In sample gas conditioning systems which cannot be pressurised, condensate accumulating in the sample gas coolers must be removed with peristaltic pumps or collected in condensate traps.

The GL 1 and GL 2 receptacles have a drain valve and only differ in size.

The GL 3 receptacle has a level switch for displaying the fill level or controlling a pump. The drain is a glass thread version into which a drain valve can optionally be installed.

All condensate traps are made from Duran glass and PTFE, making them corrosion-resistant.

May be used in explosive areas
Level switch optional
Alternative to peristaltic pumps
Technical Data

Technical Data Model GL 3

Grounding receptacle GL 3:
230 V, 1 A, 40 VA, changeover
In Ex areas only the following circuit values are permitted:
U_i = 30 V, I_i = 50 mA
T_{amb} in Ex areas: -5 °C...60 °C

Material: Duran glass, PTFE, PP
Medium temperature: max. 80 °C

Dimensions

Condensate traps

Model GL 1, GL 2

Model GL 3

Model GL 3 with drain valve option

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>GL 1</td>
<td>65 mm</td>
<td>Ø 60 mm</td>
<td>100 mm</td>
<td>63 mm</td>
<td>85 mm</td>
<td>128 mm</td>
<td>0.4 L</td>
</tr>
<tr>
<td>GL 2 / GL 3</td>
<td>145 mm</td>
<td>Ø 100 mm</td>
<td>152 mm</td>
<td>91 mm</td>
<td>165 mm</td>
<td>168 mm</td>
<td>1 L</td>
</tr>
</tbody>
</table>

Wall bracket

Material: PVC / PE
**Use in explosive areas (additional notices):**

The receptacles may be used in explosive atmosphere areas zone 1 and 2. Explosion groups IIA and IIB are approved. The receptacles have no innate ignition source and do not fall under Directive 2014/34/EU and therefore do not bear the CE mark.

**Be sure to observe the instructions in the respective operating instructions!**

**Ambient temperature range when used in Ex areas:**

**GL 1, GL 2 and GL 3:** 

$-5 \, ^\circ \text{C} < T_{\text{amb}} < 60 \, ^\circ \text{C}$

- Electrostatic charge: Always clean plastic housing parts and decals with a damp cloth.
- Protect the equipment from external blows.

**GL 3:**

- Only operate in intrinsically safe electric circuits (observe EN 60079-11 and EN 60079-14!).
- $U_i = 30 \, \text{V}, I_i = 50 \, \text{mA}$. Never exceed these limits!
- Must be connected by a trained professional.

**Ordering instructions**

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>44 100 05</td>
<td>Condensate trap GL 1, with wall bracket</td>
</tr>
<tr>
<td>44 100 19</td>
<td>Condensate trap GL 2, with wall bracket</td>
</tr>
<tr>
<td>44 100 29</td>
<td>Condensate trap GL 3, with wall bracket, without drain valve</td>
</tr>
<tr>
<td>44 100 292</td>
<td>Drain valve for GL 3</td>
</tr>
<tr>
<td>44 100 293</td>
<td>Level switch</td>
</tr>
</tbody>
</table>