TAP 90 series

Filler plug and polyamide air filter up to 550 l/min
TAP 90  GENERAL INFORMATION

Air breathers & Filler plugs

Filler plug and polyamide air filters
Flow rates up to 550 l/min

TAP90 is a range of plastic air breathers and filler caps for protection of the tank against the solid contamination contained in the fluid and filling of the fluid into the systems during the commissioning and maintenance procedures. They are directly fitted on the tank.

Available features:
- Male threaded connections up to 1 1/2” and flanged connection with bayonet, for a maximum flow rate of 550 l/min
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Pressurization valve with different setting, to guarantee a positive pressure into the tank in any application with metal or plastic tanks
- Padlock tab, to secure the air breather to the tank
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank
- Dipstick, to monitor the fluid level into the tank even in complicated positions

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

Designation & Ordering code

Technical data

Flow rate Δp 0.02 bar

<table>
<thead>
<tr>
<th>Filtration rating</th>
<th>Flow rate [l/min]</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>450</td>
</tr>
<tr>
<td>1</td>
<td>550</td>
</tr>
</tbody>
</table>

Materials
- Cover/Ringnut: Polyamide
- Filter element: Resin impregnated paper, Polyurethane
- Pressurization valve:
  - Polyamide (bodies), Galvanized steel (end cap - disk), NBR (seals)
  - Flange B: Polyamide
  - Seals: NBR
  - Screws: Galvanized steel
  - Padlock tab: Galvanized steel
  - Chain, Ring: Brass
  - Dipstick: Phosphatized steel
  - Basket: Galvanized steel, Polyamide

Temperature
From -25 °C to +100 °C

Weight
- L 120 mm 0.25 kg
- L 250 mm 0.31 kg

Air breathers & Filler plugs (continued)

Filtration rating:
- 00 Without filter (blind filler plug)
- 03 Resin impregnated paper 3 µm
- 10 Polyurethane 10 µm

Valve
- 0 Without valve
- 1 0.3 bar pressurization valve
- 2 0.7 bar pressurization valve

Version
- 0 Standard
- L With padlock tab

Basket
- 0 Without basket
- 1 With basket 120 mm
- 3 With basket 250 mm
TAP 90

Dimensions

**TAP90**

**Screwed flange**

<table>
<thead>
<tr>
<th>Basket</th>
<th>H1 [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>120</td>
</tr>
<tr>
<td>3</td>
<td>250</td>
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</tbody>
</table>

**Basket H1**

<table>
<thead>
<tr>
<th>[mm]</th>
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<tbody>
<tr>
<td>1</td>
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<tr>
<td>3</td>
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<td>120</td>
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<tr>
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**DIN 24557-2**

**Basket H1**

<table>
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<tr>
<td>1</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>120</td>
</tr>
<tr>
<td>250</td>
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</tbody>
</table>
Dimensions

With padlock tab

O-Ring seal

With padlock tab

Housing on the tank for connections G - H - M - Q

Threaded connection

<table>
<thead>
<tr>
<th>Connections</th>
<th>D1 [mm]</th>
<th>D2 [mm]</th>
<th>J [mm]</th>
<th>K [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>G 3/4&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>H</td>
<td>G 1 1/2&quot;</td>
<td>48.5</td>
<td>8.5</td>
<td>2x15°</td>
</tr>
<tr>
<td>M</td>
<td>3/4&quot; NPT</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>G</td>
<td>M 52x2</td>
<td>52.5</td>
<td>8.5</td>
<td>2x15°</td>
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