Hoses for SF$_6$ gas
Model GCH-08, nominal width DN 8
Model GCH-20, nominal width DN 20

Applications
Filling and evacuation of SF$_6$ gas tanks

Special features
- Robust materials
- Vacuum- and pressure-tight
- Tested helium leak-tight

Examples

Description

Safe operation
These hoses ensure the safe handling of the environmentally damaging greenhouse gas SF$_6$.

Each hose is fitted with self-sealing valves and couplings and is 100% leak tested. It is thus ensured that no SF$_6$ gas can escape into the atmosphere.

Robust
The stainless steel hoses are resistant against the common decomposition products and are, through an additional stainless steel braiding, protected against external damage. A protection cap protects the connections during transport and storage.

Adaptable
For the connection to other nominal widths or connections, the appropriate connecting parts are available.

Connecting parts:
- Model GCx-08, nominal width DN 8
- Model GCx-20, nominal width DN 20
Specifications

Versions
- Stainless steel hose in accordance with DIN EN ISO 10380, nominal width DN 8, flat corrugated, single-walled, with stainless steel braiding
- Stainless steel hose in accordance with DIN EN ISO 10380, nominal width DN 20, flat corrugated, single-walled, with stainless steel braiding
- Synthetic rubber hose in accordance with SAE100 R17, nominal width DN 8

Permissible working temperature
-40 ... +80 °C
With mounted coupling/valve

Max. static operating pressure at 20 °C

<table>
<thead>
<tr>
<th>Nominal width</th>
<th>Stainless steel</th>
<th>Rubber</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 8</td>
<td>65 bar ¹</td>
<td>65 bar ¹</td>
</tr>
<tr>
<td>DN 20</td>
<td>55 bar</td>
<td>-</td>
</tr>
</tbody>
</table>

¹) Limited through valve/coupling.

Diameter (internal/external)

<table>
<thead>
<tr>
<th>Nominal width</th>
<th>Stainless steel</th>
<th>Rubber</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 8</td>
<td>8.2 mm / 13.7 mm</td>
<td>8 mm / 14.1 mm</td>
</tr>
<tr>
<td>DN 20</td>
<td>20.2 mm / 28.4 mm</td>
<td>-</td>
</tr>
</tbody>
</table>

Minimum bending radius (dynamic/static)

<table>
<thead>
<tr>
<th>Nominal width</th>
<th>Stainless steel</th>
<th>Rubber</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 8</td>
<td>125 mm / 33 mm</td>
<td>55 mm / 55 mm</td>
</tr>
<tr>
<td>DN 20</td>
<td>170 mm / 70 mm</td>
<td>-</td>
</tr>
</tbody>
</table>

Weight without connections

<table>
<thead>
<tr>
<th>Nominal width</th>
<th>Stainless steel</th>
<th>Rubber</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 8</td>
<td>approx. 0.2 kg/m</td>
<td>approx. 0.2 kg/m</td>
</tr>
<tr>
<td>DN 20</td>
<td>approx. 0.5 kg/m</td>
<td>-</td>
</tr>
</tbody>
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Hose length
3, 6, 12, 15 m
Other hose lengths on request.

Connections (nominal width DN 8)
- Coupling valve, DN 8, female, aluminium (model GCC-08)
- Coupling valve, DN 8, female, stainless steel (model GCC-08)
- Valve, DN 8, male, brass (model GCV-08)
- Valve, DN 8, male, stainless steel (model GCV-08)
For details see data sheet SP 61.13

Connections (nominal width 20 mm)
- Coupling valve, DN 20, female, brass (model GCC-20)
- Coupling valve, DN 8, female, stainless steel (model GCC-20)
- Valve, DN 8, male, brass (model GCV-20)
For details see data sheet SP 61.14

Dimensions in mm

Diagram of hose dimensions for DN 8 and DN 20.
Ordering information
Model / Version / Hose length / Connections