Air Preparation Units
Filters, Regulators, and Lubricators

Parker

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

ENGINEERING YOUR SUCCESS.
Filters

- Pipe Sizes 1/8 thru 1½ Inch
- Flows to 310 SCFM
- Pressures to 250 PSIG

Air filters are designed to remove airborne solid contaminants, pipe scale, rust, pipe dope, etc., which may plug small orifices or cause excessive wear and premature failure of pneumatic components.

- Miniature 14F Series, 1/8 and 1/4 Inch
- Miniature FF504 Stainless Series, 1/4 Inch
- Economy 05F Series, 1/4 and 3/8 Inch
- Compact 06F Series, 1/4, 3/8 and 1/2 Inch
- Standard FF10 Stainless Series, 1/2 Inch
- Standard 07F Series, 3/8, 1/2 and 3/4 Inch
- Hi-Flow P3NF Series, 3/4, 1 and 1-1/2 Inch

Filter Selection

1. Determine maximum system flow requirements.
2. Determine maximum allowable pressure drop at rated flow in SCFM.
3. Refer to flow chart and select filter pipe size by choosing curve that offers minimum pressure drop at desired flow in SCFM. For optimum performance, a 2 to 5 PSIG pressure drop should be selected.

Reading Flow Charts to Size Filters

Once the required flow is determined for a pneumatic application, the filter can be selected by using the flow chart. To read the filter flow chart, first determine the inlet pressure that will be used. Find the appropriate pressure curve on the graph. Each graph will contain three pressure curves. If the required inlet pressure is not on the graph, interpolate a similar curve for the required pressure. Next, determine the acceptable pressure drop across the filter and locate it on the vertical axis. Find the intersection point of the acceptable pressure drop and the inlet pressure curve. At this point follow a vertical path downward to view the flow in SCFM. If the flow is too low, select a larger port size or body size to give the required flow. If the flow is higher than necessary, select a smaller port size or body size to give the required flow.
First Stage Filtration:

Air enters at inlet port and flows through deflector plate (A) which causes a swirling action. Liquids and coarse particles are forced to the bowl interior wall (B) by the centrifugal action of the swirling air. They then carry down the bowl wall by the force of gravity. Shroud (C) assures that the proper swirling action occurs and that the air does not pass directly through the filter element (D) until the large particles and liquids are removed. The baffle (E) separates the lower portion of the bowl into a “quiet zone” where the removed liquids and particles collect, unaffected by the swirling air, and are therefore not reentrained into the flowing air.

Second Stage Filtration:

After liquids and large particles are removed in the first stage of filtration, the air flows through element (D) where smaller particles are filtered out and retained. The filtered air then passes downstream. Collected liquids and particles in the “quiet zone” should be drained before their level reaches a height where they would be reentrained in the flowing air. This can be accomplished by the twist drain (F) which is actuated by twisting knob (G) counterclockwise.
14F Filters – Miniature

Features
- Excellent water removal efficiency.
- Unique deflector plate that creates swirling of the air stream ensuring maximum water and dirt separation.
- Easily disassembled for servicing without the use of tools.
- 5 micron element standard.
- Interchangeable Twist and Automatic Pulse Drains.
- High Flow: 1/8” – 22 SCFM§
  1/4” – 24 SCFM§

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT</th>
<th>Twist Drain</th>
<th>Automatic Pulse Drain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly Bowl</td>
<td>1/8&quot;</td>
<td>14F01B*</td>
<td>14F05B*</td>
</tr>
<tr>
<td></td>
<td>1/4&quot;</td>
<td>14F11B*</td>
<td>14F15B*</td>
</tr>
<tr>
<td>Metal Bowl</td>
<td>1/8&quot;</td>
<td>14F03B*</td>
<td>14F07B*</td>
</tr>
<tr>
<td></td>
<td>1/4&quot;</td>
<td>14F13B*</td>
<td>14F17B*</td>
</tr>
</tbody>
</table>

For polycarbonate bowl see Caution on page 2.
§ SCFM – Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

Ordering Information

Port Size
0 1/8 Inch
1 1/4 Inch

Bowl Options
- Polycarbonate Bowl
  1 Twist Drain
  5 Automatic Pulse Drain
- Metal Bowl
  3 Twist Drain
  7 Automatic Pulse Drain

Elements
B 5 Micron

Engineering Level
* Will be Entered at Factory

Port Type
Blank NPT
Technical Information

14F Filter Kits & Accessories

Bowl Kits –
Poly Bowl –
  Automatic Pulse Drain ................................................. PS408BP
  Twist Drain ..................................................................... PS404P
Metal Bowl –
  Automatic Pulse Drain ................................................. PS451BP
  Twist Drain ................................................................... PS447BP
Filter Element Kits –
  40 Micron Element .................................................................... PS401
  5 Micron Element ...................................................................... PS403
  5 Micron Element Kit (element and retainer) ......................... PS407P
Mounting Bracket ................................................................ PS417BP

Specifications

Automatic Pulse Drain Tube Barb ......................... 1/8 Inch
Bowl Capacity ............................................................ 1 Ounce
Port Threads .............................................................. 1/8, 1/4 Inch
Pressure & Temperature Ratings –
  Polycarbonate Bowl ........................................... 0 to 150 PSIG (0 to 10.3 bar)
  32°F to 125°F (0°C to 52°C)
  Metal Bowl ........................................................... 0 to 250 PSIG (0 to 17.2 bar)
  32°F to 175°F (0°C to 80°C)
  Automatic Pulse Drain ........................................... 10 to 250 PSIG (0.7 to 17.2 bar)
  at 125°F (52°C) or less
Weight ................................................................. 0.41 lb. (0.18 kg)

Materials of Construction

Body .................................................................................. Zinc
Bowls ........................................................................... Transparent Polycarbonate
  Metal (Zinc) Bowl w/o Sight Gauge Metal
Deflector, Element Holder & Baffle ......................... Plastic
Drains –
  Twist Drain –
    Body & Stem .......................................................... Plastic
    Seals ........................................................................ Nitrile
  Automatic Pulse Drain –
    Piston & Seals ......................................................... Nitrile
    Stem, Seat, Adaptor & Washers.......................... Aluminum
Filter Elements –
  5 Micron (Standard) .................................................. Plastic
  Seals ........................................................................ Nitrile
**Ordering Information**

**FF504 Filter – Miniature**

**Features**
- Stainless steel construction handles most corrosive environments.
- Fluorocarbon seals standard.
- 1/8" female threaded drain.
- High Flow: 1/4" - 23 SCFM

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot;</td>
<td>FF504-02DGSS</td>
</tr>
</tbody>
</table>

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

**Ordering Information**

**Port Type**
- NPT

**Port Size**
- 02 1/4 Inch

**Bowl**
- D Metal Bowl without Sight Gauge

**Element**
- G 5 Micron

**Material**
- SS Stainless Steel
Technical Information

FF504 Filter Kits & Accessories
Filter Element Kit – Particulate (5 Micron) Element ........................................ EK504Y
Manual Twist Drain – Small (Old) ................................................................. SA600Y7-1SS
Large (New) ................................................................................. SAP05481
Pipe Nipple – 1/4" 316 Stainless Steel ............................................. 616Y28-SS

Specifications
Bowl Capacity ................................................................. 1.0 Ounces
Filter Rating ................................................................. 5 Micron
Sump Capacity ............................................................... 0.4 Ounce
Port Threads ................................................................. 1/4 Inch

Pressure & Temperature Ratings –
Manual Twist Drain ........................................ 0 to 300 PSIG (0 to 20.7 bar)
0°F to 180°F (18°C to 82°C)
Note: Air must be dry enough to avoid ice formation at
temperatures below 32°F (2°C).
Weight ................................................................. 0.6 lb. (0.27 kg)

Materials of Construction
Body ................................................................. 316 Stainless Steel
Bowls ................................................................. 316 Stainless Steel
Deflector ................................................................. Acetal
Drain ................................................................. 316 Stainless Steel
Element Holder ................................................................. Acetal
Filter Element ................................................................. Polyethylene
Seals ................................................................. Fluorocarbon
05F Filters – Economy

Features
- Excellent water removal efficiency.
- Unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation.
- Large filter element surface guarantees low pressure drop and increased element life.
- 5 micron filter element standard.
- Shown with metal bowl guard.
- High Flow: 1/4" – 54 SCFM§
  3/8" – 70 SCFM§

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Twist Drain</td>
</tr>
<tr>
<td>Poly Bowl / Metal Guard</td>
<td>05F12B*</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>05F22B*</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>05F1PB*</td>
</tr>
<tr>
<td>05F2PB*</td>
<td></td>
</tr>
<tr>
<td>Metal Bowl / Sight Gauge</td>
<td>05F14B*</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>05F24B*</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>05F1TB*</td>
</tr>
<tr>
<td>05F2TB*</td>
<td></td>
</tr>
</tbody>
</table>

† For polycarbonate bowl see Caution on page 2.
§ SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

Ordering Information

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Bowl Options</th>
<th>Elements</th>
<th>Engineering Level</th>
<th>Port Type</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 Inch</td>
<td>1/4 Inch Polycarbonate Bowl, 2 Metal Bowl Guard/Twist Drain, P Metal Bowl Guard/Auto Pulse Drain</td>
<td>Metal Bowl, 4 Sight Gauge/Twist Drain, T Sight Gauge/Auto Pulse Drain</td>
<td>B 5 Micron</td>
<td>Blank NPT</td>
<td>Blank No Options</td>
</tr>
<tr>
<td>3/8 Inch</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**05F Filter Kits & Accessories**

- **Bowl Guard Kit** ........................................... PS905P
- **Bowl Kits** –
  - Poly Bowl –
    - Automatic Pulse Drain .......................... PS995P
    - Twist Drain ........................................ PS932P
  - Metal Bowl –
    - Sight Gauge / Automatic Pulse Drain ........ PS996P
    - Sight Gauge / Twist Drain ..................... PS935P
- **Drain Kit** –
  - Automatic Pulse Drain .............................. PS998P
  - Twist Drain ........................................... PS932P
- **Filter Element Kits** –
  - 5 Micron Element ................................. PS902P
  - 40 Micron Element ................................. PS901P
- **Mounting Bracket Kit** ............................. PS943P
- **Sight Gauge Kit** ........................................ PS914P

**Specifications**

- **Bowl Capacity** ........................................ 2.0 Ounces
- **Sump Capacity** ........................................ 0.9 Ounce
- **Port Threads** ........................................ 1/4, 3/8 Inch

**Pressure & Temperature Ratings** –

- **Without Differential Pressure Indicator:**
  - Polycarbonate Bowl – 0 to 150 PSIG (0 to 10.3 bar)
    - 32°F to 125°F (0°C to 52°C)
  - Metal Bowl – 0 to 250 PSIG (0 to 17.2 bar)
    - 32°F to 175°F (0°C to 80°C)
- **With Differential Pressure Indicator:**
  - 0 to 150 PSIG (0 to 10.3 bar)
    - 32°F to 125°F (0°C to 52°C)
  - Automatic Pulse Drain – 10 to 150 PSIG (0.7 to 10.3 bar)

**Weight** ..................................................... 1.2 lb. (0.54 kg)

**Materials of Construction**

- **Body** .................................................. Zinc
- **Bowls** .............................................. Transparent Polycarbonate or Metal (Zinc) With or Without Sight Gauge
- **Collar** ................................................ Plastic
- **Deflector, Shroud & Baffle** ...................... Plastic
- **Drain** ................................................ Plastic
- **Filter Elements** –
  - 5 Micron ............................................. Plastic
- **Seals** ................................................ Nitrile
- **Sight Gauge, DPI** .................................. Polyamide (Nylon)
06F Filters – Compact

Features
- Excellent water removal efficiency.
- Unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation.
- Large filter element surface guarantees low pressure drop and increased element life.
- Optional automatic float drain available.
- Shown with metal bowl guard.
- High Flow: 1/4” – 53 SCFM\(^\S\)
  3/8” – 80 SCFM\(^\S\)
  1/2” – 85 SCFM\(^\S\)

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly Bowl² / Metal Guard</td>
<td></td>
</tr>
<tr>
<td>1/4”</td>
<td>06F12B* 06F16B*</td>
</tr>
<tr>
<td>3/8”</td>
<td>06F22B* 06F26B*</td>
</tr>
<tr>
<td>1/2”</td>
<td>06F32B* 06F36B*</td>
</tr>
<tr>
<td>Metal Bowl / Sight Gauge</td>
<td></td>
</tr>
<tr>
<td>1/4”</td>
<td>06F14B* 06F18B*</td>
</tr>
<tr>
<td>3/8”</td>
<td>06F24B* 06F28B*</td>
</tr>
<tr>
<td>1/2”</td>
<td>06F34B* 06F38B*</td>
</tr>
</tbody>
</table>

² For polycarbonate bowl see Caution on page 2.
\(\S\) SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

Ordering Information

Port Size

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

Bowl Options

- Polycarbonate Bowl
- Metal Bowl Guard / Twist Drain
- Metal Bowl Guard / Auto Float Drain
- Metal Bowl
- Sight Gauge / Twist Drain
- Sight Gauge / Auto Float Drain

Elements

B 5 Micron

Engineering Level

* Will be Entered at Factory

Options

Blank None

Port Type

Blank NPT

Notes: 1/4 & 3/8 inch meet ISO 1179-1 Standard.
Technical Information

06F Filter Kits & Accessories

Bowl Guard Kit ............................................................. PS705P

Bowl Kits –
Poly Bowl –
Automatic Float Drain ........................................... PS722P
Twist Drain ............................................................. PS732P
Metal Bowl –
Sight Gauge / Automatic Float Drain ..................... PS723P
Sight Gauge / Twist Drain ................................. PS735P

Drain Kits –
Automatic Float Drain ............................................. PS506P
Twist Drain ............................................................. PS512P

Filter Element Kits –
5 Micron Element .................................................. PS702
40 Micron Element .................................................. PS701

Mounting Bracket Kit ............................................. PS743P
Sight Gauge Kit ....................................................... PS914P

Specifications

Bowl Capacity ......................................................... 4.4 Ounces
Sump Capacity ....................................................... 1.75 Ounces
Port Threads ............................................................ 1/4, 3/8, 1/2 Inch

Pressure & Temperature Ratings –
Without Differential Pressure Indicator:
Polycarbonate Bowl – 0 to 150 PSIG (0 to 10.3 bar)
32°F to 125°F (0°C to 52°C)
Metal Bowl – 0 to 250 PSIG (0 to 17.2 bar)
32°F to 175°F (0°C to 80°C)

With Differential Pressure Indicator: 0 to 150 PSIG (0 to 10.3 bar)
32°F to 175°F (0°C to 80°C)

Automatic Float Drain – 15 to 250 PSIG (1.0 to 17.2 bar)
32°F to 175°F (0°C to 80°C)

Weight................................................................. 1.4 lb. (0.6 kg)

Materials of Construction

Body ................................................................. Zinc
Bowls .......................................................... Transparent Polycarbonate or
Metal (Zinc) With or Without Sight Gauge
Bowl Guards ................................................ Steel
Collar .......................................................... Plastic
Deflector, Shroud & Baffle ....................... Plastic
Drains –
Twist Drain – Body & Nut .................................. Plastic
Automatic Float Drain – Housing, Float ................. Plastic
Seals ......................................................... Nitrile
Springs, Push Rod ................................ Stainless Steel

Filter Elements –
5 Micron ......................................................... Plastic
Seals .......................................................... Nitrile
Sight Gauge .............................................. Polyamide
FF10 Filter – Standard

Features

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

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT without sight gauge</th>
<th>NPT with sight gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Manual Twist Drain</td>
<td>Automatic Float Drain</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>FF10-04DGSS</td>
<td>FF10-04DGRSS</td>
</tr>
<tr>
<td></td>
<td>Manual Twist Drain</td>
<td>Automatic Float Drain</td>
</tr>
<tr>
<td></td>
<td>FF10-04WGSS</td>
<td>FF10-04WGRSS</td>
</tr>
</tbody>
</table>

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

Ordering Information

**FF10** - **04** **W** **G** **SS**

- **Port Type** - NPT
- **Port Size** 04 1/2 Inch
- **Bowl** D Metal Bowl without Sight Gauge
  W Metal Bowl with Sight Gauge
- **Element** G 5 Micron
- **Options** Blank Manual Twist Drain
  R Automatic Float Drain
- **Material** SS Stainless Steel
FF10 Filter Kits & Accessories

Drain Kit –
- Automatic Float Drain ........................................ FSA602MDSS
- Manual Twist Drain–
  Small (Old) ........................................ SA600Y7-1SS
  Large (New) ........................................... SAP05481

Filter Element Kits –
- Particulate (5 Micron) Element .................. EK55G

Pipe Nipple – 1/2" 316 Stainless Steel ............... 616A28-SS

Specifications

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

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

Weight ......................................................... 1.9 lb. (0.85 kg)

Materials of Construction

<table>
<thead>
<tr>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>Bowls</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>Deflector</td>
<td>Acetal</td>
</tr>
<tr>
<td>Drain</td>
<td>316 Stainless Steel</td>
</tr>
<tr>
<td>Element Holder</td>
<td>Acetal</td>
</tr>
<tr>
<td>Filter Element</td>
<td>Polyethylene</td>
</tr>
<tr>
<td>Seals</td>
<td>Fluorocarbon</td>
</tr>
<tr>
<td>Sight Gauge</td>
<td>Isoplast</td>
</tr>
</tbody>
</table>
07F Filters – Standard

Features
- Excellent water removal efficiency.
- Unique deflector plate and shroud creates a swirling of the air stream ensuring maximum water and dirt separation.
- Large filter element surface guarantees low pressure drop and increased element life.
- Optional automatic float drain available.
- Shown with metal bowl guard.
- High Flow: 3/8" – 100 SCFM§
  1/2" – 130 SCFM§
  3/4" – 145 SCFM§

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT</th>
<th>Twist Drain</th>
<th>Automatic Float Drain</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;  07F22B*</td>
<td></td>
<td></td>
<td>07F26B*</td>
</tr>
<tr>
<td>1/2&quot;  07F32B*</td>
<td></td>
<td></td>
<td>07F36B*</td>
</tr>
<tr>
<td>3/4&quot;  07F42B*</td>
<td></td>
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<td>07F46B*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Bowl Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 3/8 Inch</td>
<td>Polycarbonate Bowl</td>
</tr>
<tr>
<td>3 1/2 Inch</td>
<td>Metal Bowl Guard / Twist Drain</td>
</tr>
<tr>
<td>4 3/4 Inch</td>
<td>Metal Bowl Guard / Auto Float Drain</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elements</th>
<th>Engineering Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>B 5 Micron</td>
<td>* Will be Entered at Factory</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>07F Filter Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 3.24 (82)</td>
</tr>
<tr>
<td>D 6.97 (177)</td>
</tr>
<tr>
<td>E† 7.70 (195)</td>
</tr>
</tbody>
</table>

Ordering Information

Port Size | Bowl Options | Elements | Engineering Level | Options | Port Type
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 3/8 Inch</td>
<td>Polycarbonate Bowl</td>
<td>B 5 Micron</td>
<td>* Will be Entered at Factory</td>
<td>Blank None</td>
<td>Blank NPT</td>
</tr>
<tr>
<td>3 1/2 Inch</td>
<td>Metal Bowl Guard / Twist Drain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 3/4 Inch</td>
<td>Metal Bowl Guard / Auto Float Drain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† For polycarbonate bowl see Caution on page 2.
§ SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop.

Jamieson Equipment Company
www.jamiesonequipment.com
toll free 800.875.0280
Technical Information

07F Filter Kits & Accessories

Bowl Guard Kit ................................................. PS805P
Bowl Kits –
  Poly Bowl –
    Automatic Float Drain ............................... PS822P
    Twist Drain .............................................. PS832P
  Metal Bowl –
    Sight Gauge / Automatic Drain ................. PS823P
    Sight Gauge / Twist Drain ......................... PS835P

Drain Kits –
  Automatic Float Drain ............................... PS506P
  Twist Drain .............................................. PS512P

Filter Element Kits –
  5 Micron Element ...................................... PS802
  40 Micron Element ..................................... PS801

Mounting Bracket Kit ................................. PS843P
Sight Gauge Kit ............................................ PS914P

Specifications

Bowl Capacity .................................................. 7.2 Ounces
Sump Capacity ............................................... 2.8 Ounces
Port Threads ................................................... 3/8", 1/2", 3/4" Inch

Pressure & Temperature Ratings –

Without Differential Pressure Indicator:
  Polycarbonate Bowl – 0 to 150 PSIG (0 to 10.3 bar)
  32°F to 125°F (0°C to 52°C)
  Metal Bowl – 0 to 250 PSIG (0 to 17.2 bar)
  32°F to 175°F (0°C to 80°C)

With Differential Pressure Indicator:
  0 to 150 PSIG (0 to 10.3 bar)
  32°F to 125°F (0°C to 52°C)
  Automatic Float Drain – 15 to 250 PSIG (1.0 to 17.2 bar)

Weight .............................................................. 2.2 lb. (1.0 kg)

Materials of Construction

Body ................................................................. Zinc
Bowls ............................................................. Transparent Polycarbonate
  Metal (Zinc) With or Without Sight Gauge
Bowl Guards .................................................. Steel
Collar ............................................................ Plastic or Metal
Deflector, Shroud & Baffle ............................. Plastic
Drains –
  Twist Drain – Body & Nut ............................ Plastic
  Automatic Float Drain –
    Housing, Float ........................................ Plastic
    Seals ......................................................... Nitrile
    Springs, Push Rod ..................................... Stainless Steel
Filter Elements –
  5 Micron (Standard) .................................... Plastic
Seals ............................................................. Nitrile
Sight Gauge ................................................... Polyamide
**Features**

- Port blocks (PB) available to provide 1-1/2" port extension to 1" ported bodies.
- Excellent water removal efficiency.
- Metal bowl with sight gauge.
- Large filter element surface guarantees low pressure drop and increased element life.
- Twist Drain as standard, optional automatic float drain.
- High Flow: 3/4" – 270 SCFM\(^6\)
  1" – 300 SCFM\(^6\)
  1-1/2" – 310 SCFM\(^6\)

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**Ordering Information**

<table>
<thead>
<tr>
<th>Design Level</th>
<th>Port Type</th>
<th>Port Size</th>
<th>Element</th>
<th>Bowl</th>
<th>Drain</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 NPT Female</td>
<td>3/4&quot; (w/o Port Blocks)</td>
<td>E 5 Micron</td>
<td>S Metal Bowl w/ Sight Gauge</td>
<td>M Twist Drain</td>
<td>A Automatic Float Drain</td>
</tr>
<tr>
<td>8 1&quot; (w/o Port Blocks)</td>
<td>P 1-1/2&quot; Port Blocks (w/ 1&quot; Ported Body)</td>
<td></td>
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</tr>
</tbody>
</table>

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\(^6\) SCFM = Standard cubic feet per minute at 90 PSIG inlet and 5 PSIG pressure drop, with 40 micron element.
Technical Information

P3NF Filter Kits & Accessories

Bowl Kits –
- Metal Bowl –
  Sight Gauge / Automatic Float Drain ................. P3NKA00BSA
  Sight Gauge / Twist Drain ..................................... P3NKA00BSM

Bowl Latch Kit .......................................................... C11A33

Drain Kit –
- Automatic Float Drain ........................................... PS506P
  Twist Drain .......................................................... PS512P

Filter Elements –
- 5 Micron Element .................................................. P3NKA00ESE
- 40 Micron Element .................................................. P3NKA00ESG

Mounting Bracket Kit ................................................. P3NKA00MW

Sight Gauge Kit ......................................................... P3NKA00PE

Specifications

Pressure & Temperature Rating –
- 0 to 250 PSIG (0 to 17 bar) 32°F to 175°F (0°C to 80°C)
- Automatic Float Drain – 15 to 250 PSIG (1.0 to 17 bar)

Bowl Capacity ......................................................... 18.0 Ounces
Sump Capacity ........................................................ 6.8 Ounces

Weight –
- 3/4" ...................................................................... 3.5 lb. (1.6 kg)
- 1" ........................................................................ 3.5 lb. (1.6 kg)
- 1-1/2" # .................................................................. 4.6 lb. (2.1 kg)

Materials of Construction

Body ........................................................................ Aluminum
Deflector ................................................................. Plastic
Drain ................................................................. Plastic
Filter Elements –
- 5 Micron (Standard) ................................................. Plastic

Seals ........................................................................ Nitrile
Sight Gauge .......................................................... Polyamide (Nylon)

# 1" Port Body with 1-1/2" Port Block.