



3-001-4-R022A

SF₆ gas refilling- and evacuating device with digital weighing scales 0 - 120 kg

Mobile as cylinder cart with wire-braided hoses

For evacuation of air and safe refilling of SF₆ into gas compartments by overpressure

This device covers two important functions: The integrated vacuum pump allows the evacuation of air down to < 1 mbar so that no air/gas mixture is produced during the subsequent filling process. The use of gastight and selfclosing DILO couplings guarantees emission-free gas handling.

The weight of the gas to be refilled can be conveniently registered (with the 3-001-4-R022 / R122 version) by means of the integrated weighing scales. The weight is indicated on the illuminated display which switches off automatically if the scales are not used for a longer period of time. Thanks to the tare function, the gas can be precisely quantified.



The actual product may differ slightly from the image.

Standard version

- vacuum pump for evacuation of air (16 m³/h [at 50 Hz]; 19m³/h [at 60 Hz]), final vacuum 1 mbar
- pressure reducer for SF₆
- SF₆ cylinder connection W 21.8 x 1/14"
- gauge 0 to -1,200 mbar
- primary gauge NG63, class 1.6, 0 - 60 bar
- secondary gauge NG100, class 1.0, 0 - 10 bar
- indication units in bar, ps, kPa
- ball valve DN8 with hand wheel
- DILO couplings DN8 and DN20
- two 6 m long wire-braided hoses DN8
- digital weighing scales for SF₆ cylinders, 0 - 120 kg with tare function, accuracy ± 0.02 %
- 3 m long electrical connecting cable
- solid tyre wheels
- paint: anthracite-orange
-

Key features

- Gas type: SF₆
- Filling of gas: 0 - 10 bar
- Evacuation of air: < 1 mbar
- DILO couplings: DN8/DN20
- Digital weighing scales: 0 - 120 kg
- Operating voltage: 220 - 240 V
- Frequency: 50 - 60 Hz
- Operation: manual

Advantages & functions

- frame
- hose reel
- integrated serial interface for data exchange and monitoring
- couplings can be exchanged without any gas loss
- digital display with internal battery (IP65)
- weight indication reversible from kg to lb
- most common global cylinder connections available as accessories
- power supply: internal battery (12 V / 2.5 Ah) with battery charger / running time in continuous operation up to 20 hours

Technical data

Ambient temperature	0 to +45 °C
Operating temperature	0 to +45 °C
Storage temperature	-20 to +60 °C
Dimensions (W x H x D)	570 x 1510 x 720 mm
Weight	73 kg
Operating voltage	220 - 240 V
Frequency	50 - 60 Hz AC
Weighing range	0 - 120 kg with tare function / accuracy: ± 0.02 %
Protection class	IP65

Optional accessories

3-334-R002 P	American SF ₆ cylinder connection 0.960"-14NGO-LH-EXT - CGA 590
3-643-R002 P	Chinese SF ₆ cylinder connection with G 5/8 thread - DIN 477 No. 7
3-245-R004 P	English SF ₆ cylinder connection G 5/8 - BS No. 3
6-1053-R001/20M	Electrical connecting cable 3 x 1.5 AWG 15 (available lengths 5 - 50 m)
6-1048-R111	Annual maintenance package for vacuum pump

Packaging

3-262-R006-C	Packing for 3-001-R021, 3-001-4-R022 / R122
--------------	---