Connection parts with nominal width DN 6
Valves, coupling valves, protection caps, fittings, adapters and connections for analytic instruments

Applications

- Handling at SF₆ gas tanks
- For indoor and outdoor equipment

Special features

- The valves can be disconnected or coupled under pressure or vacuum
- Vacuum and pressure-tight (-1 ... +64 bar)
- Working temperature -40 ... +80 °C
- Leak rate: GCV, GCA,
  measuring chambers: \( \leq 1 \cdot 10^{-8} \text{ mbar} \cdot \text{l/s} \)
  GCG: \( \leq 1 \cdot 10^{-5} \text{ mbar} \cdot \text{l/s} \)
- Tested helium tightness of 100 %

Description

Safe and simple operation
WIKA's connection parts enables the secure storage and handling of environmentally hazardous SF₆ greenhouse gas in the equipment provided for this. The connecting parts have been precisely and specifically optimised for this application.

The ease of mounting and removal, as well as being 100 % tested for leak tightness, make these connecting parts safe and reliable interfaces for the filling and maintenance of the equipment.

Highest quality
In order to meet the high demands for quality, the robust design has passed extensive testing with actuation tests, tests in atmospheric conditions and shock tests. The connecting parts are manufactured from high-quality aluminium, brass and stainless steel. On request, the connecting parts can be supplied with a material certificate.

Comprehensive product range
The product range for connection parts with nominal width DN 6 consists of self-closing valves, matching couplings and soldered and weld-in connections. For the connection of DN 6 to other nominal widths and connections, the appropriate adapters and components are available. A protection cap offers mechanical protection and additional sealing.

By using WIKA connection parts, the maintenance-free and reliable separation of SF₆ gas compartments from the environment is made possible. In this way, not only is the escape of SF₆ gas prevented, but also the ingress of moisture.
**Valve, model GCV-06**

Attachment parts, left  
(M24 x 1.5)

**Coupling valve, model GCC-06**  
see page 3

**Fitting, model GCF-06**  
see page 6

**Adapter, model GCA-06**  
see page 5

**Connection for analytic instruments, model GCG-06**  
see page 4

**Protection cap, model GCP-06**  
see page 6

**Dimensions in mm**

<table>
<thead>
<tr>
<th>Thread A1</th>
<th>Material</th>
<th>Order no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>M20 x 1.5</td>
<td>Aluminium</td>
<td>13422502</td>
</tr>
<tr>
<td>G ½ B</td>
<td>Aluminium</td>
<td>13376498</td>
</tr>
<tr>
<td>G ½ B</td>
<td>Stainless steel</td>
<td>13360281</td>
</tr>
</tbody>
</table>

The O-ring is included.  
Spare part: O-ring D23  
Order no.: 14023883
Coupling valve, model GCC-06

Attachment parts, left
(M24 x 1.5)

Fitting, model GCF-06
see page 6

Adapter, model GCA-06
see page 4

Attachment parts, right
(M24 x 1.5)

Valve, model GCV-06
see page 2

Dimensions in mm

<table>
<thead>
<tr>
<th>Material</th>
<th>Order no.</th>
</tr>
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<tbody>
<tr>
<td>Aluminium</td>
<td>13376528</td>
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The O-ring is included.
Spare part: O-ring D14
Order no.: 14007857
Connection for analytic instruments, model GCG-06

Attachment parts, left

Attachment parts, right
(M24 x 1.5)

Quick couplings

Valve, model GCV-06
see page 2

Dimensions in mm

<table>
<thead>
<tr>
<th>Material</th>
<th>Order no.</th>
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<tr>
<td>Aluminium, brass, stainless steel</td>
<td>14091750</td>
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The O-ring is included.
Spare part: O-ring D14
Order no.: 14007857
Adapter, model GCA-06

Nominal width adapter
DN 6 to DN 8

Measuring instrument adapter
DN 6 to G ¼

Dimensions in mm

<table>
<thead>
<tr>
<th>Material</th>
<th>Order no.</th>
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<tbody>
<tr>
<td>Brass, stainless steel</td>
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The O-ring is included.
Spare part: O-ring D14
Order no.: 14007857

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<tr>
<th>Material</th>
<th>Order no.</th>
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<tr>
<td>Aluminium</td>
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</table>

The O-ring is included.
Spare part: O-ring D14
Order no.: 14007857
Fitting, model GCF-06

Protection cap, model GCP-06

Dimensions in mm

<table>
<thead>
<tr>
<th>Material</th>
<th>Order no.</th>
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</thead>
<tbody>
<tr>
<td>Stainless steel</td>
<td>13428781</td>
</tr>
<tr>
<td>Aluminium</td>
<td>13376528</td>
</tr>
</tbody>
</table>

The O-ring is included.
Spare part: O-ring D14
Order no.: 14007857

Ordering information
Specification of the model is sufficient for ordering.

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