

B160R92V1S19

## Micro Series

Operating voltage: 100 - 240 V / 50 - 60 Hz

### Service trolley for the handling of small SF<sub>6</sub> gas quantities

#### For gaseous storage

The compact device of the MICRO series has been specially designed for very small SF<sub>6</sub> gas quantities and is perfectly suited for applications such as SF<sub>6</sub> gas handling on medical devices, electron microscopes or in research centres.

Despite its small design the compact device includes all functions required for professional and emission-free SF<sub>6</sub> gas handling: recovery down to 2 mbar, purification and drying during recovery and filling in combination with a filter unit, gaseous storage in the internal 2 l pressure vessel, evacuation of air down to 2 mbar as well as filling of the gas compartment to the desired final filling pressure. Integrated into a trolley, it can be transported in a safe and comfortable way.

Modern control technology in conjunction with a user-friendly interface in several languages make device operation simple and convenient. This series offers fully automated operation via a 3.5" touch screen with protective cover shielding from sunlight and dust. Thanks to the automated special functions the device can be easily maintained without emissions.



*The actual product may differ slightly from the image.*

#### Standard version

- oil-free DILo compressor (0,9 m<sup>3</sup>/h , final pressure pe 9 bar)
- vacuum compressor for recovery of SF<sub>6</sub> (3.3 m<sup>3</sup>/h, final vacuum 2 mbar)
- particle filter 1 μm
- filling pressure reducer
- 2 l pressure vessel
- operation and indication of the important process parameters via 3.5" touch screen with protective cover
- indication units in bar / mbar, kPa or psi / torr to be selected on the touch screen
- 3 m long electrical connecting cable and adapter kit

## Special features

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- Gas type: SF<sub>6</sub>
- Gas recovery: < 2 mbar
- Filling of gas: < 10 bar
- Evacuation of air: < 2 mbar
- Maximum storage pressure: 9 bar
- Recommended gas quantity: 5 kg
- Operation: automatic
- DILO couplings: DN8

## Advantages & functions

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- SF<sub>6</sub> gas recovery down to 2 mbar
- automatic function for filling and recovery of SF<sub>6</sub> gas as well as for the evacuation of air
- integrated special functions for easy maintenance and safe transport

## Technical data

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Dimensions (W x H x D)	500 x 366 x 625 mm
Weight	30 kg
Ambient temperature	0 to +45 °C
Operating temperature	0 to +45 °C
Storage temperature	-20 to +60 °C
Protection class	IP54 (device closed) / IP20 (device opened)
Sound level	< 70 dB
Maximum delivery capacity compressor	0,26 m <sup>3</sup> /h at suction pressure with SF <sub>6</sub> and a back pressure of 5 bar (with 24V DC voltage)
Medium delivery capacity compressor	0,9 m <sup>3</sup> /h at suction pressure with SF <sub>6</sub> and a back pressure of 9 bar

## Optional accessories

6-1400-R020	2 m long DN4 PTFE storage connecting hose, DN8 DILO couplings, DN8 ball valve with hand wheel and SF <sub>6</sub> cylinder connection W21,8 x 1/14"
6-1042-R020	2 m long rubber hose DN8 with DILO coupling tongue part DN8 on both ends
6-1042-R050	5 m long rubber hose DN8 with DILO coupling tongue part DN8 on both ends
6-1130-R020	2 m long wire braided hose DN8 with coupling tongue part DN8 on both ends
6-1130-R050	5 m long wire braided hose DN8 with coupling tongue part DN8 on both ends
B077R20	Mini Series pre-filter unit (p <sub>e</sub> 50 bar)
3-781-R022	Transport case for B077R20
B160R20	Accessories box with storage cylinders
B160R21	Accessories box without storage cylinders
05-1144-R001	10 l Gas cylinder for new SF <sub>6</sub> gas
05-1144-R002	20 l Gas cylinder for new SF <sub>6</sub> gas
05-1489-R200	Spare parts kit for vacuum compressor
B077-05	Spare filter cartridge for dry filter
B077-06	Spare filter cartridge for particle filter

## Packaging

3-775-R027-C	Packing
3-763-R007-C	Packing for storage bottle (volume: 10 l or 20 l)

## Note

Customer-specific adapters for connecting service carts / measuring devices to gas compartments on request.