

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, can be easily removed from the case and 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

Basic informationen	
Operating voltage	<ul style="list-style-type: none"> ■ AC 230 V, 50 Hz/60 Hz $\pm 10\%$ ■ AC 115 V, 60 Hz $\pm 10\%$
Permissible input pressure	≤ 10 bar abs. [145,03 psi abs.]
Permissible output pressure	≤ 50 bar abs. [725,18 psi abs.] at high-pressure connection
Connection type	Self-sealing valve DN 8, brass (GCV-08)
Operating temperature	5 ... 40 °C [41 ... 104 °F]
Storage temperature range	-20 ... + 60 °C [-4 ... +140 °F]
Relative humidity, condensation	< 85 % relative humidity, non-condensing
Ingress protection	IP20
Weight	Approx. 200 kg [440,92 lb]

Oil-less compressor (SF ₆ -Gas)	
Gas flow rate	<ul style="list-style-type: none"> ■ 1,6 m³/h bei 50 Hz ■ 1,8 m³/h bei 60 Hz
Permissible input and output pressure	40 bar abs. ± 2 bar abs. [580,15 psi abs. $\pm 29,00$ psi abs.]

Oil-less vacuum compressor (SF ₆ -Gas)	
Gas flow rate	<ul style="list-style-type: none"> ■ 3,6 m³/h bei 50 Hz ■ 4,3 m³/h bei 60 Hz
Final vacuum	< 5 mbar abs. [0,07 mpsi abs.]

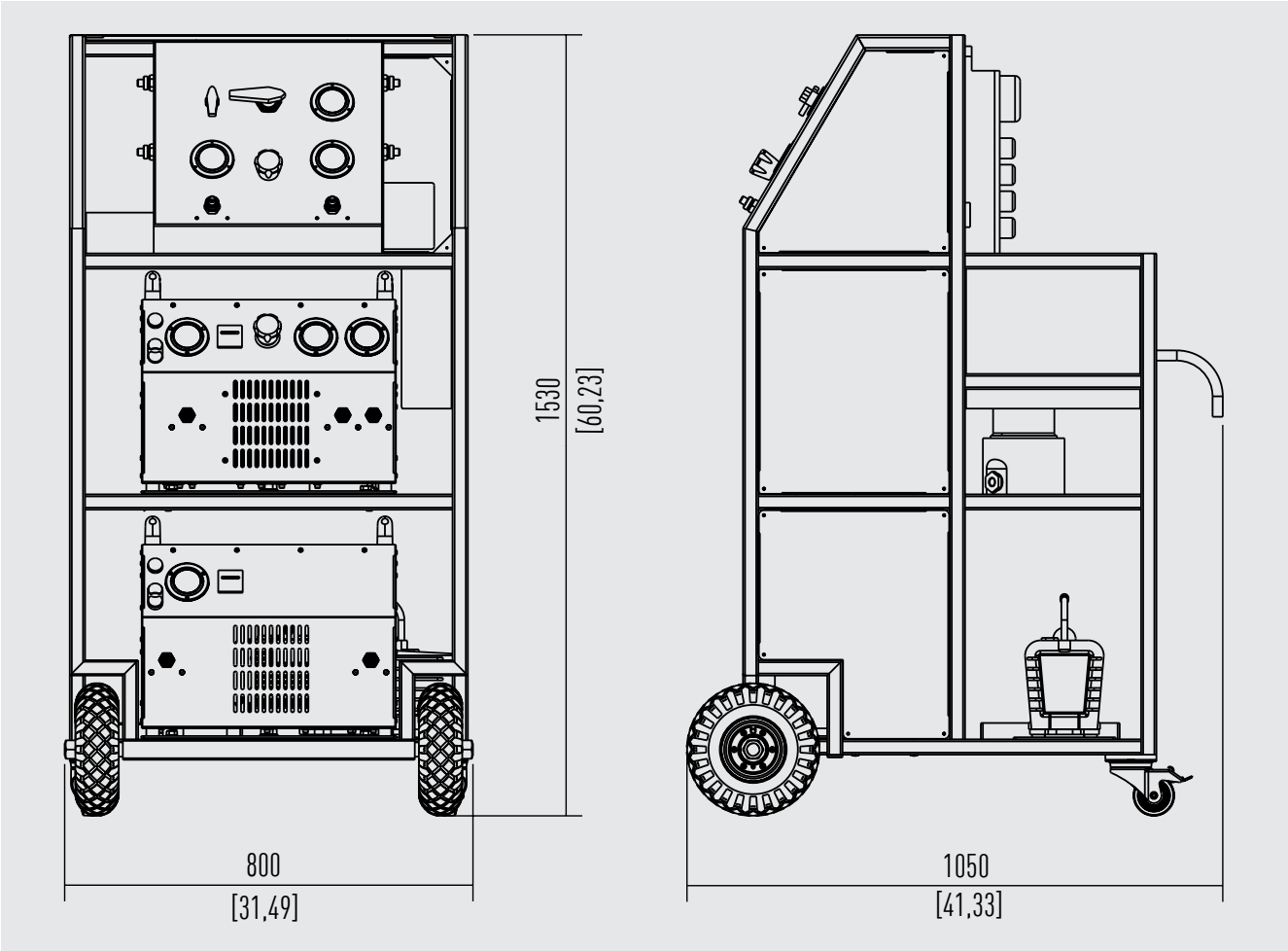
Vacuum pump (air)	
Gas flow rate	<ul style="list-style-type: none"> ■ 17 m³/h bei 50 Hz ■ 19 m³/h bei 60 Hz
Final vacuum	< 1 mbar abs. [0,014 mpsi abs.]

Filter element	
Molecular sieve, aluminium oxide, particle filter	1 µm [39,370 µin]
Max. water absorption	75 g [0,16 lb]

Weighing system	
Measuring range	0 ... 150 kg [0 ... 330,69 lb]
Accuracy	$\pm 0,02\%$ of end value

Wheels	
Front wheels	Pneumatic, Ø 260 mm [Ø 10,23 in]
Rear wheels	Solid rubber, movable, Ø 80 mm [Ø 3,14 in]

Dimensions in mm [in]



Accessories and spare parts

Hoses		Order number	
Nominal width	Length	Stainless steel	Rubber
DN 8	3 m [118,11 in]	14225424	14064928
	6 m [236,22 in]	14225507	14064929
	12 m [472,44 in]	14225513	14064931
	15 m [590,55 in]	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	14118644
Filter cartridge for GPF-10	14340559
Filter cartridge for particle filter	14140385
Operating unit (model GOP-10)	65937044
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

© 11/2019 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.
The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.
In case of a different interpretation of the translated and the English data sheet, the English wording shall prevail.



WIKA Alexander Wiegand SE & Co. KG
Alexander-Wiegand-Straße 30
63911 Klingenberg/Germany
Tel. +49 9372 132-0
info@wika.de
www.wika.de