# Portable $SF_6$ transfer unit Model GTU-10



## Applications

- Pumping $SF_6$ gas out of equipment into gas cylinders
- Consolidating part-filled $SF_6$ gas cylinders
- Filling of $SF_6$ gas-insulated equipment

## Special features

- High compressor performance
- Compact dimensions
- Robust version for the service
- Clear display of the working pressure


**Portable $SF_6$ transfer unit, model GTU-10**

## Description

**Portable service equipment series**
The model GTU-10 $SF_6$ transfer unit is a module of the portable service equipment series.

Modules of the series:
- Portable vacuum pump, model GVP-10
- Portable $SF_6$ filter unit, model GPF-10
- Portable $SF_6$ vacuum compressor, model GVC-10
- Portable $SF_6$ transfer unit, model GTU-10
- Portable $SF_6$ gas cylinder scale, model GWS-10

The model GTU-10 is an instrument developed specifically for $SF_6$ gas. Due to the selection of the oil-free running compressors, contamination of the $SF_6$ gas by lubricant is eliminated.

The compact dimensions of the model GTU-10 are ideal for mobile use. The fields of application range from the storage of $SF_6$ gas in gas tanks to the filling of $SF_6$ gas-insulated switches.

During storage of the $SF_6$ gas, the compressor can liquefy the gas in the storage vessel. Thus, the maximum storage capacity of a gas cylinder can be used. The connected storage vessels and supply lines must therefore be designed and approved for at least 50 bar pressure.



Data sheets showing similar products:
Portable vacuum pump, model GVP-10; see data sheet SP 63.13
Portable $SF_6$ filter unit; model GPF-10; see data sheet SP 63.11
Portable $SF_6$ vacuum compressor, model GVC-10; see data sheet SP 63.12
Portable $SF_6$ gas cylinder scale; model GWS-10; see data sheet SP 63.09

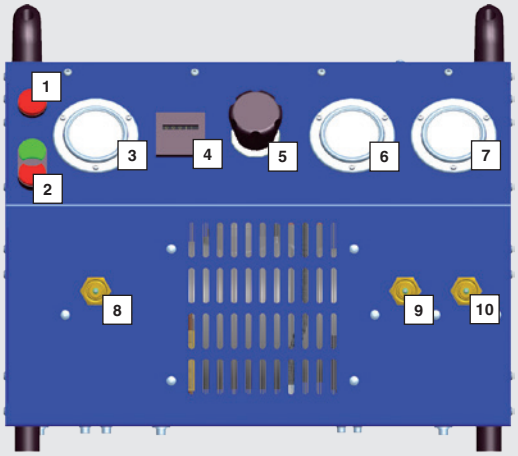
## Functionality

The compressor is connected to the input and output sides with appropriate fittings and hoses.

After switching on the compressor, the $SF_6$ gas is transported from the input to the output. With rising filling pressure, the $SF_6$ gas is liquefied in the storage vessel with minimum space requirements. The compressor automatically switches off when reaching 40 bar abs., and the overpressure warning lamp illuminates.

Switching on again is only possible once the pressure at the output has dropped below 36 bar abs.

Depending on the selection of the output valve ( 10 = output not pressure-reduced, 9 = output pressure-reduced) the gas drawn in is pumped into the connected vessel via the output hose. The desired filling pressure can thus be set exactly at the built-in pressure reducer.




1 Overpressure warning lamp
2 On/Off switch
3 Pressure display, inlet pressure
4 Operating hours counter
5 Pressure reducer
6 Pressure display, output pressure reducer
7 Pressure display output pressure
8 Valve coupling, inlet, DN 8
9 Valve coupling, outlet pressure reducer, DN 8
10 Valve coupling, outlet, DN 8

## Specifications

**Gas flow rate**
1.1 $m^3/h$

**Permissible inlet and outlet pressure**
≤ 40 bar abs. (580 psia)

**Pressure reducer, outlet pressure**
0 ... 16 bar (0 ... 232 psig)

**Power supply**

| Available versions | |
|---|---|
| Standard | AC 230 V, 50 Hz/60Hz, ±10 % |
| Option | AC 115 V, 60 Hz, ±10 % |

**Permissible ambient temperature**
Storage: -20 ... +60 °C (-4 ... +140 °F)
Operation: 5 ... 40 °C (41 ... 104 °F)

**Permissible humidity**
≤ 90 % r. h. (non-condensing)

**Ingress protection**
IP20 (per EN 60529)

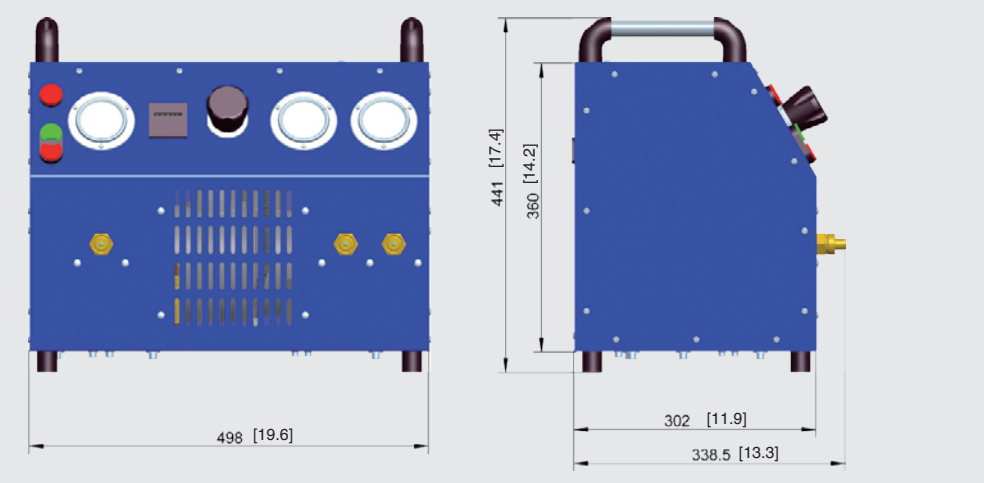
**Weight**
approx. 30 kg (66 lbs)

## Approvals

| Logo | Description | Country |
|---|---|---|
| CE | **EU-Konformitätserklärung**<br>■ EMC directive<br>EN 61326 emission (group 1, class B) and interference immunity (industrial application)<br>■ Machinery directive<br>■ RoHS directive | European union |
| EAC | **EAC**<br>■ EMC directive<br>■ Low voltage directive<br>■ Machinery directive | Eurasische Wirtschaftsgemeinschaft |

Approvals and certificates, see website

## Dimensions in mm [inch]



# Accessories

## Connecting hoses

| Designation | Order number | |
|---|---|---|
| | Stainless steel | Rubber |
| **Hose with self-sealing valves, DN 8** | | |
| Length 3 m (9.8 ft) | 14064922 | 14064928 |
| Length 6 m (19.7 ft) | 14064923 | 14064929 |
| Length 12 m (39.4 ft) | 14064924 | 14064931 |
| Length 15 m (49.2 ft) | 14064927 | 14064933 |

## Adapter

| Designation | Order number |
|---|---|
| **Adapter for GA45 gas recovery bag** | |
| DN8 to quick connector | 14068883 |
| **Adapter for gas cylinder** | |
| DN8 to W21.8 x 1/14" per DIN 477 No. 6 | 14074524 |
| DN8 to 0.96" 15/16" CGA 590 | 14074523 |
| DN8 to 1" per DIN 477 No. 8 | 14074521 |
| DN8 to G 5/8" per BS 341 No. 6 | 14074525 |

## Gas recovery bag

| Designation | Order number |
|---|---|
| **Gas recovery bag, model GA45**<br>For specifications see data sheet SP 62.08 | 14013015 |

## Ordering information

Model / Power supply / Accessories





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