

Compact SF₆ service equipment

For filling, cleaning and recovering SF₆ gas

Model GPU-10

WIKA data sheet SP 60.25

Applications

Filling, cleaning, recovering and venting of SF₆ gas-filled switchgear, linear accelerators and other SF₆ gas-filled equipment

Special features

- Oil-less compressor and vacuum compressor
- Filtering out of particles, moisture and decomposition products
- Modular system
- Compact operating unit



SF₆ service equipment, model GPU-10

Description

Mobile operation

The model GPU-10 SF₆ service equipment has been developed specifically for the mobile operation of SF₆ gas filled plants. Through the handy dimensions and the rubberised tyres, the SF₆ service equipment can be moved easily to different locations.

Modular system

The individual components, such as the SF₆ transfer unit, model GTU-10, can easily be removed from the equipment and also be operated individually. This modular design ensures easy and flexible transport, even over stairs.

Safe and simple operation

A clearly arranged control panel enables intuitive and fast operation for the user, as well as the monitoring of the process through the use of mechanical displays.

Specifications

Voltage supply

Voltage supply	
Option 1	AC 230 V, 50 Hz/60 Hz ± 10 %
Option 2	AC 115 V, 60 Hz ± 10 %

Oil-less compressor (SF₆ gas)

Oil-less compressor (SF ₆ gas)	
Gas flow rate	1.1 m ³ /h (with medium suction pressure, 50 Hz) 1.3 m ³ /h (with medium suction pressure, 60 Hz)
Output pressure	50 bar abs.

Oil-less vacuum compressor (SF₆ gas)

Oil-less vacuum compressor (SF ₆ gas)		
	Gas flow rate	Final vacuum
Standard	3.6 m ³ /h	< 5 mbar abs.
Option	4.8 m ³ /h	< 5 mbar abs.

Vacuum pump (air)

Gas flow rate: 17 m³/h

Final vacuum: < 1 mbar abs.

Filter element

Molecular sieve, aluminium oxide, particle filter 1 µm

Max. water absorption: 75 g

Weighing system

Measuring range: 0 ... 150 kg

Accuracy: ± 0.02 % of end value

Connections

self-sealing valve DN 8, brass (GCV-08)

Permissible input and output pressure

≤ 10 bar abs.

≤ 50 bar abs. at high-pressure connection

Permissible ambient temperature

Operation: 5 ... 50 °C

Storage: -20 ... + 60 °C

Permissible air humidity

< 85 % r. h.

Ingress protection

IP20

Weight

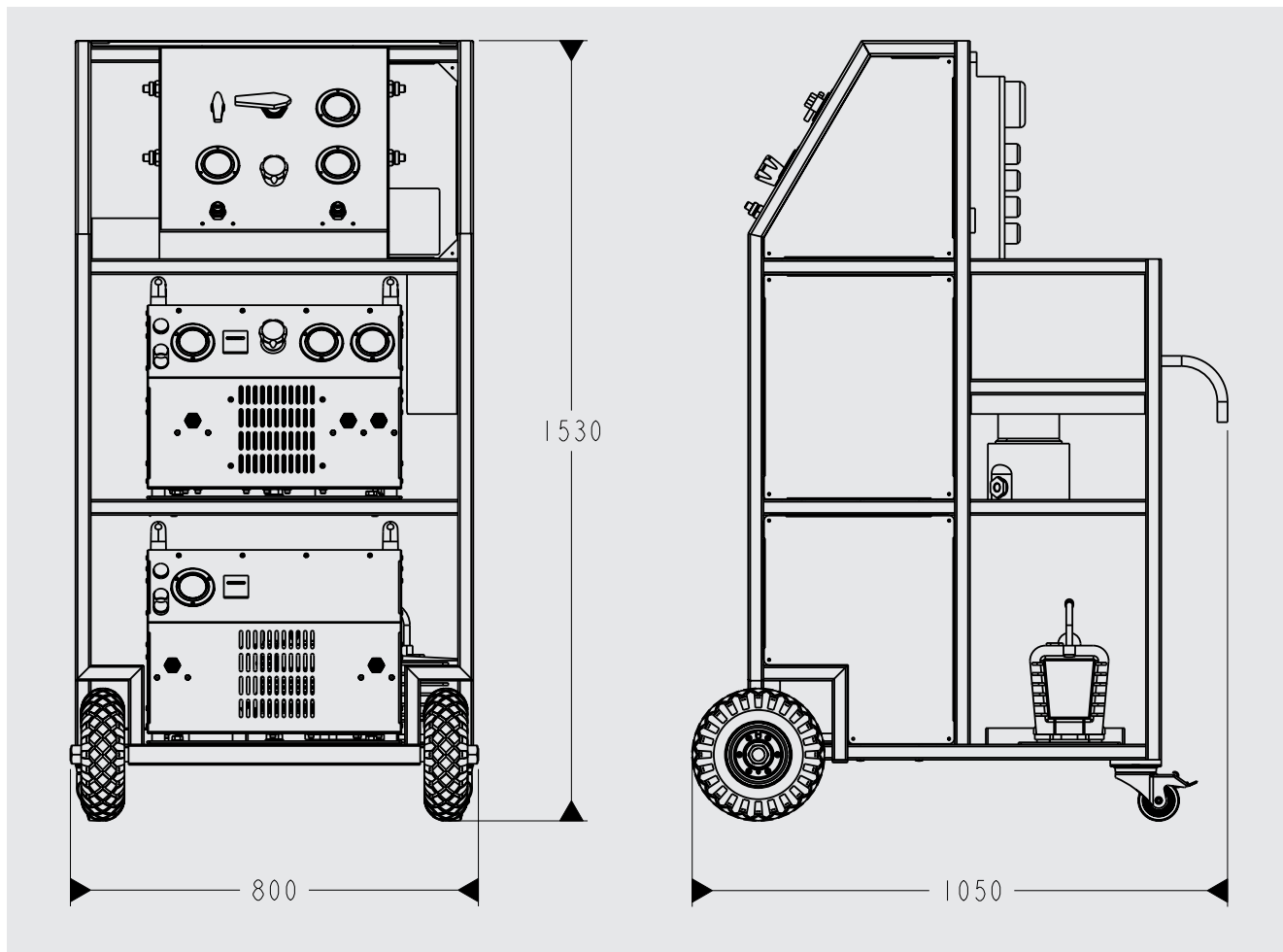
approx. 200 kg

Wheels

Front wheels: pneumatic, Ø 260 mm

Rear wheels: solid rubber, movable, Ø 80 mm

Dimensions in mm



Accessories

Hoses		Order number	
Nominal width	Length	Stainless steel	Rubber
DN 8	3 m	14225424	14064928
	6 m	14225507	14064929
	12 m	14225513	14064931
	15 m	14225522	14064933

Adapter	Order number
DN 8 (male thread) to DN 20 (female thread), brass	14096583
DN 8 (female thread) to DN 20 (male thread), brass	14148698

Spare parts and service kits	Order number
Oil for vacuum pump, 1 litre	14199926
Filter cartridge for GPF-10	14118800
Filter cartridge for particle filter	14140385
Service kit for compressor (SF ₆ gas)	on request (serial number of the equipment is required)
Service kit for vacuum compressor (SF ₆ gas)	on request (serial number of the equipment is required)
Service kit for vacuum pump (air)	on request (serial number of the equipment is required)

Ordering information

Model / Oil-less vacuum compressor (SF₆ gas) / Vacuum pump (air) / Storage cylinder / Accessories

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