

14E Filter / Regulator – Miniature

- Excellent water removal efficiency
- Unbalanced poppet standard
- Solid control piston for extended life
- Space saving package offers both filter and regulator features in one integral unit
- Non-rising adjustment knob
- Two full flow 1/8" gauge ports
- 1/8", 1/4" ports (NPT, BSPP, BSPT)



| Port Size | Description ‡ | Part Number |
|-----------|------------------------------|-------------------|
| 1/8" | Poly Bowl, Twist Drain | 14E01B13FC |
| 1/8" | Metal Bowl, Twist Drain | 14E03B13FC |
| 1/8" | Poly Bowl, Auto Pulse Drain | 14E05B13FC |
| 1/8" | Metal Bowl, Auto Pulse Drain | 14E07B13FC |
| 1/4" | Poly Bowl, Twist Drain | 14E11B13FC |
| 1/4" | Metal Bowl, Twist Drain | 14E13B13FC |
| 1/4" | Poly Bowl, Auto Pulse Drain | 14E15B13FC |
| 1/4" | Metal Bowl, Auto Pulse Drain | 14E17B13FC |

‡ For polycarbonate bowl, see caution in Engineering Section A.

NOTE: 1.218 Dia. (31 mm) hole required for panel mounting.

Operating information

Supply pressure (max):

| | |
|--------------|-------------------------------|
| Plastic bowl | 0 to 150 psig (0 to 10.3 bar) |
| Metal bowl | 0 to 250 psig (0 to 17.2 bar) |

Secondary pressure ranges

| | |
|----------|------------------------------|
| Standard | 2 to 125 psig (0 to 8.6 bar) |
| Medium | 1 to 30 psig (0 to 2.1 bar) |
| Medium | 1 to 60 psig (0 to 4.1 bar) |
| Low | 1 to 15 psig (0 to 1 bar) |

Operating temperature:

| | |
|--------------|-----------------------------|
| Plastic bowl | 32°F to 125°F (0°C to 52°C) |
| Metal bowl | 32°F to 175°F (0°C to 80°C) |

Flow capacity†:

| | | |
|-----------|------|--------------------------|
| High flow | 1/8" | 16 scfm (7.6 dm³/s, ANR) |
| | 1/4" | 18 scfm (8.5 dm³/s, ANR) |

Bowl capacity:

1 oz.

Auto pulse drain tube barb

1/8 inch

Gauge ports (2):

1/8 inch

(can be used as additional full flow)

Weight:

0.4 lb (0.18 kg)

† scfm = Standard cubic feet per minute at 100 psig inlet and 10 psig pressure drop.

Ordering Information:

| 14E | 1 | 1 | B | 13 | F | C | | | | | | | | | | | |
|--|-------------|---|----------|---|----------|---|-------------|--|------------|------------|------------|------------|------------|-------------|-------------|--|--|
| Port Size 1/8 inch 0 1/4 inch 1 | | Bowl Options Poly Bowl, Twist Drain 1 Poly Bowl, Auto Pulse Drain 5 Metal Bowl, Twist Drain 3 Metal Bowl, Auto Pulse Drain 7 | | Element 40 Micron A 5 Micron B Adsorber Z | | Engineering Level C Current | | Relief F Relieving G Non-Relieving H* Low Temp. Relieving * Twist drain only. | | | | | | | | | |
| | | | | | | Port Type Blank NPT 1 BSPP 2 BSPT | | Preset / Pressure Limited Blank None XXX* Preset Pressure XXX* Pressure Limited * Available preset / pressure limited range, 10 to 90 psig in 5 psig increments. For higher pressures, contact factory. (Example: 065 = 65 psig) | | | | | | | | | |
| | | | | Pressure Range <table border="1"> <tr> <th>Without Gauge</th> <th>With Gauge*</th> </tr> <tr> <td>30 psig 10</td> <td>30 psig 15</td> </tr> <tr> <td>60 psig 11</td> <td>60 psig 16</td> </tr> <tr> <td>15 psig 12</td> <td>15 psig 17</td> </tr> <tr> <td>125 psig 13</td> <td>125 psig 18</td> </tr> </table> * Not available with BSPP or BSPT port types. | | Without Gauge | With Gauge* | 30 psig 10 | 30 psig 15 | 60 psig 11 | 60 psig 16 | 15 psig 12 | 15 psig 17 | 125 psig 13 | 125 psig 18 | Options Blank No options L † Preset Non-Adjustable P † Preset Adjustable S † Pressure Limiter Max. Adjustable T † Pressure Limiter Max. Non-Adjustable † Inlet pressure is 100 psig. For other pressures contact factory. | |
| Without Gauge | With Gauge* | | | | | | | | | | | | | | | | |
| 30 psig 10 | 30 psig 15 | | | | | | | | | | | | | | | | |
| 60 psig 11 | 60 psig 16 | | | | | | | | | | | | | | | | |
| 15 psig 12 | 15 psig 17 | | | | | | | | | | | | | | | | |
| 125 psig 13 | 125 psig 18 | | | | | | | | | | | | | | | | |

Spring Type by Preset / Limited Pressure:
 For Preset / Limited Pressure 10 to 25 use 30 psi spring
 For Preset / Limited Pressure 26 to 50 use 60 psi spring
 For Preset / Limited Pressure 51 to 90 use 125 psi spring

Most popular.



For inventory, lead times, and kit

J34

Parker Hannifin Corporation
Pneumatic Division

MINIATURE FILTER / REGULATORS

Material Specifications

| | |
|---|--------------------|
| Adjusting nut | Brass |
| Adjusting stem & spring | Steel |
| Body | Zinc |
| Bonnet, knob, seat, piston, holder & deflector | Plastic |
| Transparent bowl | Polycarbonate |
| Metal bowl (without sight gauge) | Zinc |
| Twist drain, body & stem | Plastic |
| Twist drain, seals | Nitrile |
| Auto pulse drain, piston & seals | Nitrile |
| Auto pulse drain, stem, seat, adaptor & washers | Aluminum |
| 5 Micron elements (standard) | Plastic |
| 40 Micron elements (optional) | Plastic |
| Adsorber elements (optional) | Activated charcoal |
| Seals | Nitrile |

Repair and Service Kits

| | |
|--|--------------------|
| Bonnet tamperproof kit | P01265 |
| Poly bowl / auto drain | PS408BP |
| Poly bowl / twist drain | PS404P |
| Metal bowl / auto drain | PS451BP |
| Metal bowl / twist drain | PS447BP |
| 40 micron element | PS401P |
| 5 micron element | PS403P |
| Adsorber element | PS452P |
| 30 psig (0 to 2.1 bar), gauge | K4515N18030 |
| 60 psig (0 to 4.1 bar) | K4515N18060 |
| 160 psig (0 to 11.0 bar) element | K4515N18160 |
| Mounting bracket kit* (includes panel mount nut) | PS417BP |
| Panel mount nut* | P78652 |
| Unbalanced, non-relieving | PS428P |
| Unbalanced, relieving | PS426P |
| 1- 15 psig spring (yellow) | P01176 |
| 1- 30 psig spring (black) | P01175 |
| 1- 60 psig spring (white) | P01174 |
| 2- 125 psig spring (gold) | P01173 |

*Tighten panel mount nut 2.8 to 3.4 Nm (25 to 30 in-lbs) of torque.



WARNING

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

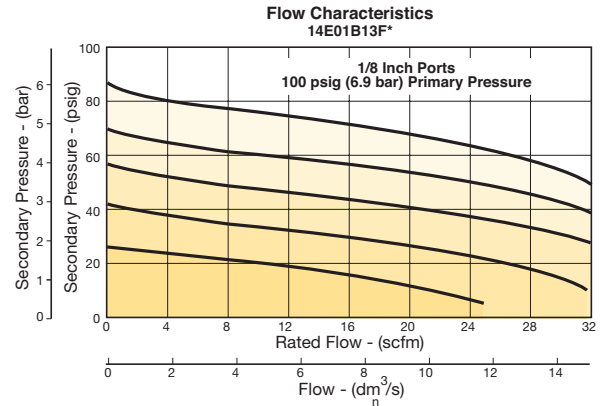
CAUTION:

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.

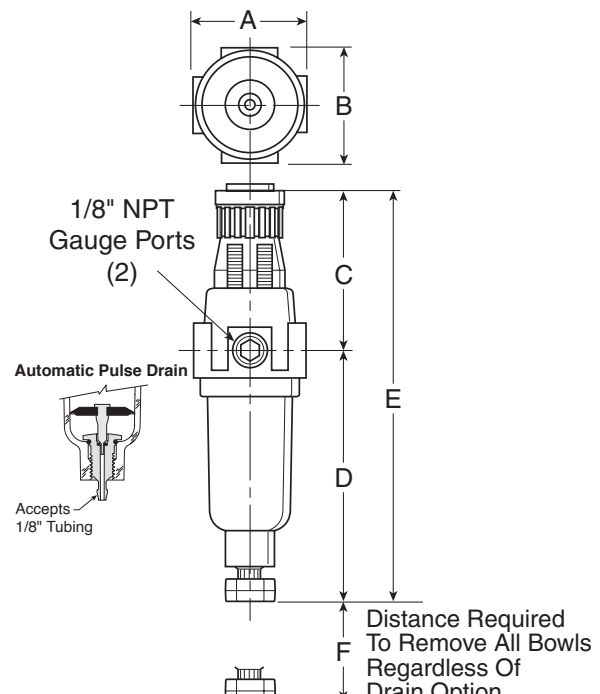
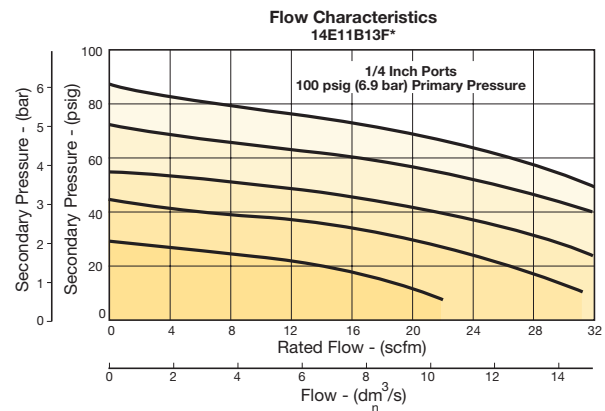
MINIATURE / INLINE

Flow Charts

14E 1/8" Filter / Regulator



14E 1/4" Filter / Regulator



Filters

Coalescers

Regulators

Filter /
Regulators

Lubricators

Miniature / Inline
Products



For inventory, lead times, and kit

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