**Special Features**

- Save condensate removal and separation
- Completely made of stainless steel
- For high pressure and temperature applications
- High drain capacity

**Application**

The M&C liquid drain AD-SS is used in gas conditioning systems where condensate must be drained after cooling the gas.

For condensate pre-separation of saturated gas with simultaneous drainage, ADS-SS separators and automatic liquid drains are provided with a lateral gas connection for additional separator functions. For functioning of the above mentioned drains overpressure is required.

**Description**

The AD-SS and ADS-SS automatic liquid drains function via gravity. The casing, float, valve and valve seat are made of stainless steel. The outlet valve is controlled by a lever mechanism. The float closes the condensate outlet via the lever mechanism with the valve tip. Due to the rising condensate level the outlet is released by the buoyancy of the float.

The ADS-SS separator with automatic condensate drain is a modification with an additional lateral gas connection.

**Note for operation!**

The M&C automatic liquid drain AD-SS and the separator ADS-SS have to be filled with water before operation, because otherwise the draining valve will remain open due to its design!
**Separator ADS-SS**
Automatic liquid drain AD-SS

**Mounting clip AD-SS for wall mounting**

Drain capacity depending on working pressure

Max. working pressure depending on specific gravity

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**Technical Data**

<table>
<thead>
<tr>
<th>Part number</th>
<th>Material</th>
<th>Operating temperature</th>
<th>Storage temperature</th>
<th>Operating pressure</th>
<th>Function</th>
<th>Capacity</th>
<th>Mounting position</th>
<th>Condensate in</th>
<th>Condensate out</th>
<th>Sample gas in</th>
<th>Sample gas out</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>09K3000</td>
<td>stainless steel 304, 316</td>
<td>0 to +200 °C</td>
<td>-50 to +200 °C</td>
<td>1-19 bar abs.</td>
<td>specific gravity min. 0.5 kg/dm³, at 1 bar abs.</td>
<td>160 l/hr H₂O, at 1 bar abs. and 20 °C</td>
<td>vertical</td>
<td>1/2&quot; NPT i</td>
<td>1/2&quot; NPT i</td>
<td>G1/4&quot; i</td>
<td>1/2&quot; NPT i</td>
<td>0.8 kg</td>
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<tr>
<td>09K8000</td>
<td>PE</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td>0.05 kg</td>
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<tr>
<td>90K3010</td>
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</tbody>
</table>

Dimensions in mm

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*only at version ADS-SS*