

Connection parts with nominal width DN 6

Valves, coupling valves, protection caps, fittings, adapters and connections for analytic instruments

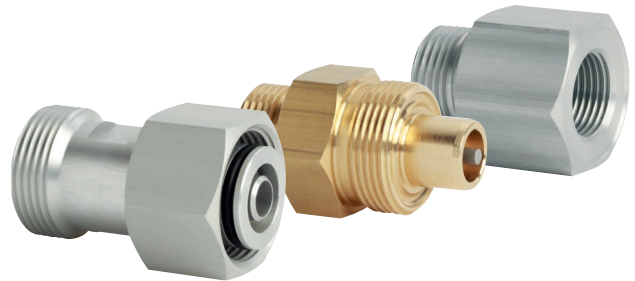
WIKA data sheet SP 61.12

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 [-14,5 ... 928,2 psi])
- Working temperature -40 ... +80 °C [-40 ... 176 °F]
- Leak rate: GCV, GCA,
measuring chambers: $\leq 1 \cdot 10^{-8}$ mbar · l / s
GCG: $\leq 1 \cdot 10^{-5}$ mbar · l / s
- Tested helium tightness of 100 %



Connection parts with nominal width DN 6

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.

**Attachment parts, left
(M24 x 1.5)**



A technical drawing showing a cross-section of a shaft-hub assembly. A yellow shaft is inserted into a grey hub. A grey pin is used to secure the assembly. The pin is shown in two views: a side view and an end view. The side view shows the pin passing through the shaft and the hub. The end view shows the pin's head and its position relative to the shaft and hub.

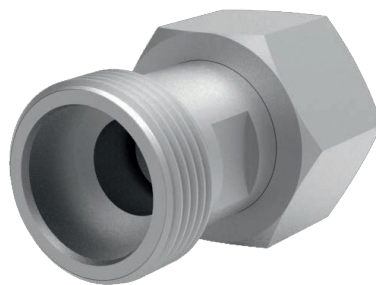
A cross-sectional diagram of a mechanical assembly. A horizontal shaft passes through a block. On the left side of the block, a pin is inserted through the shaft. On the right side, a nut is threaded onto the shaft. The pin and nut are shown in a cross-section, with the pin having a circular head and the nut having a hexagonal shape. The shaft and block are shown in a cross-section with hatching to indicate different materials or sections.

Technical drawing of a mechanical assembly showing a cross-section of a shaft with a spring and a nut. Dimensions include 15, 14, 18, 45, and A1. Labels include M24x1.5, SW 32, and AF 32.

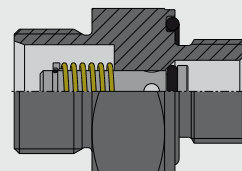
Thread A1	Material	Order no.
M20 x 1,5	Aluminium	13422502
G ½ B	Aluminium	13376498
G ½ B	Stainless steel	13360281

The O-ring is included.
Spare part: O-ring D23
Order no.: 14023883

**Attachment parts, left
(M24 x 1.5)**



Valve, model GCV-06
see page 2



A technical drawing showing a cross-section of a shaft-hub assembly. A yellow shaft is inserted into a grey hub. A grey pin is used to secure the assembly, passing through the shaft and the hub. The pin is shown in a cross-section view, with a small circle indicating its location on the shaft's surface.

Technical drawing of the front view of a mechanical part. The drawing shows a complex assembly with various features and dimensions. Key dimensions include a total width of 45, a central width of 10, and a right-side width of 18. The part has a central cylindrical section with a diameter of $\varnothing 18$ and a total height of $M24 \times 1.5$. A small circular feature is visible on the right side. A leader line points to a specific feature with the text "SW 27" and "AF 27".

Material	Order no.
Aluminium	13376528

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

Connection for analytic instruments, model GCG-06

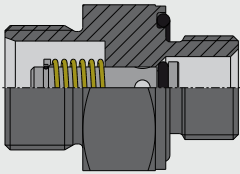
Attachment parts, left



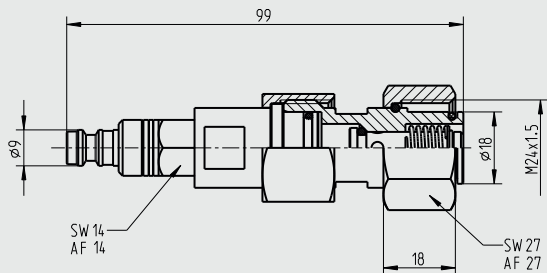
Attachment parts, right
(M24 x 1.5)



Valve, model GCV-06
see page 2



Dimensions in mm

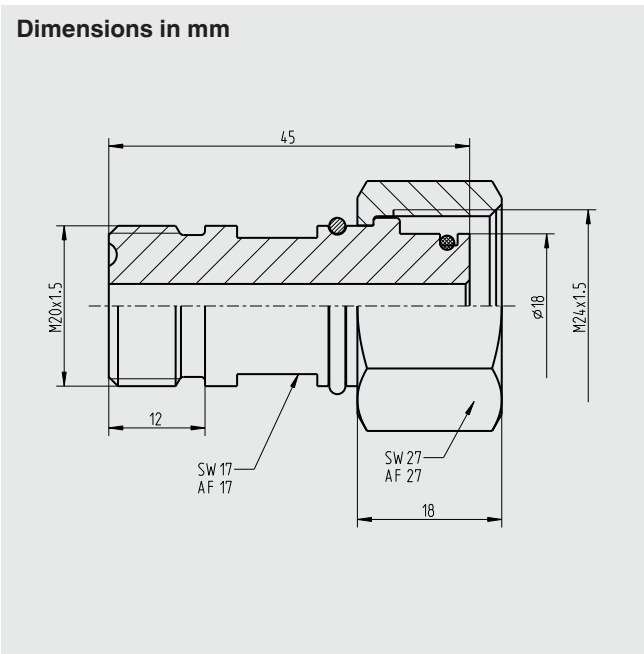
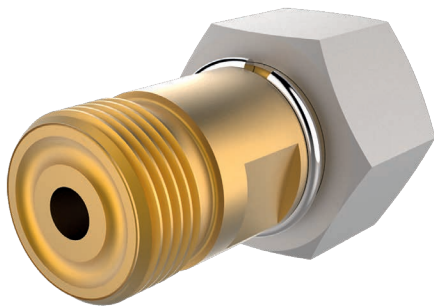


Material	Order no.
Aluminium, brass, stainless steel	14091750

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

Adapter, model GCA-06

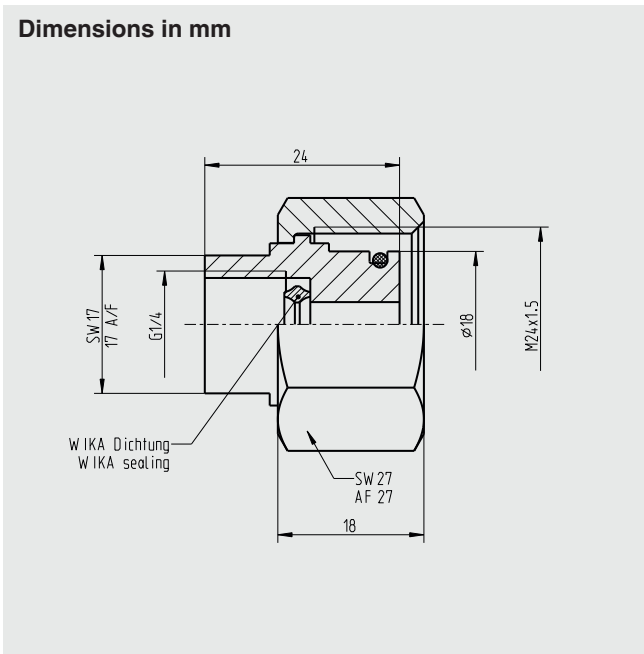
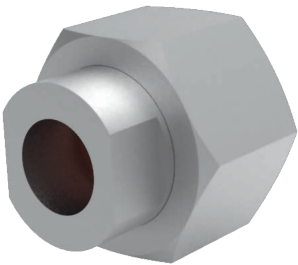
Nominal width adapter
DN 6 to DN 8



Material	Order no.
Brass, stainless steel	14091765

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

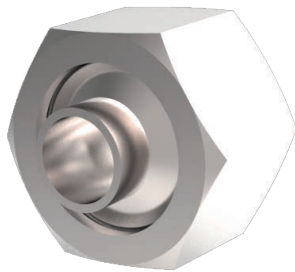
Measuring instrument adapter
DN 6 to G 1/4



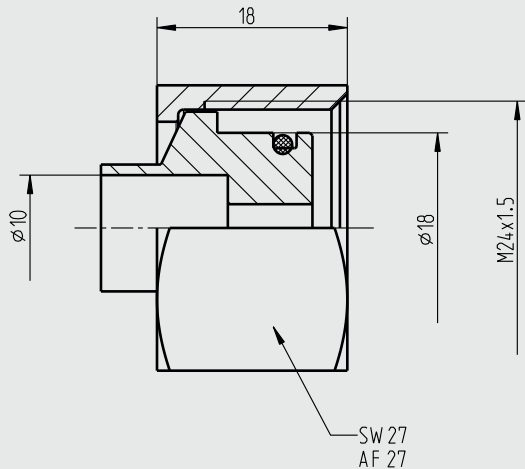
Material	Order no.
Aluminium	13370643

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

Fitting, model GCF-06



Dimensions in mm



Material	Order no.
Stainless steel	13428781

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

Ordering information

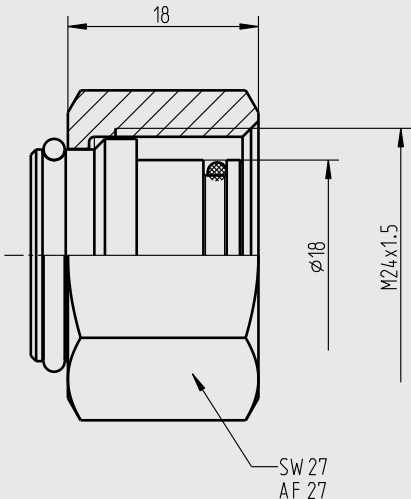
Specification of the model is sufficient for ordering.

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We reserve the right to make modifications to the specifications and materials.

Protection cap, model GCP-06



Dimensions in mm



Material	Order no.
Aluminium	13378709

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



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