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

---

**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.

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**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.

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**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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**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.
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

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)
Dust: 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)

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

Flow Characteristics

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

Dimensions

Ordering Information
B01-3000-2

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

Flow Rate: SCFM
Primary Pressure: 120 PSIG
Primary Pressure: PSIG
Regulator Pressure: PSIG

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

Hアルフレンフィルターシリーズ 3000 Micro Series（日立）
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)

**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

**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

**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**

**Flow Rate vs. Secondary Pressure for Coalescing Filters**

**Dimensions**
- **6 5/32 APPROX.**
- **3 1/2**
- **1 1/2**

**Ordering Information**
- **B01-3009-2**

**OPTIONS**
- **Anodizing**
  - Green: Blank
  - Blue: A1
  - Black: A2
  - Clear: A3
  - Red: A5
  - Yellow: A6
  - Gold: A7
  - Purple: A8

- **Drain**
  - Manual: Blank
  - Impulse: D

- **Seats**
  - Buna-N: Blank
  - Fluorocarbon: V

- **Tamperproof**
  - Tamperproof: T
  - Preset and Tamperproof: PT
  - Preset and Tamperproof: PTS

- **Attachement Parts**
  - Bracket: B
  - Gauge: G
  - Knob: K

**Flow Rate vs. Secondary Pressure for Coalescing Filters**

**Maximum Recommended Flow Rates**

**Pressure**
- 10-130 Relieving
- 10-130 Non-Relieving
- 5-60 Relieving
- 5-60 Non-Relieving
- 3-30 Relieving
- 3-30 Non-Relieving
- 20-250 Relieving (Aluminum Bonnet Only)
- 20-250 Non-Relieving (Aluminum Bonnet Only)
- 1-10 Relieving
- 1-10 Non-Relieving

**Flow Rate SCFM**

**Secondary Pressure PSIG**

![Flow Rate Chart](chart_url)

**Notes**
- **B01-3010-X**
  - **6 5/32 APPROX.**
  - **3 1/2**
  - **1 1/2**
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

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

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:
2000 Series Poly: 22520 Alum: 22537 Alum w/Sight Level: 22521-T
1000 Series 21557 21558 21559-T

Dimensions

Orders Information

C01-1000-2

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

Primary Pressure: 120 PSIG
Flow Rate: SCFM
Secondary Pressure: PSIG
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

**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)
- **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

**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)

**Flow Characteristics**

**Ordering Information**

**C01-1009-2**

**Options**
- **Color**
  - Anodizing: Green, Blue, Black, Clear, Red, Gold, Purple
  - Tamperproof: Blank, T
- **Drain**
  - Manual Blank, Impulse (External) D, Float (External) F
- **Seals**
  - Buna-N Blank, Fluorocarbon V
- **Preset**
  - Blank, T

**Dimensions**

**Flow Rate: SCFM**

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<tr>
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<td>120</td>
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**Preset and Tamperproof PT**

**Attachment Parts**
- Bracket: B
- Gauge: G
- Knob: K
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

Material of Construction
- Body: Machined Aluminum
- Bonnet: Glass Filled Acetal
- Knob, Adjuster & Mounting Nut: Acetal
- Diaphragm Gasket: Acetal
- Springs: Music Wire
- Spring Guide: Machined Aluminum
- 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

 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

Flow Characteristics

Dimensions

Ordering Information
- B05-1000-2

Options
- Anodizing:
  - Black: Blank
  - Blue: A1
  - Clear: A3
  - Green: A4
  - Red: A5
  - Yellow: A6
  - Gold: A7
  - Purple: A8
- Pressure Range:
  - 0-150 Relieving: 0
  - 0-150 Non-Relieving: 1
  - 0-50 Relieving: 2
  - 0-50 Non-Relieving: 3
- Elements:
  - 20 Micron: 21205
  - 10 Micron: 21036
  - 3 Micron: 21037
- Pipe Size:
  - 1/4: 2
  - 3/8: 3
  - 1/2: 4
- Ordering Information
  - Options
  - Attachment Parts
  - 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:
- 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

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
Preset T
Preset and Tamperproof PT

Flow Rate
SCFM

Primary Pressure: 120 PSIG

Secondary Pressure: PSIG

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

10 9/16 APPROX.

2 1/2

4 1/4
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:
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
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

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