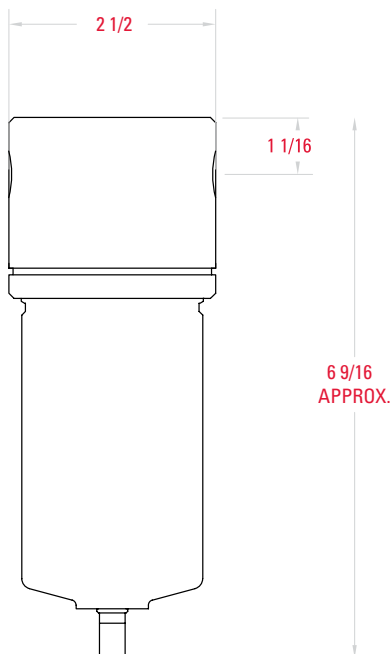
Operating Specifications

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



Manual Drain



Automatic Drain

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)

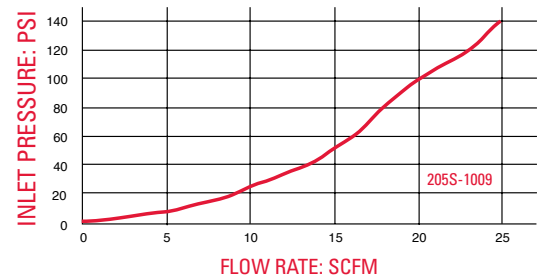
Drain:

Manual: 316 Stainless Steel

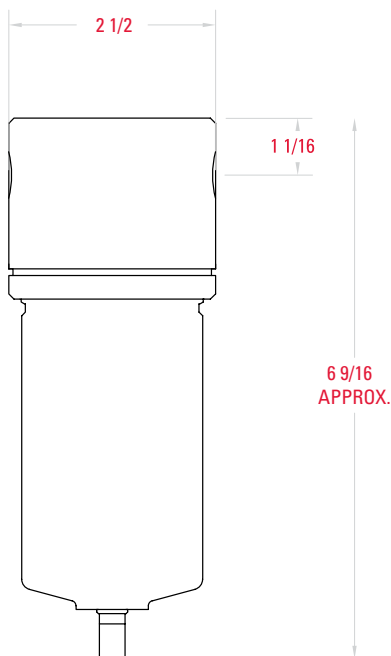
Float: Acetal and Stainless Steel

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

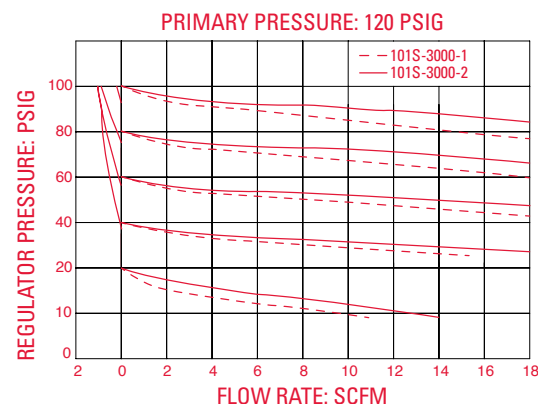
Replacement Parts

Repair Kit		
Relieving		13532SS
Non Relieving		13533SS

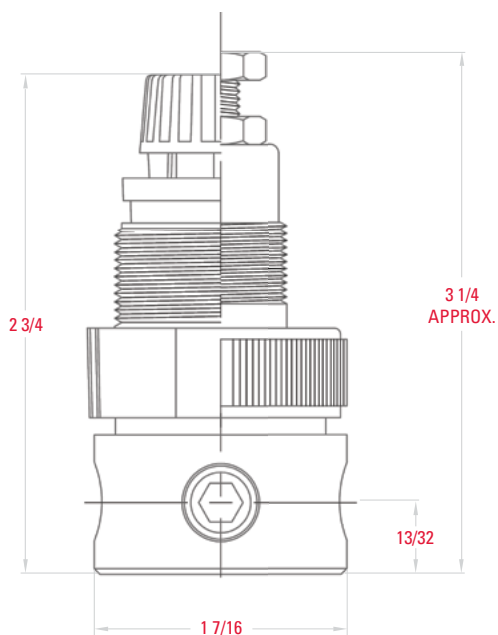
Materials of Construction

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:

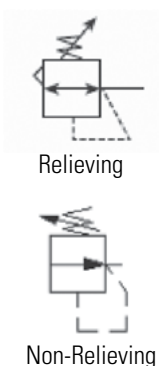
- Relieving:** 11531SS
- Relieving (20-250 PSI):** 11538SS
- Non-Relieving:** 11532SS
- Non-Relieving (20-250 PSI):** 11539SS

Panel Nut: 11194SS

Bracket: 11123SS

Operating Specifications

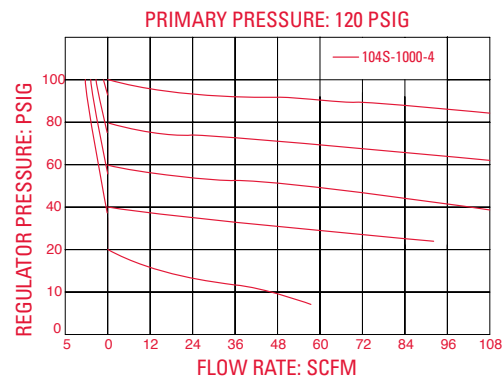
- Gauge Ports:** two 1/8" NPT (Standard)
- Maximum Inlet Pressure:** 250 PSIG
- Temperature Rating:** 0-175°F
- Relief Port:** M5
- Inlet/Outlet Ports:** 1/2" NPT



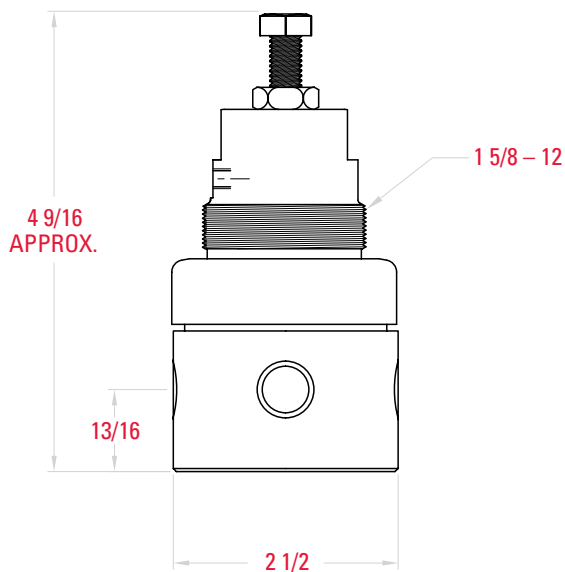
Materials of Construction

- 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

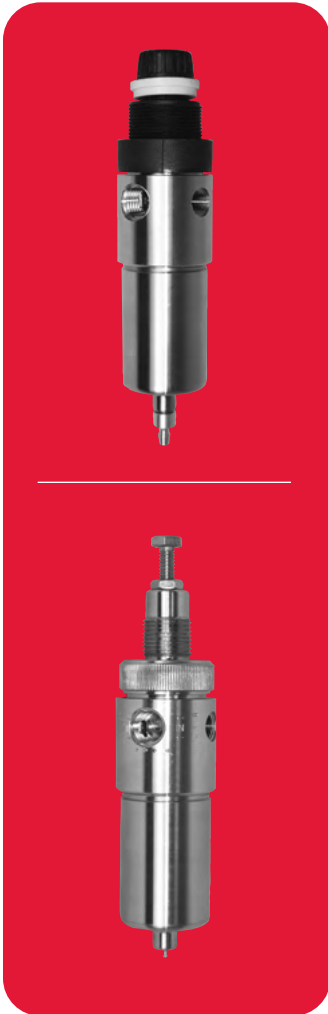
Attachment Parts

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

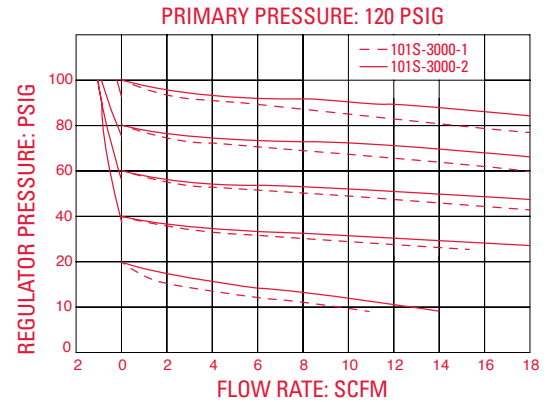
Replacement Parts

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

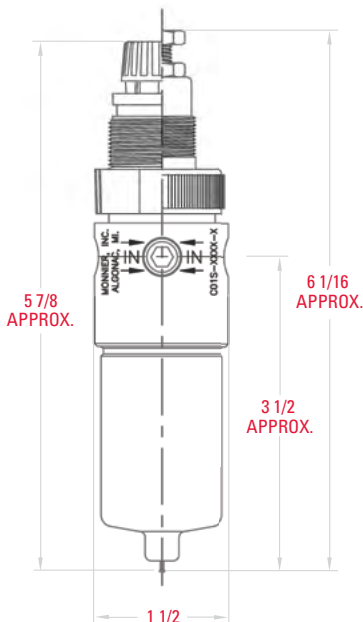
Materials of Construction

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

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

OPTIONS

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

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

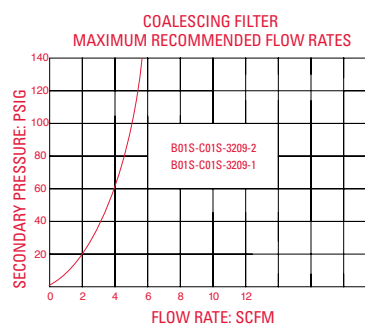
Materials of Construction

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

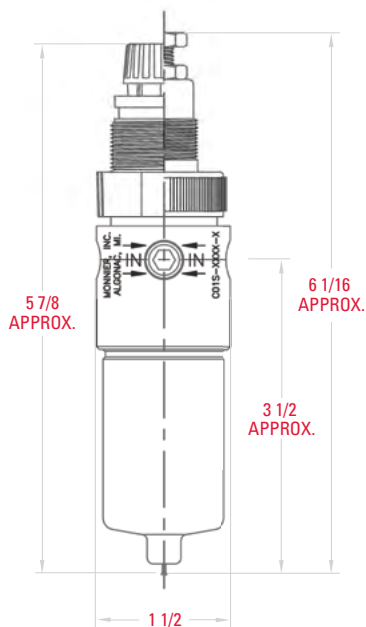
Mounting Nut: 13133SS (B01); 13025SS (C01)

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

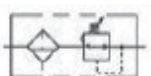
Pressure Range	
10-130 PSI Relieving	00
10-130 PSI Non-Relieving	01
5-60 Relieving	02
5-60 Non-Relieving	03
3-30 Relieving	04
3-30 Non-Relieving	05
20-250 Relieving	06
20-250 Non-Relieving	07
1-10 Relieving	08
1-10 Non-Relieving	09

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

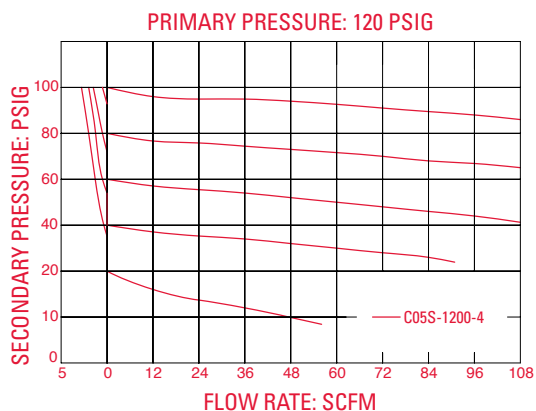
Panel Nut: 11194SS

Bracket: 11123SS

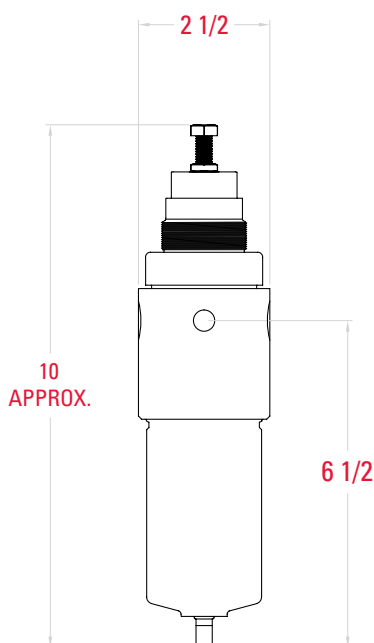
Materials of Construction

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**