

3-001-4-R002A

SF₆ gas refilling- and evacuating device

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.



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
- 6 m long wire-braided hose DN8
- DILO couplings DN8 and DN20
- 3 m long electrical connecting cable
- solid tyre wheels
- paint: orange

Special features

- Filling of gas: 0 - 10 bar
- Evacuation of air: < 1 mbar
- DIL0 couplings: DN8/DN20
- Operating voltage: 220 - 240 V
- Frequency: 50 - 60 Hz
- Operation: manual

Advantages & functions

- frame
- hose reel
- couplings can be exchanged without any gas loss
- most common global cylinder connections available as accessories

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 1360 x 540 mm
Weight	63 kg
Operating voltage	220 - 240 V
Frequency	50 - 60 Hz AC
Weighing range	0 - 120 kg
Protection class	IP 65

Optional accessories

3-334-R002 P	American SF ₆ cylinder connection with 0.96" Whitworth left-handed thread
3-643-R002 P	Chinese SF ₆ cylinder connection with G 5/8 thread
3-245-R004 P	English SF ₆ cylinder connection with G 5/8 thread
6-1053-R001/20M	Electrical connecting cable 3 x 1.5 AWG 13 (available lengths 5 - 50 m)
6-1048-R111	Annual maintenance package for vacuum pump

Packaging

3-262-R001-C	Packing for 3-001-R001 / 3-001-R002
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