Modular Combinations – P3N Hi-Flow Series

- Regulator can be mounted with knob in up or down position.
- See individual component pages for details.

Two-Unit Combo

- 40 Micron Filter Element
- Manual Twist Drain
- Relieving Regulator
- 125 PSI (8.6 bar)

<table>
<thead>
<tr>
<th>Series</th>
<th>Port</th>
<th>Model Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3NCA</td>
<td>3/4&quot;</td>
<td>P3NCA96SGMNLLNA</td>
</tr>
<tr>
<td></td>
<td>1&quot;</td>
<td>P3NCA98SGMNLLNA</td>
</tr>
<tr>
<td></td>
<td>1-1/2&quot; †</td>
<td>P3NCA9PSGMNNLLNA</td>
</tr>
</tbody>
</table>

Notes: All Combo part numbers are with regulator knob in up position.
† 1" Port Body with 1-1/2" Port Block.
For other models, refer to Ordering Information on next page.

Three-Unit Combo

- 40 Micron Filter Element
- Manual Twist Drain
- Relieving Regulator
- 125 PSI (8.6 bar)

<table>
<thead>
<tr>
<th>Series</th>
<th>Port</th>
<th>Model Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3NCB</td>
<td>3/4&quot;</td>
<td>P3NCB96SGMNLLNA</td>
</tr>
<tr>
<td></td>
<td>1&quot;</td>
<td>P3NCB98SGMNLLNA</td>
</tr>
<tr>
<td></td>
<td>1-1/2&quot; †</td>
<td>P3NCB9PSGMNNLLNA</td>
</tr>
</tbody>
</table>

Notes: All Combo part numbers are with regulator knob in up position.
† 1" Port Body with 1-1/2" Port Block.
For other models, refer to Ordering Information on next page.
# Modular Combinations – P3N Hi-Flow Series

## Ordering Information

<table>
<thead>
<tr>
<th>P3N</th>
<th>C</th>
<th>A</th>
<th>9</th>
<th>6</th>
<th>S</th>
<th>G</th>
<th>M</th>
<th>N</th>
<th>N</th>
<th>L</th>
<th>N</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Port Type

- 1 G Thread (BSPP) Female
- 9 NPT Female

### Port Size

- 6 3/4" (w/o Port Blocks)
- 8 1" (w/o Port Blocks)
- H 3/4" Port Blocks (w/ 3/4" Ported Body)
- M 1" Port Blocks (w/ 1" Ported Body)
- P 1-1/2" Port Blocks (w/ 1" Ported Body)

### Type

- C Combination - Modular

### Combination

- A Hi-Flow 2-Unit
- B Hi-Flow 3-Unit

### Filter Elements

- E 5 Micron
- G 40 Micron

### Filter Drains

- M Twist Drain
  - A Automatic Float Drain

### Bowl

- S Metal Bowl w/ Sight Gauge

### Filter Drains

- Without Gauge
  - L 60 PSI (0 to 4 bar)
  - N 125 PSI (0 to 8 bar)
  - H 250 PSI (0 to 17 bar)
- With Gauge
  - M 60 PSI (0 to 4 bar)
  - G 125 PSI (0 to 8 bar)
  - J 250 PSI (0 to 17 bar)

### Relief

- N Relieving
- M Non-Relieving

### Regulator Pressure Range & Gauges

- Without Gauge
  - L 60 PSI (0 to 4 bar)
  - N 125 PSI (0 to 8 bar)
  - H 250 PSI (0 to 17 bar)
- With Gauge
  - M 60 PSI (0 to 4 bar)
  - G 125 PSI (0 to 8 bar)
  - J 250 PSI (0 to 17 bar)

### Lubricator Type

- Oil Mist
  - L w/ Polycarbonate Sight Dome
    - A w/ Nylon Sight Dome

### Lubricator Drain / Fill Devices

- N No Drain, Solid Bowl / Fill Plug
- M Manual Twist Drain / Fill Plug
- A Automatic Fill / Fill Plug
- S Bowl Pressure Fill / Fill Plug
- H No Drain / Body Pressure Fill
- J Manual Twist Drain / Body Pressure Fill

### Mounting Options

- A No Brackets or Kits
- B Wall Mounting Bracket

### Kits & Accessories

- Port Block Kits: For Modular Combinations
  - 3/4" 1"
  - NPT P3NKB96CL **** P3NKB98CL **** P3NKB9BCL
  - BSPP P3NKB16CL* **** P3NKB18CL* **** P3NKB1BCL*

- 1-1/2"
- Wall Mounting Kit* P3NKA00MW

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.

* 3/4, 1 & 1-1/2 inch meet ISO 1179-1 Standard.

---

**WARNING**

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

---

**CAUTION:**

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

---

Kits & Accessories (See individual component sections for other kits and accessories.)
Modular Accessories – P3N Hi-Flow Series

Mounting Brackets

P3NKA00MW
For 1-1/2" BSPP Port Block with E02 fitting application, use Mounting Bracket Kit P3NKA0BMW

Replacement Body Covers

P3NKA00PM
Each Kit contains two covers. All units are shipped with body covers.

For modular combinations, one side has groove and the mating side is flat. Use the o-ring seal provided in the groove. For some modular combinations, both surfaces may have grooves. In those applications, use o-ring in one groove and square seal provided in the other.

Port Block Kits

<table>
<thead>
<tr>
<th>Size</th>
<th>NPT</th>
<th>BSPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>P3NKB96CP</td>
<td>P3NKB16CP*</td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NKB98CP</td>
<td>P3NKB18CP*</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>P3NKB9BCP</td>
<td>P3NKB1BCP*</td>
</tr>
</tbody>
</table>

2 and 3 Piece Combinations including a Lubricator (FRL & FRL), Individual Lubricators, Individual Coalescing Filters and 2-Piece Filter and Coalescer Assemblies:

<table>
<thead>
<tr>
<th>Size</th>
<th>NPT</th>
<th>BSPP</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>P3NKB96CL</td>
<td>P3NKB16CL*</td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NKB98CL</td>
<td>P3NKB18CL*</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>P3NKB9BCL</td>
<td>P3NKB1BCL*</td>
</tr>
</tbody>
</table>

Port Block Kits allow units to be installed or removed as modular components.
Each Kit includes all the necessary pieces to make two port connections.

*3/4, 1 & 1-1/2 inch meet ISO 1179-1 Standard.
## Close Nippled Combinations – P3N Hi-Flow Series

- Regulator can be mounted with knob in up or down position.
- See individual component pages for details.

### Two-Unit Combo

- 40 Micron Filter Element
- Manual Twist Drain
- Relieving Regulator
- 125 PSI (8.6 bar)

<table>
<thead>
<tr>
<th>Series</th>
<th>Port</th>
<th>Model Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3N3A</td>
<td>3/4&quot;</td>
<td>P3N3A96SGMNNLNA</td>
</tr>
<tr>
<td></td>
<td>1&quot;</td>
<td>P3N3A98SGMNNLNA</td>
</tr>
<tr>
<td></td>
<td>1-1/2&quot;</td>
<td>P3N3A9PSGMNNLNA</td>
</tr>
</tbody>
</table>

**Notes:** All Combo part numbers are with regulator knob in up position.
† 1" Port Body with 1-1/2" Port Block.
For other models, refer to Ordering Information on next page.

### Three-Unit Combo

- 40 Micron Filter Element
- Manual Twist Drain
- Relieving Regulator
- 125 PSI (8.6 bar)

<table>
<thead>
<tr>
<th>Series</th>
<th>Port</th>
<th>Model Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3N3B</td>
<td>3/4&quot;</td>
<td>P3N3B96SGMNLNA</td>
</tr>
<tr>
<td></td>
<td>1&quot;</td>
<td>P3N3B98SGMNNLNA</td>
</tr>
<tr>
<td></td>
<td>1-1/2&quot;</td>
<td>P3N3B9PSGMNLNA</td>
</tr>
</tbody>
</table>

**Notes:** All Combo part numbers are with regulator knob in up position.
† 1" Port Body with 1-1/2" Port Block.
For other models, refer to Ordering Information on next page.

---

Inches (mm)
- All dimensions nominal.
- Mounting brackets not included (change last character in model number to “B” if required).
- Gauges not included (change 12th character to “G” if required).
# Close Nippled Combinations – P3N Hi-Flow Series

## Ordering Information

<table>
<thead>
<tr>
<th>P3N</th>
<th>3</th>
<th>A</th>
<th>9</th>
<th>6</th>
<th>S</th>
<th>G</th>
<th>M</th>
<th>N</th>
<th>N</th>
<th>L</th>
<th>N</th>
<th>A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series</strong></td>
<td><strong>Type</strong></td>
<td><strong>Filter Elements</strong></td>
<td><strong>Relief</strong></td>
<td><strong>Mounting Options</strong></td>
<td><strong>Combination</strong></td>
<td><strong>Bowl</strong></td>
<td><strong>Regulator Pressure Range &amp; Gauges</strong></td>
<td><strong>Lubricator Drain / Fill Devices</strong></td>
<td><strong>Lubricator Type</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>E 5 Micron</td>
<td>N Relieving</td>
<td>A No Brackets or Kits</td>
<td>3 Combinations w/ Pipe Nipples</td>
<td>Metal Bowl</td>
<td>Without Gauge</td>
<td>N No Drain, Solid Bowl / Fill Plug</td>
<td>Oil Mist</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>G 40 Micron</td>
<td>M Non-Relieving</td>
<td>B Wall Bracket</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Port Type</strong></td>
<td><strong>Port Size</strong></td>
<td><strong>Filter Drains</strong></td>
<td><strong>Mounting Options</strong></td>
<td><strong>Combination</strong></td>
<td><strong>Bowl</strong></td>
<td><strong>Regulator Pressure Range &amp; Gauges</strong></td>
<td><strong>Lubricator Drain / Fill Devices</strong></td>
<td><strong>Lubricator Type</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 NPT Female</td>
<td>6 3/4” (w/o Port Blocks)</td>
<td>M Twist Drain</td>
<td>A No Brackets or Kits</td>
<td>A Hi-Flow 2-Unit</td>
<td>Metal Bowl w/ Sight Gauge</td>
<td>Without Gauge</td>
<td>N No Drain, Solid Bowl / Fill Plug</td>
<td>Oil Mist</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>8 1” (w/o Port Blocks)</td>
<td>A Automatic Float Drain</td>
<td>B Wall Bracket</td>
<td>B Hi-Flow 3-Unit</td>
<td></td>
<td>With Gauge</td>
<td>M Manual Twist Drain / Fill Plug</td>
<td>L w/ Polycarbonate Sight Dome</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>P 1-1/2” Port Blocks (w/ 1” Ported Body)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A Automatic Fill / Fill Plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BOLD ITEMS ARE MOST POPULAR.**

**CAUTION:**

**REGULATOR PRESSURE ADJUSTMENT** – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

---

**WARNING**

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

---

**Kits & Accessories** (See individual component sections for other kits and accessories.)

Wall Mounting Kit* .......................................................... P3NKA00MW

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.
P3NE Filter / Regulator – Hi-Flow

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 auto drain.
- Self relieving feature plus balanced poppet provides quick response and accurate pressure regulation.
- Solid control piston for extended life.
- High Flow: 3/4" – 250 SCFM§
  1" – 250 SCFM§
  1-1/2 – 250 SCFM§

Ordering Information

<table>
<thead>
<tr>
<th>Port Size</th>
<th>NPT</th>
<th>Twist Drain</th>
<th>Automatic Float Drain</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>P3NEA96GSMBNN</td>
<td>P3NEA96GSABNN</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NEA98GSMBNN</td>
<td>P3NEA98GSABNN</td>
<td></td>
</tr>
<tr>
<td>1-1/2&quot;**</td>
<td>P3NEA9PGSMBNN</td>
<td>P3NEA9PGSABNN</td>
<td></td>
</tr>
</tbody>
</table>

Standard part numbers shown bold. For other models refer to ordering information below.
* 1" Port Body with 1-1/2" Port Block.
§ SCFM = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop, with 40 micron element.

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

BOLD ITEMS ARE MOST POPULAR.
Technical Information

CAUTION:
REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

P3NE Filter / Regulator Kits & Accessories

Bowl Kits –
Metal Bowl – Sight Gauge / Automatic Float Drain. P3NKA00BSA
Sight Gauge / Twist Drain……………..……P3NKA00BSM
Sight Gauge / Push ‘N’ Drain…………………..P3NKA00BSP

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

Control Knob ..................................................P3NKA00PN

Drain Kit – Automatic Float Drain ……………PS006P
Semi-Auto Drain …………………………………PS011P
Twist Drain …………………………………………..PS012P
Push ‘N’ Drain ………………………………………..PS013P

Filter Element Kits – 40 Micron …………P3NKA00ESG
5 Micron ……………………..P3NKA00ESE
Adsorber………………………………………P3NKA00ESA

Gauges – 60 psig (0 to 4.1 bar)………………..K4520N14060
160 psig (0 to 11.0 bar)…………………………K4520N14160
300 psig (0 to 20.0 bar)…………………………K4520N14300

Mounting Bracket Kit*………………………….P3NKA00MW

Service Kit – Relieving ……………………..P3NKA00RR
Non-Relieving…………………………………P3NKA00RN

Sight Gauge Kit ………………………………P3NKA00PE
Springs – 1-60 psig Range …………….C10A1304
2-125 psig Range ……………….C10A1308
5-250 psig Range ……………….C10A1317

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.

Specifications

Bowl Capacity………………………………………..18.0 Ounces
Gauge Ports (2) ………………………………1/4 Inch
Port Threads ………………………………………3/4, 1, 1-1/2" Inch
Pressure & Temperature Rating –……0 to 250 psig (0 to 17.2 bar)
32°F to 175°F (0°C to 80°C)

For Secondary Pressure Ranges see above charts.

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

Sump Capacity…………………………….6.8 Ounces
Weight – 3/4"……………………………………..5.3 lb. (2.4 kg)
1"………………………………………………….5.3 lb. (2.4 kg)
1-1/2"……………………………………….6.43 lb. (2.9 kg)

Materials of Construction

Adjusting Stem………………………………………..Steel
Body, Bonnet, Bowl ………………………………..Aluminum

Drain…………………………………………………..Plastic

Filter Elements – 40 Micron (Standard)……………………Plastic
5 Micron (Optional) ………………………………Plastic
Adsorber (Optional) ……………………Activated Charcoal

Knob…………………………………………………..Plastic
Piston…………………………………………………..Plastic
Seals…………………………………………………..Nitrile

Sight Gauge ………………………………………..Polyamide (Nylon)
Springs – Poppet & Control ………………………Steel

* 1" Port Body with 1-1/2" Port Block.
P3NF Filters – Hi-Flow

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§
  1" – 300 SCFM§
  1-1/2" – 310 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>3/4&quot;</td>
<td>P3NFA96GSM</td>
<td>P3NFA96GSA</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NFA98GSM</td>
<td>P3NFA98GSA</td>
<td></td>
</tr>
<tr>
<td>1-1/2&quot;#</td>
<td>P3NFA9PGSM</td>
<td>P3NFA9PGSA</td>
<td></td>
</tr>
</tbody>
</table>

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

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

Ordering Information

Design Level
- Port Type
  - 1" G Thread (BSPP) Female
  - 2 Rc Thread (BSPT) Female
  - 9 NPT Female

- Port Size
  - 6 3/4" (w/o Port Blocks)
  - 8 1" (w/o Port Blocks)
  - P 1-1/2" Port Blocks (w/ 1" Ported Body)

- Element
  - w/o DPI Indicator
    - A Adsorber
    - E 5 Micron
    - G 40 Micron
  - w/ DPI Indicator
    - B Adsorber
    - F 5 Micron
    - H 40 Micron

- Bowl
  - S Metal Bowl w/ Sight Gauge

- Drain
  - M Twist Drain
    - A Automatic Float Drain

P3NF Filter Dimensions

<table>
<thead>
<tr>
<th>Design Level</th>
<th>A</th>
<th>A (PB)</th>
<th>B</th>
<th>C</th>
<th>D†</th>
<th>E†</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(92)</td>
<td></td>
<td>(35)</td>
<td>9.57</td>
<td>10.95</td>
</tr>
<tr>
<td>3/4&quot; Port Body with 1-1/2&quot; Port Block.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
§ SCFM = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop, with 40 micron element.
† With Twist Drain or Automatic Float Drain

BOLD ITEMS ARE MOST POPULAR.
P3NF Filter Kits & Accessories

Bowl Kits –
- Metal Bowl — Sight Gauge / Automatic Float Drain………………….. P3NKA00BSA
- Sight Gauge / Push ‘N’ Drain ………………………………….. P3NKA00BSP

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

DPI Replacement Kit .......................................................... PS781P

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

Filter Elements –
- 40 Micron ……………………………………………………… P3NKA00ESE
- 5 Micron ……………………………………………………….. P3NKA00ESE
- Adsorber ……………………………………………………….. P3NKA00ESA

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 –
- 40 Micron (Standard) ……………………………………….. Plastic
- 5 Micron (Optional) ………………………………………….. Plastic
- Adsorber (Optional) ……………………………………….. Activated Charcoal

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

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

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.
P3NF Coalescing Filters – Hi-Flow

**Features**

- Port blocks (PB) available to provide 1-1/2" port extension to 1" ported bodies.
- 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: Grade 6 Element
  - 3/4" – 130 SCFM*§
  - 1" – 140 SCFM§
  - 1-1/2"† – 150 SCFM§
- Grade 10 Element
  - 3/4" – 195 SCFM§
  - 1" – 215 SCFM§
  - 1-1/2"† – 225 SCFM§

**Port / Size**

<table>
<thead>
<tr>
<th>Port Type</th>
<th>NPT</th>
<th>Twist Drain</th>
<th>Automatic Float Drain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Bowl / Sight Gauge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>P3NFA96DSM</td>
<td>P3NFA96DSA</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NFA98DSM</td>
<td>P3NFA98DSA</td>
<td></td>
</tr>
<tr>
<td>1-1/2&quot;†</td>
<td>P3NFA9PDSM</td>
<td>P3NFA9PDSA</td>
<td></td>
</tr>
</tbody>
</table>

Standard part numbers shown bold for Grade 6 Elements (for Grade 10 Elements, replace “D” with “Q” in the 8th position). For other models refer to ordering information below.

† 1" Port Body with 1-1/2" Port Block.
§ SCFM = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop.

**Ordering Information**

**Design Level**

<table>
<thead>
<tr>
<th>Port Type</th>
<th>1* G Thread (BSP) Female</th>
<th>2 Rp Thread (BSPT) Female</th>
<th>9 NPT Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>* 3/4 &amp; 1 inch meet ISO 1179-1 Standard.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Port Size**

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Designation</th>
<th>Element</th>
<th>Bowl Type</th>
<th>Drain Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 3/4&quot; (w/o Port Blocks)</td>
<td>P</td>
<td>w/ DPI Indicator</td>
<td>S Metal Bowl w/ Sight Gauge</td>
<td>M Twist Drain</td>
</tr>
<tr>
<td>8 1&quot; (w/o Port Blocks)</td>
<td>P</td>
<td>Grade 6</td>
<td></td>
<td>A Automatic Float Drain</td>
</tr>
<tr>
<td>P 1-1/2&quot; Port Blocks (w/ 1&quot; Ported Body)</td>
<td>P</td>
<td>Q Grade 10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**P3NF Coalescing Filter Dimensions**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>A (PB)</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>3.62</td>
<td>5.91</td>
<td>3.62</td>
</tr>
<tr>
<td>1&quot;</td>
<td>5.91</td>
<td>9.57</td>
<td>11.90</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(150)</td>
<td>(302)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(92)</td>
<td></td>
</tr>
</tbody>
</table>

Inches (mm)

† With Twist Drain or Automatic Float Drain

BOLD ITEMS ARE MOST POPULAR.
P3NF Coalescing Filter Kits & Accessories

Bowl Kits –
- Metal Bowl –
  - Sight Gauge / Automatic Float Drain..............P3NKA00BSA
  - Sight Gauge / Twist Drain..........................P3NKA00BSM
  - Sight Gauge / Push ‘N’ Drain..........................P3NKA00BSP

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

DPI Replacement Kit ..................................................PS781P

Drain Kit –
- Automatic Float Drain........................................PS506P
- Semi-Auto Drain..................................................PS511P
- Twist Drain.........................................................PS512P
- Push ‘N’ Drain.....................................................PS513P

Filter Elements –
- Grade 6 (Standard)............................................P3NKA00ESCB
- Grade 10 (Optional)...........................................P3NKA00ES9

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

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

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.

Specifications

<table>
<thead>
<tr>
<th>Product Selection</th>
<th>Filters</th>
<th>Coalescers</th>
<th>Regulators</th>
<th>Filter/Regulators</th>
<th>Lubricators</th>
<th>Compressors</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3NF Series</td>
<td>Coalescing Filters (Oil Removal)</td>
<td>Technical Specifications – P3NF</td>
<td>Technical Information</td>
<td>Grade 6</td>
<td>Grade 10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Technical Information

#### Grade 6

<table>
<thead>
<tr>
<th>Primary Pressure - PSIG</th>
<th>Flow - SCFM</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>90</td>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td>150</td>
<td>10</td>
<td>0.2</td>
</tr>
<tr>
<td>250</td>
<td>10</td>
<td>0.3</td>
</tr>
<tr>
<td>300</td>
<td>10</td>
<td>0.4</td>
</tr>
<tr>
<td>125</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td>150</td>
<td>10</td>
<td>0.6</td>
</tr>
</tbody>
</table>

#### Grade 10

<table>
<thead>
<tr>
<th>Primary Pressure - PSIG</th>
<th>Flow - SCFM</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>90</td>
<td>10</td>
<td>0.1</td>
</tr>
<tr>
<td>150</td>
<td>10</td>
<td>0.2</td>
</tr>
<tr>
<td>250</td>
<td>10</td>
<td>0.3</td>
</tr>
<tr>
<td>300</td>
<td>10</td>
<td>0.4</td>
</tr>
<tr>
<td>125</td>
<td>10</td>
<td>0.5</td>
</tr>
<tr>
<td>150</td>
<td>10</td>
<td>0.6</td>
</tr>
</tbody>
</table>

### Materials of Construction

- **Body & Bowl**: Aluminum
- **Deflector**: Plastic
- **Drain**: Plastic
- **Seals**: Nitrile
- **Sight Gauge**: Polymide (Nylon)

**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)

† 1" Port Body with 1-1/2" Port Block.
P3NL Mist Lubricators – Hi-Flow

Features
- Port blocks (PB) available to provide 1-1/2" port extension to 1" ported bodies.
- Proportional oil delivery over a wide range of air flows.
- Bowl can be filled while air line is under pressure.
- Transparent sight dome for 360° visibility.
- High Flow: 3/4" – 240 SCFM§
- 1" – 250 SCFM§
- 1-1/2" – 260 SCFM§

<table>
<thead>
<tr>
<th>Port Size</th>
<th>Port Type</th>
<th>Design Level</th>
<th>Port Size</th>
<th>Type</th>
<th>Bowl</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>Metal Bowl / Sight Gauge</td>
<td>1&quot; G Thread (BSPP) Female</td>
<td>6 3/4&quot; (w/o Port Blocks)</td>
<td>Oil Mist</td>
<td>S Metal Bowl w/ Sight Gauge</td>
</tr>
<tr>
<td>1&quot;</td>
<td>Metal Bowl / Sight Gauge</td>
<td>2 Rc Thread (BSPT) Female</td>
<td>8 1&quot; (w/o Port Blocks)</td>
<td>L w/ Polycarbonate Sight Dome</td>
<td>A w/ Nylon Sight Dome</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>Metal Bowl / Sight Gauge</td>
<td>9 NPT Female</td>
<td>P 1-1/2&quot; Port Blocks (w/ 1&quot; Ported Body)</td>
<td>A w/ Nylon Sight Dome</td>
<td>S Metal Bowl w/ Sight Gauge</td>
</tr>
</tbody>
</table>

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

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

Inches (mm)

Ordering Information

BOLD ITEMS ARE MOST POPULAR.
### Technical Information

#### Flow Characteristics

**P3NL Series**

- **Air Line Mist Lubricators**

**Technical Specifications – P3NL**

**Catalog 0700P-E**

---

### P3NL Lubricator Kits & Accessories

- **Adjustment Knob**
  - P04121

- **Bowl Kits**
  - **Metal Bowl – Sight Gauge / Twist Drain**
    - P3NKA00BSM
  - **Metal Bowl – Sight Gauge / No Drain**
    - P3NKA00BSN

- **Bowl Latch Kit**
  - C1A33

- **Drain Kit**
  - **Twist Drain**
    - PS512P

- **Fill Cap Kit**
  - P3NKA00PL

- **Sight Dome Kit**
  - **Polycarbonate**
    - PS740P
    - PS740N
  - **Nylon**
    - PS740N

- **Sight Gauge Kit**
  - P3NKA00PE

- **Pressure Fill Adapter Kit**
  - P3NKA00PK

- **Service Kit**
  - P3NKA00RL

- **Mounting Bracket Kit**
  - P3NKA00MW

- **Oil**
  - 1 Gal.
    - F442002
  - 12 Quart Case
    - F442003
  - 4 Gallon Case
    - F442005

---

### Specifications

- **Bowl Capacity**
  - 18.0 Ounces

- **Minimum Flow for Lubrication**
  - 6.6 SCFM at 100 psig

- **Pressure & Temperature Rating**
  - 0 to 250 psig (0 to 17.2 bar)
  - 32°F to 175°F (0°C to 80°C)

- **Suggested Lubricant**
  - F442 Oil

- **Petroleum based oil of 100 to 200 SSU viscosity at 100°F (38°C) and an aniline point greater than 200°F (93°C). (DO NOT USE OILS WITH ADDITIVES, COMPOUNDED OILS CONTAINING SOLVENTS, GRAPHITE, DETERGENTS, OR SYNTHETIC OILS.)**

- **Weight**
  - **3/4 Inch**
    - 3.5 lb. (1.6 kg)
  - **1 Inch**
    - 3.5 lb. (1.6 kg)
  - **1-1/2 Inch†**
    - 4.6 lb. (2.1 kg)

### Materials of Construction

- **Body, Bowl**
  - Aluminum

- **Drains**
  - **Twist Drain (Optional)**
    - Plastic

- **Injector Meter Block & Base Assembly**
  - Plastic

- **Seals**
  - Nitrile

- **Sight Dome**
  - Polycarbonate

- **Sight Gauge**
  - Polymide (Nylon)

† 1” Port Body with 1-1/2” Port Block.

---

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.
P3NR Regulators – Hi-Flow

**Features**

- Port blocks (PB) available to provide 1-1/2" port extension to 1" ported bodies.
- Self relieving feature plus balanced poppet provides quick response and accurate pressure regulation.
- Solid control piston for extended life.
- High Flow: 3/4" – 200 SCFM
  1" – 300 SCFM
  1-1/2" – 300 SCFM

**Port Size**

<table>
<thead>
<tr>
<th></th>
<th>NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without Gauge</td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>P3NRA96BNN</td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NRA98BNN</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>P3NRA9PBNN</td>
</tr>
<tr>
<td>With 160 PSI Gauge</td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>P3NRA96BNG</td>
</tr>
<tr>
<td>1&quot;</td>
<td>P3NRA98BNG</td>
</tr>
<tr>
<td>1-1/2&quot;</td>
<td>P3NRA9PBNG</td>
</tr>
</tbody>
</table>

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

**WARNING**

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

**Ordering Information**

**Design Level**

<table>
<thead>
<tr>
<th>Port Type</th>
<th>Port Size</th>
<th>Relief</th>
<th>Adjustment</th>
<th>Pressure Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; G Thread</td>
<td>6 3/4&quot; (w/o Port Blocks)</td>
<td>B Relieving</td>
<td>N Non-Rising Knob</td>
<td>Without Gauge</td>
</tr>
<tr>
<td>(BSPP) Female</td>
<td>8 1&quot; (w/o Port Blocks)</td>
<td></td>
<td></td>
<td>L 60 PSI (0 to 4 bar)</td>
</tr>
<tr>
<td>2 Rc Thread</td>
<td>P 1-1/2&quot; Port Blocks (w/ 1&quot; Ported Body)</td>
<td></td>
<td></td>
<td>N 125 PSI (0 to 8 bar)</td>
</tr>
<tr>
<td>(BSPT) Female</td>
<td></td>
<td></td>
<td></td>
<td>H 250 PSI (0 to 17 bar)</td>
</tr>
<tr>
<td>3/4 &amp; 1 inch NPT Female</td>
<td></td>
<td></td>
<td></td>
<td>With Gauge</td>
</tr>
</tbody>
</table>

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

---

[Image of P3NR Regulator with dimensions and part numbers]

---

[Image of P3NR Regulator with dimensions and part numbers]

---

[Image of P3NR Regulator with dimensions and part numbers]

---

[Image of P3NR Regulator with dimensions and part numbers]

---

[Image of P3NR Regulator with dimensions and part numbers]
Technical Information

CAUTION:
REGULATOR PRESSURE ADJUSTMENT –
The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

P3NR Regulator Kits & Accessories
Control Knob .................................................. P3NKA00P
Gauges – 60 psig (0 to 4.1 bar) ...................... K4520N14060
160 psig (0 to 11.0 bar) .............................. K4520N14160
300 psig (0 to 20.0 bar) .............................. K4520N14300
Mounting Bracket Kit* ................................. P3NKA00MW
Service Kit – Relieving ................................. P3NKA00RR
Non-Relieving ......................................... P3NKA00RN
Springs – 1-60 psig Range ...................... C10A1304
2-125 psig Range ..................................... C10A1308
5-250 psig Range ..................................... C10A1317

Specifcations
Gauge Ports (2) .............................................. 1/4 Inch
(Can be used as additional High Flow 1/4 Inch Outlet Ports)
Port Threads ........................................... 3/4, 1, 1-1/2 Inch
Primary Pressure Rating –
Maximum Primary Pressure ......................... 250 psig (17.2 bar)
Temperature Rating .............................. 32°F to 175°F (0°C to 80°C)
Weight – 3/4” ................................. 4.2 lb. (1.9 kg)
1” ........................................ 4.2 lb. (1.9 kg)
1-1/2”† .................................. 5.3 lb. (2.4 kg)

Materials of Construction
Adjusting Stem ...................................... Steel
Body .................................................... Aluminum
Bonnet ................................................... Aluminum
Knob ..................................................... Plastic
Piston .................................................... Plastic
Poppet Assembly ..................................... Brass
Seals ...................................................... Nitrile
Springs – Poppet & Control ...................... Steel

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0BMW.
† 1” Port Body with 1-1/2” Port Block.
P3NR Pilot Controlled Regulator - Hi-Flow

Features

- Port blocks (PB) available to provide 1-1/2” port extension to 1” ported bodies.
- Self relieving feature plus balanced poppet provides quick response and accurate pressure regulation.
- Solid control piston for extended life.
- High Flow: 3/4” – 300 SCFM§
  1” – 300 SCFM§
  1-1/2” – 350 SCFM§

Port Size | NPT |
---|---|
Without Gauge | |
3/4” | P3NRA96BPP |
1” | P3NRA98BPP |
1-1/2” # | P3NRA9PBPP |
With 160 PSI Gauge | |
3/4” | P3NRA96BPG |
1” | P3NRA98BPG |
1-1/2” # | P3NRA9PBPG |

Standard part numbers shown bold. For other models refer to ordering information below.
# 1” Port Body with 1-1/2” Port Block.
§ SCFM = Standard cubic feet per minute at 100 psig inlet, 90 psig setting and 10 psig pressure drop.

Ordering Information

Design Level

<table>
<thead>
<tr>
<th>Port Type</th>
<th>Port Size</th>
<th>Relief</th>
<th>Adjustment</th>
<th>Pressure Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 G Thread (BSPP) Female</td>
<td>6 3/4” (w/o Port Blocks)</td>
<td>B Relieving</td>
<td>P Pilot Operated</td>
<td>Without Gauge</td>
</tr>
<tr>
<td>2 Rc Thread (BSPT) Female</td>
<td>8 1” (w/o Port Blocks)</td>
<td>N Non-Relieving</td>
<td></td>
<td>With Gauge</td>
</tr>
<tr>
<td>9 NPT Female</td>
<td>P 1-1/2” Port Blocks (w/ 1” Ported Body)</td>
<td></td>
<td></td>
<td>M 60 PSI (0 to 4 bar)</td>
</tr>
</tbody>
</table>

WARNING
Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed maximum primary pressure rating.
Technical Specifications – P3NR

P3NR Series
Pilot Controlled Regulators

Technical Information

Gauges – 60 psig (0 to 4.1 bar) K4520N14060
160 psig (0 to 11.0 bar) K4520N14160
300 psig (0 to 20.0 bar) K4520N14300

Mounting Bracket Kit* P3NKA00MW
Service Kit – Relieving P3NKA00PD

P3NR Pilot Regulator Kits & Accessories

Relief And Flow Characteristics

<table>
<thead>
<tr>
<th>Flow - SCFM</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flow - dm/s</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flow - dm/s</th>
<th>Pressure Drop - PSIG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

Relief And Flow Characteristics

<table>
<thead>
<tr>
<th>Flow - SCFM</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flow - dm/s</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flow - dm/s</th>
<th>Pressure Drop - PSIG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

Relief And Flow Characteristics

<table>
<thead>
<tr>
<th>Flow - SCFM</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flow - dm/s</th>
<th>Pressure Drop - bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flow - dm/s</th>
<th>Pressure Drop - PSIG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>200</td>
<td>20</td>
</tr>
<tr>
<td>500</td>
<td>50</td>
</tr>
<tr>
<td>600</td>
<td>60</td>
</tr>
</tbody>
</table>

Specifications

Gauge Ports (2) 1/4 Inch
Port Threads 3/4, 1, 1-1/2 Inch
Primary Pressure Rating Max. 250 psig (17.2 bar) Max.
Temperature Rating 32°F to 175°F (0°C to 80°C)
Weight 3/4" 3.3 lb. (1.5 kg)
1" 3.3 lb. (1.5 kg)
1-1/2" 4.4 lb. (2.0 kg)

Materials of Construction

Adjusting Stem Steel
Body Aluminum
Bonnet Aluminum
Piston Plastic
Poppet Assembly Brass
Seals Nitrile
Springs – Poppet Steel

* If 1-1/2 BSPP E02 fittings are required, use P3NKA0B0MW.

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