The discharge of condensate collected from sample conditioning systems requires a means of removal.

Buhler has developed several condensate drains for use in pressurized sample conditioning systems.

These units have specially designed low friction drain valves which increase the operational reliability and life time.

- Easy to assemble
- Long life
- Variety of materials to meet with application specific conditions
- High reliability of operation
**Attention!**

**Electrostatic charge**
Clean plastic parts and labels with damp cloth only. 
Connect metallic parts to ground

**Attention!**

**Gas emission**
Life- and explosion risk may result from gas leakage due to improper use. 
Protect the equipment against being hit.

**Attention!**

**Gas emission during maintenance**
During maintenance or inspection release the process pressure or switch off the process. Use face protection and gloves. The gas in the process may be harmful or explosive!

---

**Application in explosive atmosphere (additional indications):**

**Range of use in explosive atmosphere:**
Condensate drains

<table>
<thead>
<tr>
<th>Type</th>
<th>11 LD</th>
<th>AK 20</th>
<th>AK 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone</td>
<td>I</td>
<td>I</td>
<td>I</td>
</tr>
<tr>
<td>Group</td>
<td>II C</td>
<td>II B</td>
<td>II B</td>
</tr>
</tbody>
</table>

There is no Ex-designation on the type plate of the equipment, because they are not within the scope of directive 94/9/EC. However the equipment corresponds to the essential requirements of the directive 94/9/EC. Therefore they can be used in explosive atmosphere (Zone 1).

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**Please indicate with order**

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Model</th>
<th>Attention</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 10 006</td>
<td>AK 5.1 horizontal inlet</td>
<td>Be careful: Condensate may be harmful</td>
</tr>
<tr>
<td>45 10 008</td>
<td>AK 5.2 vertical inlet</td>
<td></td>
</tr>
<tr>
<td>45 10 028</td>
<td>AK 5.5</td>
<td></td>
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<tr>
<td>44 10 004</td>
<td>AK 20</td>
<td></td>
</tr>
<tr>
<td>44 10 001</td>
<td>11 LD V 38</td>
<td></td>
</tr>
</tbody>
</table>

We reserve the right to amend specification.