**Desiccant Air Breather incl. Air Filter Element**

**Type SDB**

![Image](https://via.placeholder.com/150)

**Dimensions and Technical Data**

<table>
<thead>
<tr>
<th>Type</th>
<th>Thread T</th>
<th>Dimensions cm² / in²</th>
<th>Weight g / lbs</th>
<th>Complete Unit</th>
<th>Drying Agent</th>
<th>Volume m³/min</th>
<th>Max. Water Absorption g / .19 lbs</th>
<th>Air Filter Elements</th>
<th>Filter Material</th>
<th>Micron Rating</th>
<th>Filter Surface</th>
<th>Max. Air Flow Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDB-093/2</td>
<td>Male G3/4 BSP</td>
<td>98 160 18 32 1200 225</td>
<td>300 86</td>
<td>SGB-090-03-B</td>
<td>3µm Synthesis Fibre</td>
<td>752 cm³</td>
<td>0,70 m³/min</td>
<td>150</td>
<td>115 in³</td>
<td>24.71 cfm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDB-096/2</td>
<td>Male G3/4 BSP</td>
<td>98 220 18 32 1500 450</td>
<td>600 172</td>
<td>SGB-090-03-B</td>
<td>3µm Synthesis Fibre</td>
<td>752 cm³</td>
<td>0,70 m³/min</td>
<td>150</td>
<td>115 in³</td>
<td>24.71 cfm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDB-121/2</td>
<td>Male G1-1/4 BSP</td>
<td>130 258 25 50 2700 750</td>
<td>1000 288</td>
<td>SGB-120-03-B</td>
<td>3µm Synthesis Fibre</td>
<td>2095 cm³</td>
<td>1,50 m³/min</td>
<td>288</td>
<td>320 in³</td>
<td>52.97 cfm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDB-122/2</td>
<td>Male G1-1/4 BSP</td>
<td>130 355 25 50 4000 1500</td>
<td>2000 576</td>
<td>SGB-120-03-B</td>
<td>3µm Synthesis Fibre</td>
<td>2095 cm³</td>
<td>1,50 m³/min</td>
<td>288</td>
<td>320 in³</td>
<td>52.97 cfm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Characteristics**

**Combination of air breather and water removal filter**

When a reservoir or gearbox breathes, air containing water vapor is ingested into the system. Temperature fluctuations will cause this water vapor to condense which can speed up the oxidation of the fluid and lead to damage in the system.

While inhaling, Desiccant Air Breathers SDB first dry the air as it passes through the drying agent. The air then passes through a 3µm air filter element to remove any solid contamination particles.

**Accessories / Spare Parts**

**Adaptor plate**
- for SDB-093/2 and SDB-096/2: AP-1
- for SDB-121/2 and SDB-122/2: AP-2

**Visual contamination indicator**
- for all sizes (in conjunction with adaptor plate only): FM

**Drying agent refilling material (supplied in air tight container)**
- for SDB-093/2 (300 cm³ / 18.3 in³): RD-093
- for SDB-096/2 (600 cm³ / 26.6 in³): RD-096
- for SDB-121/2 (1000 cm³ / 61.0 in³): RD-121
- for SDB-122/2 (2000 cm³ / 122.0 in³): RD-122

**Active carbon refilling material (supplied in air tight container)**
- for SDB-093/2, SDB-096/2, and SDB-121/2 (300 cm³ / 18.3 in³): RC-093/096/121
- for SDB-122/2 (600 cm³ / 38.3 in³): RC-122

**Replacement air filter element (sealing included)**
- for SDB-093/2 and SDB-096/2: SGB-090-03-B
- for SDB-121/2 and SDB-122/2: SGB-120-03-B

**Order Codes**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDB</td>
<td>Desiccant Air Breather</td>
</tr>
<tr>
<td>122</td>
<td>Drying Agent Material</td>
</tr>
<tr>
<td>RC</td>
<td>Regular drying agent (standard option)</td>
</tr>
<tr>
<td>AP</td>
<td>Replacement air filter element</td>
</tr>
<tr>
<td>FM</td>
<td>Contamination Indicator</td>
</tr>
<tr>
<td>X</td>
<td>Design Code</td>
</tr>
</tbody>
</table>

**Features**

- Available in 4 different sizes
- Diameter of Ø100 mm / Ø3.94 in or Ø130 mm / Ø5.12 in
- Refillable with drying agent (non-toxic ZR gel grain) or a mix of drying agent and active carbon
- Replaceable air filter element SGB
- Connection: Male BSP thread (ISO 228) on Stainless Steel tube
- Available with adapter plate to simplify installation and to enable the use of a visual contamination indicator
- Operating temperature range: -40 °C ... +90 °C / -40 °F ... +194 °F

**Ordering Information**

- See page 47 for further technical details.

*Note: The operation of the Desiccant Air Breather may vary at temperatures below 0°C / 32°F due to very low humidity%.