

B160R11V1S21

Micro Series

Operating voltage 110 - 127 V/50 - 60 Hz

Service trolley for the handling of small SF₆ gas quantities (for liquid storage)

The compact device of the MICRO series has been specially designed for very small SF₆ gas quantities and is perfectly suited for applications such as SF₆ 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 SF₆ gas handling: recovery down to < 2 mbar, purification and drying during recovery and filling in combination with a filter unit, liquid storage in an external 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.



Standard version

- oil-free DILO compressor (1.6 m³/h [at 50 Hz], 50 bar; 1.9 m³/h [at 60 Hz], 50 bar)
- vacuum compressor for recovery of SF₆ (3.3 m³/h, final vacuum < 2 mbar)
- particle filter 1 μm
- filling pressure reducer
- 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

Special features

- Gas recovery: < 2 mbar
- Filling of gas: 0 - 10 bar
- Evacuation of air: < 2 mbar
- Maximum storage pressure: 50 bar
- Recommended gas quantity: < 5 kg
- Operation: automatic
- DILO couplings: DN8

Advantages & functions

- SF₆ gas recovery down to < 2 mbar
- automatic function for filling and recovery of SF₆ gas as well as for the evacuation of air
- integrated special functions for easy maintenance and safe transport

Technical data

Dimensions (W x H x D)	500 x 366 x 625 mm
Weight	53.5 kg
Operating temperature	0 to +45 °C
Ambient temperature	0 to +45 °C
Storage temperature	-20 to +60 °C
Protection class	IP54 (device closed) / IP20 (device opened)
Sound level	< 70 dB

Optional accessories

6-1400-R020	2 m long DN4 PTFE storage connecting hose, DN8 DILO couplings, DN8 ball valve with hand wheel and SF ₆ 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 _e 50 bar)
3-781-R022	Transport case for B077R20
B160R20	Accessories box with storage cylinders
B160R21 ZUBEHÖRKOF	Accessories box without storage cylinders
05-1144-R001	10 l Gas cylinder for new SF ₆ gas
05-1144-R002	20 l Gas cylinder for new SF ₆ gas
05-1292-R001	Plug adapter set 16 A / 250 V AC
6-1081-R010	Spare parts kit for compressor
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 for B160R20 accessories box
3-763-R007-C	Packing for storage bottle (volume: 10 l or 20 l)
3-775-R024-C	Packing for 3-035R-R..., B152R, B160R and B151R40

Note

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

