Characteristics

Designed to be used as filler ports for hydraulic reservoirs, allowing the reservoir to breathe whilst protecting it from contamination found in harsh environments.

Features
- Cap diameter of Ø80 mm / Ø3.15 in
- Bayonet version with a six-hole bolt pattern for flange interfaces similar to DIN 24557, part 2

Materials
- Breather cap made of Steel, chrome-plated (standard option);
  zinc/nickel-plated (Fe/Zn Ni 6); free of hexavalent chromium CrVI) and epoxy-coated versions available
- Bayonet flange made of Steel, zinc-plated
- Basket made of Steel, zinc-plated or Polyamide (PA)
- Dipstick adaptor made of Polyamide (PA)
- Sealing made of Cork (for filler breathers without pressurisation) or NBR (Buna-N®) (for pressurised filler breathers)

Consult STAUFF for alternative materials.

Accessories / Options
- Metal or plastic basket (800 μm)
- Pressurisation up to 0.7 bar / 10 PSI
- Air filter element
- Locking feature
- Dipstick adaptor (suitable for plastic dipstick DS-1)
- Plastic dipstick with integrated anti-splash feature

Maximum Air Flow Rate
- 0.45 m³/min / 15.89 cfm

Consult STAUFF for detailed air flow curves.

Oil Displacement
- 4500 l/min / 119 US GPM

Installation
- Six-hole bolt pattern for flange interfaces similar to DIN 24557, part 2.

- 6 self-tapping screws #10-32UNF x 1.27 (50) are included in delivery; can be replaced by regular M5 bolts, if required

Order Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Type / Version</th>
<th>Cap Diameter / Material / Surface Finishing</th>
<th>Sealing Material</th>
<th>Basket Option</th>
<th>Pressurisation</th>
<th>Locking Feature</th>
<th>Air Filter Element / Micron Rating</th>
<th>Dipstick</th>
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</thead>
<tbody>
<tr>
<td>SMBB</td>
<td>Metal Filler Breather; Bayonet version</td>
<td>Cap diameter Ø80 mm (Ø3.15 in); Breather cap made of Steel, chrome-plated (standard option)</td>
<td>Without pressurisation (standard option)</td>
<td>Without air filter element</td>
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<tr>
<td>80C</td>
<td>Cap diameter Ø80 mm (Ø3.15 in); Breather cap made of Steel, chrome-plated (standard option)</td>
<td>Cork (for filler breathers without pressurisation)</td>
<td>Without basket</td>
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<td></td>
<td>With locking feature</td>
<td>3µm Filter Paper / PUR (standard option)</td>
<td></td>
</tr>
<tr>
<td>80E</td>
<td>Cap diameter Ø80 mm (Ø3.15 in); Breather cap made of Steel, epoxy-coated</td>
<td>NBR (Buna-N®) (for pressurised filler breathers)</td>
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<td>80G</td>
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Consult STAUFF for alternative materials.

Glossary

- **Locking Feature**
  - Without locking feature (standard option)
  - With locking feature (see drawing above)

- **Pressurisation**
  - Without pressurisation (standard option)
  - Pressurised at 0.35 bar / 5 PSI
  - Pressurised at 0.7 bar / 10 PSI

- **Sealing Material**
  - Cork (for filler breathers without pressurisation)
  - NBR (Buna-N®) (for pressurised filler breathers)

- **Basket Option**
  - Without basket
  - Plastic basket (95 mm / 3.74 in)
  - Metal basket (80 mm / 3.15 in)
  - Metal basket (100 mm / 3.94 in)
  - Heavy duty metal basket (200 mm / 7.87 in)

- **Dipstick**
  - Without dipstick (standard option)
  - Plastic dipstick (300 mm / 11.81 in)

A shorter dipstick length can be achieved by simply cutting down the total length according to individual requirements.

Please note: The dipstick adaptor is required for the subsequent installation of plastic dipsticks DS-1 (see page 14 for details), and is content of delivery when ordering a pressurised version.

Dimensions / Technical Data / Order Codes

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