Condensate discharge by peristaltic pumps

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

Peristaltic pumps are the appropriate equipment for systems operating under negative pressure.

To make integration as simple as possible, add-on frames are provided which mount directly to the EGK 1/2 or EGK 4 coolers. Up to 2 pumps can be integrated inside the EGK 1/2 and up to 4 inside the EGK 4 frame.

For other applications standalone pumps with protective housing are available.

The PKE 5 and 52 Peltier coolers are also available with the pump directly attached.

Peristaltic pumps in this datasheet should only be used for upgrades. For the new, improved pumps, see datasheet DE 450020.
**Technical Data: Peristaltic Pump**

<table>
<thead>
<tr>
<th>Power supply</th>
<th>230 V AC, 50/60 Hz</th>
<th>115 V AC, 50/60 Hz</th>
<th>Vacumm</th>
<th>&gt; 0.6 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>60 mA</td>
<td>110 mA</td>
<td>Pressure</td>
<td>&gt; 0.5 bar</td>
</tr>
<tr>
<td>Connection</td>
<td>6.3 mm flat plug and screw clamp (Integrated pumps)</td>
<td></td>
<td>Hose</td>
<td>3.2x1.6 mm Norprene</td>
</tr>
<tr>
<td></td>
<td>cable 2 m (pump with housing)</td>
<td></td>
<td>Higher flow rate is available upon request.</td>
<td></td>
</tr>
<tr>
<td>Flow rate</td>
<td>0.3 l/h (50 Hz) / 0.36 l/h (60 Hz)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For EGK 4 and EGK 1/2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For EGK 10</td>
<td>1.0 l/h (50 Hz) / 1.2 l/h (60 Hz)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Please indicate with order**

**Part no.** | **Model**
---|------------------
9124030027 | Standard replacement tubing with angular connections
9124030034 | Standard replacement tubing with straight connections

Alternative Fluran replacement tubing:
(in particular suitable for oils, fuels and bases)
- 9124030092 | Replacement tubing with angular connections
- 9124030093 | Replacement tubing with straight connections

**Pump for separate mounting**

- 9124030121 | Peristaltic pump with shield for stand alone installation 230 V AC, 50/60 Hz, Protection class IP 51
- 9124030122 | Peristaltic pump with shield for stand alone installation 115 V AC, 50/60 Hz, Protection class IP 51

**EGK 4**

- 45 10 120 | Auxiliary frame for EGK 4 assembled with peristaltic pump 230 V AC, 50/60 Hz
- 45 10 220 | Auxiliary frame for EGK 4 assembled with peristaltic pump 115 V AC, 50/60 Hz
- 45 10 121 | Additional peristaltic pump 230 V AC, 50/60 Hz
- 45 10 221 | Additional peristaltic pump 115 V AC, 50/60 Hz

**EGK 1/2**

- 45 10 130 | Auxiliary frame for EGK 1/2 assembled with peristaltic pump 230 V AC, 50/60 Hz
- 45 10 131 | Auxiliary frame for EGK 1/2 assembled with peristaltic pump 115 V AC, 50/60 Hz
- 45 10 230 | 2 peristaltic pumps 230 V AC, 50/60 Hz
- 45 10 231 | 2 peristaltic pumps 115 V AC, 50/60 Hz

**EGK 10**

(only available with wall mounting)

- 9124030106 | Peristaltic pump with shield for stand alone installation 230 V AC, 50/60 Hz, Protection class IP 51, delivery rate 1 l/h
- 9124030107 | Peristaltic pump with shield for stand alone installation 115 V AC, 50/60 Hz, Protection class IP 51, delivery rate 1 l/h
- 9124030081 | Standard replacement tubing with angular connections

Alternative Fluran replacement tubing upon request!

we reserve the right to amend specification