

SF6

# Accessories and Connecting Parts





## **Solutions and Services for Pressure, Temperature, Level, Flow, and Force Measurement**

At WIKA, we go to great lengths to ensure the quality of our measurement technology. From standard products to engineered solutions, quality control starts with our production systems, which are based on Kaizen, Lean Manufacturing and Six Sigma principles.

This focus on quality is consistent throughout the WIKA group of companies around the globe, which offer an extensive portfolio of pressure, temperature, level, flow, and force measurement solutions and services.

Wherever you are in the world, you can rely on WIKA quality.

# Innovation is our passion quality is our principle

Our daily motivation is to constantly improve the protection of people, machinery and not least the environment. To accomplish this, we use our passion for technological progress. We are a versatile team of creative people with extensive expertise and innovative capacity. WEgrid Solutions is the only supplier on the market that offers a complete product portfolio and customized complete solutions for plants filled with SF6. As all WIKA employees, we attach great importance to the fundamental principles of our family-run company and are guided by them in our everyday working life. That is why the highest quality is a matter of course for us at all times.

## Connecting parts

A suitable connection technology is essential for conducting the SF6 gas from one gas compartment to another without losses and in an efficient manner. WIKA's connecting parts enable the secure storage and handling of environmentally hazardous SF6 greenhouse gas in the equipment provided for this. The connections have been precisely and specifically optimised for this application. By using WIKA's connecting 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.



## Valves (GCV) and couplings (GCC)

Self-sealing valves and couplings reliably prevent accidental emissions. The two-stage sealing principle with O-ring and metal contour seal enable safe connection and disconnection under pressure. The connecting parts are manufactured in nominal widths from DN 6 to DN 20. They are manufactured from high-quality aluminium, brass and stainless steel. A material certificate can be provided on request.



Valves and couplings

## Adapters (GCA), fittings (GCP) and protection caps (GCP)

In addition to valves and couplings, the standard delivery program also includes adapters, fittings and protection caps. WIKA also manufactures customer-specific designs or assemblies according to individual requirements. To ensure a long-term reliable quality, all connecting parts have a robust design, are produced with high-quality materials and are thoroughly checked against leaks.



Adapters and protection caps

## Adapter and filling sets

There are adapter sets which enable connection to switches of different manufacturers. The adapters are made of brass and stainless steel to ensure a long service life in the field. Furthermore, there are portable filling sets which allow filling and topping up the SF<sub>6</sub> gas plants directly from a gas cylinder. Our entire equipment is supplied in robust transport cases and is thus a perfect companion for service personnel.



Service sets for SF<sub>6</sub> handling

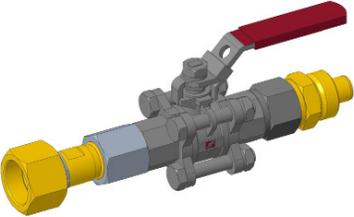
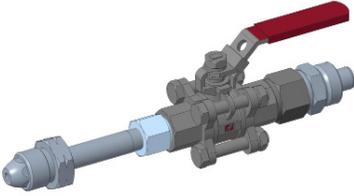
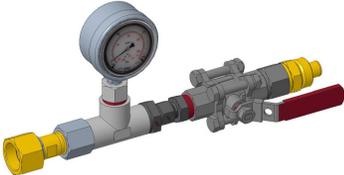
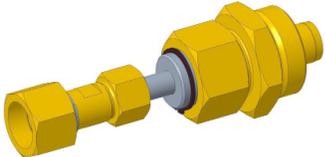
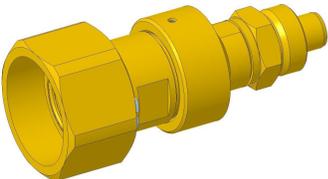
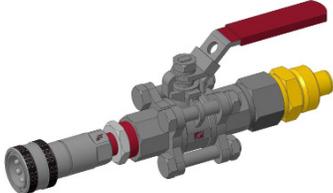
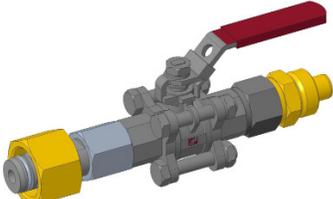
## Hoses (GCH)

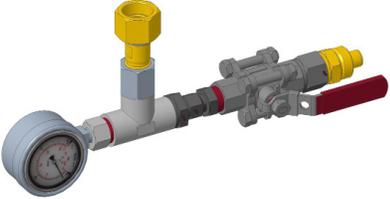
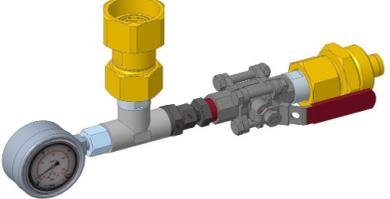
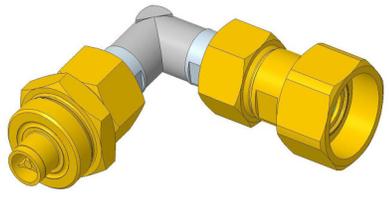
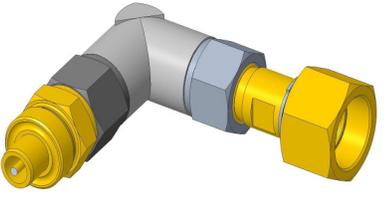
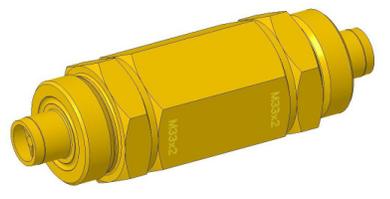
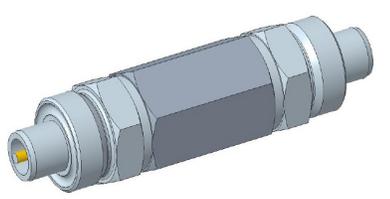
These hoses ensure safe handling of the greenhouse gas SF<sub>6</sub> which is harmful to the environment. Each hose is fitted with self-sealing couplings and is 100% leak tested. It is thus ensured that no SF<sub>6</sub> gas can escape into the atmosphere. A distinction is made between rubber hoses and stainless steel hoses. The rubber hoses are lighter and handier than the stainless steel hoses which are more stable and more robust due to the additional steel mesh.

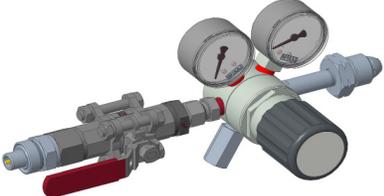
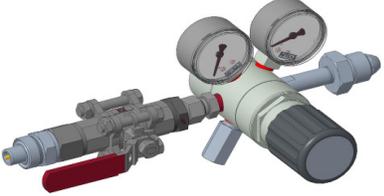
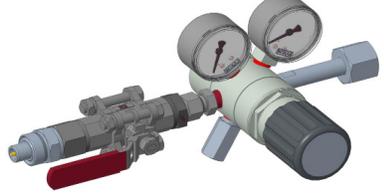
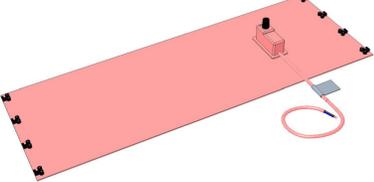
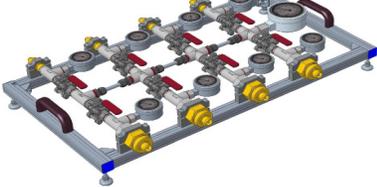
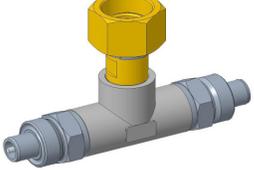
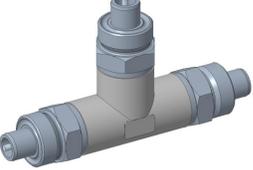


Product image gas handling hoses

## Selection of Fittings for SF6

Name	Description	Order number
	DN8 male / DN8 female with ball valve	14284903
	DN8 male / CGA 590 with ball valve	14284943
	DN8 male / DN8 female / Gauge 90°(-100-1500kPA) with ball valve	14285186
	DN20 male / DN8 female	14284870
	DN8 male / DN20 female	14096583
	Stainless Steel hose, DN8 female brass fittings, length 3m Stainless Steel hose, DN8 female brass fittings, length 5m Stainless Steel hose, DN20 female brass fittings, length 5m	14294449 14330878 14290070
	DN8 male / Hansen HK 2 with ball valve	14284556
	DN8 male / ABB Malmquist with ball valve	14284985

	Description	Order Number
	DN8 male / DN8 female 90° / Gauge (-100-1500 kPa) with ball valve	14285225
	DN20 male / DN20 female 90° / Gauge (-100-1500 kPa) with ball valve	14285093
	DN20 male / DN20 female 90°	14283280
	DN8 male / DN8 female 90°	14285324
	DN8 male / DN8 male	14283890
	DN20 male / DN20 male	14097498
	DN8 female / Gauge (-100-1500 kPa)	14285339
	DN8 female / Gauge (-100-100 kPa)	14285356

	Description	Order Number
	DN8 female / GDI-100-D	14285160
	DN8 male / SF6 regulator / CGA 590 with ball valve	14286467
	DN8 / N2 regulator / CGA 580 with ball valve	14286475
	DN8 male / CF4 regulator / CGA 320 with ball valve	14286461
	Cylinder Heater	14278495
	WIKA Manifold	14287478
	T-pieces DN8 male/female/male	14313565
	T-pieces DN8 male/male/male	14313552



## Products for power transmission and distribution industry

Instrumentation

Leak Detection

Gas Handling

Analyzer



Around the globe, WIKKA employees are available to you for SF6 gas applications. Our engineers and service technicians offer you the best solutions for your application from a diverse portfolio. With well over a million WIKKA measuring instruments in the field, the SF6 density monitoring of plants within the electricity transmission and distribution is assured.

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