PGFV Vapor Removal Filter Specifications

> PGFV 200 port size: 1/4" and 3/8" (ISO G/NPT)
> PGFV 400 port size: 3/8", 1/2", 3/4" (ISO G/NPT)
> PG series design allows in-line installation or modular installation with other PG series products
> Adsorbing type activated carbon element removes oil vapors and most hydrocarbon odors
> Double safety lock bowl
> Lightweight polycarbonate bowl
> Metal bowl option
> Air purity class in accordance with ISO 8573-1: Remaining oil aerosol to class 0

Technical Features

**Medium:** Compressed air only

**Maximum operating pressure:**

- Polycarbonate bowl: 145 psi (10 bar)
- PG200 metal bowl: 248 psi (17 bar)
- PG400 metal bowl: 290 psi (20 bar)
- Remaining oil content: 0.003 mg/m³ max. at 69°F (21°C)

**PGFV 200 port size:**
- G1/4, G3/8, 1/4 PTF, 3/8 PTF

**PGFV 400 port size:**
- G3/8, G1/2, G3/4, 3/8 PTF, 1/2 PTF, 3/4 PTF

**Ambient/Media temperature:**
- Polycarbonate bowl: 14 to 140°F (-10 to 60°C)
- Metal bowl: -4 to 149°F (-20 to 65°C)

Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).

Note: Install an PGFL coalescing filter upstream of the PGFV filter for maximum service life.

**PGFV 200 Flow:**
- 40 scfm
- 91 psi (6.3 bar) inlet
- 7.25 psi (0.5 bar) pressure drop
- 1/4" flow = 40 scfm (18.8 dm³/s)

**PGFV 400 flow:**
- 53 scfm (25 dm³/s)
To maintain stated oil content at port size: 1/2"
- Operating pressure: 91 psi (6.3 bar)

**Materials:**
- Body: Die cast aluminium
- Body covers: ABS

### Technical Data PGFV 200

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Port Size</th>
<th>Drain</th>
<th>Filter Element</th>
<th>Bowl</th>
<th>Weight lbs (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/4</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Guarded polycarbonate</td>
<td>0.46 (0.21)</td>
<td>PGFV 200-08C-P-T</td>
</tr>
<tr>
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<td>3/8</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Guarded polycarbonate</td>
<td>0.44 (0.20)</td>
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<tr>
<td></td>
<td>1/4</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Metal bowl with sight glass</td>
<td>0.88 (0.40)</td>
<td>PGFV 200-08C-D-T</td>
</tr>
<tr>
<td></td>
<td>3/8</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Metal bowl with sight glass</td>
<td>0.88 (0.40)</td>
<td>PGFV 200-10C-D-T</td>
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</tbody>
</table>

### Technical Data PGFV 400

<table>
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<tr>
<th>Symbol</th>
<th>Port Size</th>
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<th>Filter Element</th>
<th>Bowl</th>
<th>Weight lbs (kg)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/4</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Guarded polycarbonate</td>
<td>0.8 (0.38)</td>
<td>PGFV 400-10C-P-T</td>
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<tr>
<td></td>
<td>3/8</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Guarded polycarbonate</td>
<td>0.8 (0.38)</td>
<td>PGFV 400-15C-P-T</td>
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<tr>
<td></td>
<td>1/4</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Guarded polycarbonate</td>
<td>0.8 (0.38)</td>
<td>PGFV 400-20C-P-T</td>
</tr>
<tr>
<td></td>
<td>3/8</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Metal bowl with sight glass</td>
<td>1.1 (0.52)</td>
<td>PGFV 400-10C-D-T</td>
</tr>
<tr>
<td></td>
<td>1/4</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Metal bowl with sight glass</td>
<td>1.1 (0.52)</td>
<td>PGFV 400-15C-D-T</td>
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<tr>
<td></td>
<td>3/8</td>
<td>Closed bowl</td>
<td>Vapor removal</td>
<td>Metal bowl with sight glass</td>
<td>1.1 (0.52)</td>
<td>PGFV 400-20C-D-T</td>
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</tbody>
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