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.

**Condensate Vessels GL 1-3**

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

#### Technical Data Model GL 3

**Grounding receptacle GL 3:**

- **Rated voltage:** 230 V, **current:** 1 A, **power:** 40 VA, **changeover**
- **In Ex areas only the following circuit values are permitted:**
  - $U_i = 30 \text{ V}, I_i = 50 \text{ mA}$
  - $T_{\text{amb}}$ in Ex areas: $-5 \degree \text{C}...60 \degree \text{C} (23 \degree \text{F}...140 \degree \text{F})$

**Material:** Duran glass, PTFE, PP

**Medium temperature:** max. 176 °F

### Dimensions

#### Condensate traps

<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>2.56 in</td>
<td>Ø 2.36 in</td>
<td>3.94 in</td>
<td>2.48 in</td>
<td>3.35 in</td>
<td>5.04 in</td>
<td>0.1 gal</td>
</tr>
<tr>
<td>GL 2 / GL 3</td>
<td>5.71 in</td>
<td>Ø 3.94 in</td>
<td>5.98 in</td>
<td>3.58 in</td>
<td>6.5 in</td>
<td>6.61 in</td>
<td>0.3 gal</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: \(-5 \, ^\circ C \leq T_{\text{amb}} < +60 \, ^\circ C\)
- 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!).
- \(U_i = 30 \, V, I_i = 50 \, mA\). 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>