Filter / Regulator
B28

Features
- 5 Micron Filtration
- Balanced Valve Design
- Spring Loaded Diaphragm
- 3/4" NPT / BSPP-G Over-Ported
- Quick-Disconnect Bowl / Bowl Guard
- Light Weight
- High Flow Capacities

Specifications

| Flow Capacity* | 3/8 | 200 SCFM (94 dm³/s, ANR) |
|               | 1/2 | 200 SCFM (94 dm³/s, ANR) |
|               | 3/4 | 235 SCFM (109 dm³/s, ANR) |

| Adjusting Range Pressure | 0 to 30 PSIG (0 to 2.1 bar) |
|                         | 0 to 60 PSIG (0 to 4.1 bar) |
|                         | 0 to 125 PSIG (0 to 8.6 bar) |
|                         | 0 to 250 PSIG (0 to 17.2 bar) |

| Gauge Port (2) | NPT / BSPP-G |
|               | 1/4 |

| Maximum Supply Pressure | Plastic Bowl | 150 PSIG (10.3 bar) |
|                        | Metal Bowl   | 250 PSIG (17.2 bar) |

| Operating Pressure | Plastic Bowl | -13° to 125°F (-25° to 52°C) |
|                   | Metal Bowl   | -13° to 150°F (-25° to 65.5°C) |

| Port Size          | NPT / BSPP-G |
|                   | 3/8, 1/2, 3/4 |

| Bowl Capacity      | 2.87 oz |

| Standard Filtration | 5 Micron |

| Weight            | 1.87 lb. (0.85 kg) |

* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar) and 14.5 psig (1 bar) pressure drop.

"F" Series Filters, Type "A" 5 micron elements: All Wilkerson Type "A" 5 micron elements meet or exceed ISO Class 3 for maximum particle size and concentration of solid contaminants.

Air quality: Within ISO 8573-1: 1991 Class 3 (Particulates)
Within ISO 8573-1: 2001 Class 6 (Particulates)

Materials of Construction

Adjustment Knob Acetal
Body Aluminum
Body Cap ABS
Bowl Plastic Bowl Polycarbonate
Metal Bowl Aluminum
Diaphragm Assembly Nitrile / Zinc
Element Retainer / Baffle Acetal
Filter Element Sintered Polyethylene
Panel Nut Acetal
Seals Plastic Bowl Nitrile
Metal Bowl Nitrile
Sight Gauge Metal Bowl Polyamide (Nylon)
Springs Main Regulating / Valve Steel / S.S.
Valve Assembly Brass / Nitrile

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.

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Replacement Bowl Kits
Metal Bowl –
- Sight Gauge, Automatic Drain.................. GRP-96-645
- Sight Gauge, Manual Drain................... GRP-96-644
Plastic Bowl –
- Bowl Guard, Automatic Drain.................. GRP-96-643
- Bowl Guard, Manual Drain................... GRP-96-642

Replacement Element Kits
Type A*, 5 Micron........................................... FRP-96-653
Element, Deflector, Retainer kit..................... FRP-96-283

Replacement Kits
Adjusting Knob.................................................. RRP-16-341-000
Diaphragm Assembly –
- Non-relieving........................................ RRP-96-987
- Relieving................................................ RRP-96-986

Spring, Regulating –
- 0 to 30 PSIG (0 to 2.1 bar).................... RRP-96-163
- 0 to 60 PSIG (0 to 4.1 bar).................... RRP-96-164
- 0 to 125 PSIG (0 to 8.6 bar).................. RRP-96-165
- 0 to 250 PSIG (0 to 17.2 bar)................ RRP-96-166
Valve Assembly.................................................. GPA-96-602

Accessories
Automatic Drain –
- Fluorocarbon.......................................... GRP-95-981
- Nitrile.................................................. GRP-95-973
Manual Drain.................................................. GPA-96-685

Panel Mount Nut –
- Aluminum............................................. RRP-96-674
- Plastic.................................................. RRP-96-676

Gauge, Pressure –
- 50mm (2") round 1/4" center back mount
  - 0-30 PSIG / 0-2 bar............................. K4520N14030
  - 0-60 PSIG / 0-4 bar............................. K4520N14060
  - 0-160 PSIG / 0-11 bar....................... K4520N14160
  - 0-300 PSIG / 0-20 bar...................... K4520N14300
  - 0 to 160 PSIG, 1-3/4" Digital Round,
    1/4" NPT........................................... K4517N14160D

Tamper Resistant Kit...................................... RRP-96-672
Sight Gauge Kit............................................ GRP-96-825
Wall Mounting Bracket –
- L-Type (Body)...................................... GPA-96-605
- L-Type (Bonnet).................................... GPA-96-607
- T-Type............................................. GPA-96-602

Ordering Information
<table>
<thead>
<tr>
<th>Model Type</th>
<th>Port Size</th>
<th>Plastic Bowl / Bowl Guard With Gauge 5 to 125 PSIG (0.4 to 8.6 bar)</th>
<th>Metal Bowl / Sight Gauge With Gauge 5 to 125 PSIG (0.4 to 8.6 bar)</th>
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<tbody>
<tr>
<td>Manual Drain</td>
<td>1/4</td>
<td>B28-03-FGG0B</td>
<td>B28-03-FLG0B</td>
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<td>3/8</td>
<td>B28-04-FGG0B</td>
<td>B28-04-FLG0B</td>
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<td>1/2</td>
<td>B28-06-FGG0B</td>
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Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.