In extractive gas analysis the sample gas must be conditioned before it enters the measuring cell of the analyser. One of these conditioning stages is moisture precipitating in so-called sample gas coolers. This condensate must be properly removed from inside the analysis cabinet. In applications where it is not corrosive or toxic, it can then be discharged into drains or channels on site. However, often times it must first be collected for intermediate storage and properly disposed of at a later time.

The CV-3 to CV-10 series feature vessels in suitable materials with or without fill level monitor for intermediate storage inside or on the system.

**Condensate Vessel CV-3, CV-6, CV-10**

- Vessel sizes 3 L / 6.5 L / 10 L
- Chemically resistant materials
- Level switch for monitoring maximum level available (optional)
- Low maintenance
- Easy handling
- Removable top cover
- Robust mounting bracket
Technical Data

Technical Data Condensate Vessels

Material: PVC, PVDF, PP, Viton
Medium temperature: max. 60 °C
Connections: G3/8 and G1/4 for condensate inlet and ventilation
G1/4 for outlet

Contact function
Float down
(empty vessel)
Contacts K8-MS
L1 normally closed

Level switch
Max. operating voltage: 230 V
Max. switching current: 0.5 A
Max. contact load: 10 VA

Medium temperature:
max. 60 °C

Dimensions

<table>
<thead>
<tr>
<th>Vessel type</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E1 (mm)</th>
<th>E2 (mm)</th>
<th>F (mm)</th>
<th>G (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>V = 3 L</td>
<td>269</td>
<td>195</td>
<td>Ø 180</td>
<td>150</td>
<td>100</td>
<td>100</td>
<td>3 x Ø9</td>
<td>220</td>
</tr>
<tr>
<td>V = 6.5 L</td>
<td>344</td>
<td>270</td>
<td>Ø 225</td>
<td>175</td>
<td>120</td>
<td>150</td>
<td>2 x Ø13</td>
<td>310</td>
</tr>
<tr>
<td>V = 10 L</td>
<td>454</td>
<td>380</td>
<td>Ø 225</td>
<td>175</td>
<td>120</td>
<td>150</td>
<td>2 x Ø13</td>
<td>310</td>
</tr>
</tbody>
</table>

DANGER Use in explosive areas

The equipment is not suitable for use in explosive areas.

DANGER Toxic, corrosive condensate

a) Protect yourself from toxic, corrosive condensate when performing any type of work.
b) Wear appropriate protective equipment.
c) Please note the national safety rules!

Ordering instructions

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>44 10 085</td>
<td>Condensate vessel CV-3, V = 3 L without level switch</td>
</tr>
<tr>
<td>44 10 088</td>
<td>Condensate vessel CV-3-NS, V = 3 L with level switch</td>
</tr>
<tr>
<td>44 10 096</td>
<td>Condensate vessel CV-6-NS, V = 6.5 L with level switch</td>
</tr>
<tr>
<td>44 10 097</td>
<td>Condensate vessel CV-6, V = 6.5 L without level switch</td>
</tr>
<tr>
<td>44 10 094</td>
<td>Condensate vessel CV-10-NS, V = 10 L with level switch</td>
</tr>
<tr>
<td>44 10 095</td>
<td>Condensate vessel CV-10, V = 10 L without level switch</td>
</tr>
<tr>
<td>44 10 0943</td>
<td>Level switch Nivotemp M-K8MS-PVDF-L120</td>
</tr>
</tbody>
</table>