TAP 115 - SAP 115

Filler plug and polyamide air filter up to 3000 l/min
TAP 115 GENERAL INFORMATION

Technical data

**Air breathers & Filler plugs**

Filler plug and polyamide air filters
Flow rates up to 2150 l/min

TAP115 is a range of plastic large air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures. They are directly fitted on the tank.

**Available features:**
- Flanged connection, for a maximum flow rate of 2150 l/min
- Replaceable filter element.
- Fine cellulose and microfibre filtration, to get a good cleanliness level into the reservoir. Polyester media is an option for heavy environmental conditions (high humidity, sand …)
- Visual clogging indicator
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank

**Common applications:**
- Hydraulic systems
- Mobile machines
- Industrial equipment

**Designation & Ordering code**

**Complete Filler Plug / Complete Air Filter**

<table>
<thead>
<tr>
<th>Series</th>
<th>Configuration example: TAP115 2 F A03 A 1 A P01</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series</strong></td>
<td>TAP115</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>1 2</td>
</tr>
<tr>
<td><strong>Connections</strong></td>
<td>F Flange</td>
</tr>
</tbody>
</table>
| **Filtration rating** | A03 Inorganic microfiber 3 µm  
|                  | L10 Resin impregnated paper 10 µm               |
| **Seals**       | A NBR V FPM                                      |
| **Version**     | 1 With basket                                    |
| **Clogging indicator** | A Without indicator   
|                  | B With visual clogging indicator                 |

**Filter Element**

<table>
<thead>
<tr>
<th>Filter element series</th>
<th>Configuration example: A115 2 A03 P01</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Series</strong></td>
<td>A115</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>1 2</td>
</tr>
</tbody>
</table>
| **Filtration rating** | A03 Inorganic microfiber 3 µm  
|                       | L10 Resin impregnated paper 10 µm    |
| **Execution**         | P01 MP Filtri standard  
Pxx Customized |

**Flow rate Δp 0.02 bar**

<table>
<thead>
<tr>
<th>Filter element</th>
<th>Flow rate [l/min]</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAP115 length 1</td>
<td>1600 2000</td>
</tr>
<tr>
<td>TAP115 length 2</td>
<td>2150 2150</td>
</tr>
</tbody>
</table>

**Materials**
- Cover/flange: Polyamide
- Filter element: Microfibre, Resin impregnated paper
- Seals: NBR, FPM
- Basket/screws: Galvanized steel

**Clogging indicators**
- Manual reset
- Set pressure 0.062 bar ±10%

**Temperature**
From -25 °C to +100 °C

**Weight**
- TAP 115 length 1 0.460 kg
- TAP 115 length 2 0.585 kg
## Dimensions

### TAP115

<table>
<thead>
<tr>
<th>Length</th>
<th>H [mm]</th>
<th>H2 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>91</td>
<td>55</td>
</tr>
<tr>
<td>2</td>
<td>155</td>
<td>80</td>
</tr>
</tbody>
</table>

- **H2** - Recommended clearance space for maintenance
- **Visual clogging indicator**
- **Flat seal**
- **Holes on the tank**
- **M5 - Nr. 6 holes**
SAP 115

**Technical data**

### Air breathers & Filler plugs

**Filler plug and polyamide air filters**

Flow rates up to 3000 l/min

SAP115 is a range of plastic large air breathers for protection of the tank against the solid contamination contained into the air. They are directly fitted on the tank.

**Available features:**

- Male threaded connections up to 1 1/2”, for a maximum flow rate of 3000 l/min.
- Replaceable filter element.
- Fine cellulose and microfibre filtration, to get a good cleanliness level into the reservoir. Polyester media is an option for heavy environmental conditions (high humidity, sand ….)
- Visual clogging indicator
- Anti-splash, to avoid fluid coming out through the air breather due to sloshing
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank

**Common applications:**

- Hydraulic systems
- Mobile machines
- Industrial equipment

### Designation & Ordering code

**COMPLETE FILLER PLUG / COMPLETE AIR FILTER**

<table>
<thead>
<tr>
<th>Series</th>
<th>Configuration example: SAP115</th>
<th>2</th>
<th>A</th>
<th>A03</th>
<th>A</th>
<th>1</th>
<th>A</th>
<th>P01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>SAP115 length 1 - G1”</td>
<td>1830</td>
<td>2170</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SAP115 length 2 - G1”</td>
<td>2800</td>
<td>2800</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>SAP115 length 1 - G1 1/2”</td>
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<td>2330</td>
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<td></td>
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<tr>
<td></td>
<td>SAP115 length 2 - G1 1/2”</td>
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<td>3000</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

**Filtration rating**

- A03 Inorganic microfiber 3 µm
- L10 Resin impregnated paper 10 µm

**Seals**

- A NBR

**Version**

- 0 Standard
- 1 With anti-splash feature

**Clogging indicator**

- A Without indicator
- B With visual clogging indicator

**FILTER ELEMENT**

<table>
<thead>
<tr>
<th>Filter element series</th>
<th>Configuration example: A115</th>
<th>2</th>
<th>A</th>
<th>A03</th>
<th>P01</th>
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<tr>
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<td>A115 length 2 - G1”</td>
<td>2800</td>
<td>2800</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Filtration rating**

- A03 Inorganic microfiber 3 µm
- L10 Resin impregnated paper 10 µm

**Temperature**

From -25 °C to +100 °C

**Weight**

- SAP 115 length 1 0.410 kg
- SAP 115 length 2 0.525 kg

**Flow rate ∆p 0.02 bar**

- Flow rate [l/min]

**Materials**

- Cover/flange: Polyamide
- Filter element: Microfibre, Resin impregnated paper
- Connection: Polyamide
- Seals: NBR, FPM

**Clogging indicators**

- Manual reset
- Set pressure 0.062 bar ±10%
### SAP115 Dimensions

<table>
<thead>
<tr>
<th>Length</th>
<th>Connections</th>
<th>H [mm]</th>
<th>H1 [mm]</th>
<th>H2 [mm]</th>
<th>H3 [mm]</th>
<th>H4 [mm]</th>
<th>A/F [mm]</th>
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</thead>
<tbody>
<tr>
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<td>A</td>
<td>106</td>
<td>18</td>
<td>55</td>
<td>17</td>
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<tr>
<td></td>
<td>C</td>
<td>111</td>
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<tr>
<td>2</td>
<td>A</td>
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<td>41</td>
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<tr>
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<td>175</td>
<td>23</td>
<td>80</td>
<td>22</td>
<td>106</td>
<td>55</td>
</tr>
</tbody>
</table>

- **H2** - Recommended clearance space for maintenance
- **Visual clogging indicator**
- **Flat seal**