

For efficient SF₆ gas handling on small gas compartments

B143R11

Small service cart

The compact and mobile unit meets all requirements for efficient gas handling in the medium voltage range. Compact design and ergonomic aspects have been a guideline for its construction. Compared with the large devices - all necessary functions are integrated including gas purification via dry filter and particle filters and gas storage in liquid form.

The gas is recovered to a final vacuum of < 5 mbar and thus outranges the IEC directives by far. The integrated dry running compressors prevent the SF₆ gas from being contaminated by oil. All values for the gas recovery, evacuation and filling process are displayed on the panel.



B143R11 model with
TÜV SÜD certified
performance data

- Device for liquid storage of SF₆ gas
- SF₆ gas recovery down to < 5 mbar
- Semi-automatic control and 2.8" operating panel
- Digital weighing scales for SF₆ bottles
- Residual gas recovery down to 5 mbar during filter change
- Reduction to transport pressure as integrated special function

Mini Series

B143R11

Small service cart

Technical data:

Dimensions: L 770 mm, W 760 mm, H 1,420 mm
Weight: 215 kg

Standard equipment:

Oil-free compressor (1.6 m³/h [at 50 Hz], 50 bar; 1.9 m³/h [at 60 Hz], 50 bar)
Vacuum compressor for SF ₆ gas recovery (3.3 m³/h, final vacuum < 5mbar)
Vacuum pump for air (14 m³/h, 2-stage, final vacuum < 1 mbar)
Dry filter
Particle filter
Pressure reducer
20 l storage bottle
Digital weighing scales for SF ₆ bottles (with adjustable switching point), 220 - 240 V / 50 - 60 Hz
Indication in bar / mbar, psi / torr (reversible on the panel)
5 m long rubber hose with coupling tongue parts DN8 on both ends
SF ₆ bottle connection with W 21.8 x 1/14" thread
3.0 m long connecting cable
Paint: orange (RAL 2004)
2 operating manuals in German or English

Operating voltage:

220 - 240 V / 50 - 60 Hz alternating current
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Optional accessories at an extra charge:

Second storage bottle (volume: 20 l)	K079R02
American SF ₆ bottle connection with 0.96" Whitworth left-hand thread	3-334-R002 P
English SF ₆ bottle connection with G 5/8 thread	3-245-R004 P
SF ₆ bottle connection with G 5/8 thread	3-643-R002 P
Additional operating manual on CD-ROM	6-0004-R213

Spare parts kits:

Maintenance package for vacuum pump, dry and particle filter included	6-1048-R201
Spare parts kit for compressor	6-1081-R010
Spare parts kit for vacuum compressor	6-1055-R030

Packing:

Packing for B143R11	3-262-R004-C
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