

Mini Series

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 the main focus for its construction.

The maintenance unit allows gas recovery down to a final vacuum of < 5 mbar and keeps pace with large devices. All necessary functions are integrated including gas purification via dry filter and particle filters as well as gas storage in liquid form. Operation of the device via colour touch panel sets a new standard in this device category as icons are clearly displayed for a quick overview of the entire process.

Equipped with four solid tired wheels, the unit can be conveniently moved on uneven and gravel ground. The integrated tool box keeps hoses and accessories tidy. Thus the B143R11 is a compact, efficient and user-friendly device complying with the requirements in the MV field.



Device with 20 l storage cylinder
(accessories)



B143R11 model with
TÜV SÜD confirmed
performance data

- Device for liquid storage of SF₆ gas
- SF₆ gas recovery down to < 5 mbar
- Semi-automatic control and 3.5" colour touch panel
- DN20 coupling for recovery, evacuation and filling operations
- Digital weighing scales for SF₆ bottles
- Residual gas recovery down to 5 mbar during filter change
- Reduction to transport pressure as integrated special function



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Technical data:

Dimensions: L 690 mm, W 750 mm, H 1,300 mm
Weight: 180 kg (without storage bottle)

Standard equipment:

Oilfree DILO compressor (1.6 m ³ /h [at 50 Hz], 50 bar; 1.9 m ³ /h [at 60 Hz], 50 bar)
Vacuum compressor for SF ₆ gas recovery (3.3 m ³ /h, final vacuum < 5mbar)
Vacuum pump for air (16 m ³ /h, final vacuum < 1 mbar)
Dry filter
Particle filter
Pressure reducer
Digital weighing scales for SF ₆ bottles (with automatic switching off), 0 - 120 kg with tare function, accuracy ± 20 g
Indication in bar / mbar, Pa, psi / torr (reversible on the touch panel)
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, English or French

Operating voltage:

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

5 m long rubber hose DN8 with coupling tongue part DN8 on one end and coupling tongue part DN20 on the other end	6-1138-R050
5 m long rubber hose DN20 with coupling tongue part DN20 on one end and coupling tongue part DN8 on the other end	6-1120-R050
5 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R050
5 m long wire braided hose DN8 with coupling tongue part DN8 on one end and coupling tongue part DN20 on the other end	6-1353-R050
5 m long wire braided hose DN20 with coupling tongue part DN20 on one end and coupling tongue part DN8 on the other end PN 40 bar	6-1354-R050
5 m long wire braided hose DN20 with coupling tongue part DN20 on both ends PN 40 bar	6-1024-R050
Storage bottle (volume: 20 l)	05-1144-R002
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
Storage connection with 2 meter long rubber hose DN8, DILO coupling DN8, ball valve DN8 and five different SF ₆ bottle connections	6-1041-R020
Transformer for special voltage 100 - 127 V	3-829-R010
Tarpaulin	05-0885-R080
Additional operating manual on CD-ROM	6-0004-R213

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Annual maintenance package for SF ₆ dry filter, particle filter and vacuum pump (16 m ³ /h)	6-1048-R203
Spare parts kit for compressor	6-1081-R010
Spare parts kit for vacuum compressor	05-1647-R100
Spare part kit (SF ₆ dry and particle filter)	6-1101-R101

Packing:

Packing for B143R11	3-262-R008-C
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