**COMPRESSED AIR FILTER MADE OF BRASS, UP TO 50 BAR**

**Description:** Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.

**Filter element:** 50 μm, optionally 5 μm, made of stainless steel

**Drainage:** Screw plug as standard optionally for compressed air only: manual drain (max. 30 bar), automatic drain (max. 16 bar)

**Operating pressure:** Max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)

**Temperature range:** 0 °C to 80 °C / 32 °F to 160 °F, for PEEK or EPDM,
0 °C to 130 °C / 32 °F to 266 °F, for high temperature version,
for appropriately conditioned compressed air down to -20 °C / -4 °F
or low temperature version down to -40 °C / -40 °F

**Material:**
- **Body:** brass
- **Bowl:** stainless steel 316L, material no 1.4404, brass at FM-01/-A2
- **Elastomer:** PTFE, optionally EPDM
- **Inner valve:** brass and plastic (not at high temperature version)

---

**Dimensions**

<table>
<thead>
<tr>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>Bowl Design</th>
<th>Flow Capacity</th>
<th>Supply max.</th>
<th>Filter element</th>
<th>Connection</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>92</td>
<td>81</td>
<td>brass</td>
<td>0.03</td>
<td>45</td>
<td>750</td>
<td>50</td>
<td>G¾ 5</td>
</tr>
<tr>
<td>40</td>
<td>92</td>
<td>81</td>
<td>brass</td>
<td>0.03</td>
<td>45</td>
<td>750</td>
<td>50</td>
<td>G¾ 5</td>
</tr>
<tr>
<td>64</td>
<td>140</td>
<td>125</td>
<td>stainless steel</td>
<td>0.14</td>
<td>54</td>
<td>900</td>
<td>50</td>
<td>G¼ 0.01</td>
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<tr>
<td>64</td>
<td>140</td>
<td>125</td>
<td>stainless steel</td>
<td>0.14</td>
<td>60</td>
<td>1000</td>
<td>50</td>
<td>G¾ 5</td>
</tr>
<tr>
<td>79</td>
<td>150</td>
<td>130</td>
<td>stainless steel</td>
<td>0.20</td>
<td>150</td>
<td>2500</td>
<td>50</td>
<td>G½ 0.01</td>
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<tr>
<td>137</td>
<td>189</td>
<td>168</td>
<td>stainless steel</td>
<td>0.50</td>
<td>432</td>
<td>7200</td>
<td>50</td>
<td>G¾ 0.01</td>
</tr>
<tr>
<td>137</td>
<td>189</td>
<td>168</td>
<td>stainless steel</td>
<td>0.50</td>
<td>432</td>
<td>7200</td>
<td>50</td>
<td>G1 5</td>
</tr>
<tr>
<td>241</td>
<td>189</td>
<td>168</td>
<td>stainless steel</td>
<td>0.50</td>
<td>432</td>
<td>7200</td>
<td>50</td>
<td>G1¼ 0.01</td>
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<td>241</td>
<td>189</td>
<td>168</td>
<td>stainless steel</td>
<td>0.50</td>
<td>432</td>
<td>7200</td>
<td>50</td>
<td>G½ 0.01</td>
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<tr>
<td>180</td>
<td>297</td>
<td>215</td>
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<td>1.00</td>
<td>900</td>
<td>15000</td>
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<td>G1½ 5</td>
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<tr>
<td>180</td>
<td>297</td>
<td>215</td>
<td>stainless steel</td>
<td>1.00</td>
<td>960</td>
<td>16000</td>
<td>50</td>
<td>G2 5</td>
</tr>
</tbody>
</table>

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**Brass filter with screw plug, operating pressure max. 50 bar, 50 μm**

- **FM-01**
- **FM-01G**
- **FM-02**
- **FM-02G**
- **FM-02I**
- **FM-03**
- **FM-03G**
- **FM-03I**
- **FM-04**
- **FM-04G**
- **FM-04I**
- **FM-05**
- **FM-05G**
- **FM-05I**
- **FM-06**
- **FM-06G**
- **FM-06I**
- **FM-07**
- **FM-07G**
- **FM-07I**
- **FM-08**
- **FM-08G**
- **FM-08I**
- **FM-09**
- **FM-09G**
- **FM-09I**
- **FM-10**
- **FM-10G**
- **FM-10I**
- **FM-11**
- **FM-11G**
- **FM-11I**
- **FM-12**
- **FM-12G**
- **FM-12I**
- **FM-13**
- **FM-13G**
- **FM-13I**
- **FM-14**
- **FM-14G**
- **FM-14I**
- **FM-15**
- **FM-15G**
- **FM-15I**
- **FM-16**
- **FM-16G**
- **FM-16I**

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*Extensions: see chapter for FRL service units

Spare parts: see separate spare parts list

**PDF CAD**

www.aircom.net

**Order example:** FM-01
COMPRESSED AIR FILTER MADE OF BRASS, UP TO 50 BAR

**Description**
Filter with bowl without sight glass, extremely robust, for compressed air, non-corrosive gases or liquids.

**Filter Element**
50 μm, optionally 5 μm, made of stainless steel - Bowl: stainless steel version without sight glass

**Drainage**
screw plug as standard

**Operating Pressure**
max. 50 bar (without drain), optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)

**Temperature Range**
0 °C to 80 °C / 32 °F to 140 °F, for PMK or EPDM,
0 °C to 130 °C / 32 °F to 266 °F, for high temperature version,
for appropriately conditioned compressed air down to -20 °C / -4 °F
or low temperature version down to -40 °C / -40 °F

**Material**
Body: brass
Bowl: stainless steel 316L, material no 1.4404, brass at FM-01/-A2
Elastomer: PMK, optionally EPDM
Inner valve: brass and plastic (not at high temperature version)

**Dimensions**

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Design</th>
<th>Bowl Capacity</th>
<th>Flow Rate</th>
<th>Supply max. Rate</th>
<th>Filter Element</th>
<th>Connection</th>
<th>Order Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>made of</td>
<td>l/min*</td>
<td>l/min*</td>
<td>l/min*</td>
<td>μm</td>
<td>G</td>
<td></td>
</tr>
</tbody>
</table>

**Special Options**
- add the appropriate letter

- **NPT**
  - connection thread
  - for G¼" to G½", G⅛" (12) and G2
  - for G¾ to G1½ (1A)
  - for G½ (02)

- **P1: max. 80 bar**
  - down to -40 °C
  - low temperature version
  - FM-00 N
  - FM-00 X51
  - FM-00 X54
  - FM-00 N
  - FM-00 X51

- **upto 130 °C**
  - high temperature version
  - FM-00 H
  - FM-00 E

- **manual drain**
  - max. 30 bar
  - for G¼ (02)
  - FM-00 R

- **automatic drain**
  - made of SST, max. 16 bar
  - for G¼ (02)
  - FM-00 F

- **EPDM-elastomer**
  - carbon dioxide (CO₂)
  - argon (Ar)
  - nitrogen (N₂)
  - helium (He)
  - hydrogen (H₂)
  - methane (CH₄)
  - oxygen (O₂)
  - propane (C₃H₈)
  - nitrous oxide (N₂O)
  - for water 50 μm only
  - for G¼ (02) to G2
  - FM-00 W
  - FM-00 F

- **For Flange Connection**
  - see chapter for stainless steel devices / flanges
  - FM-00 F

**Accessories, enclosed**

- **Mounting Bracket**
  - made of stainless steel
  - for G¼ (02) and G½
  - for G½
  - for G¾ to G1½ (1A)

- **Set of Brackets**
  - made of steel
  - for G1½ (12) and G2

**Order Example:**

- **Order Example:**
  - FM-00-17S

**Extensions:**
see chapter for FRL service units

**Spare Parts:**
see separate spare parts list

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*1 at 7 bar operating pressure and 0.33 bar pressure drop

**PDF CAD**

www.aircom.net

**Order Example:**

- **FM-00-17S**