

MICRO SERIES



Mobile service unit for the handling of small SF₆ gas quantities
For liquid storage

B160R11:

SF₆ gas service unit

Operating voltage 220 - 240 V/50 - 60 Hz

B160R11S15:

SF₆ gas service unit

Operating voltage 100 - 127 V/50 - 60 Hz

The compact service unit 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.

The small and compact device includes all functions required for professional and emission-free SF₆ gas handling: recovery down to ≤ 2 mbar, 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.



The B160R11 service unit is adapted to the requirements of small gas compartments. The photo shows the device during service works on an irradiation unit.

- SF₆ gas recovery and evacuation of air down to ≤ 2 mbar
- Liquid storage
- Menu navigation via 3.5" colour touch panel
- Selectable pressure and vacuum units
- Practical transport case (trolley)
- Option: automatic function for filling and recovery of SF₆ as well as for the evacuation of air

 MICRO-SERIE
**B160R11****Mobile service unit****Technical data:**

Dimensions: Length 625 mm, Width 500 mm, Height 366 mm
Weight: 53.5 kg

Standard equipment:

Oilfree DILLO compressor (1.6 m ³ /h [at 50 Hz], 50 bar; 1.9 m ³ /h [at 60 Hz], 50 bar)
Small diaphragm compressor (3.3 m ³ /h, final vacuum ≤ 2 mbar)
Menu navigation via 3.5" colour touch panel
Selectable units for pressure (bar p _a /bar p _e /psi p _a /psi p _e /kPa p _a /kPa p _e /MPa p _a /MPa p _e) and vacuum (mbar / torr)
2 particle filters
Filling pressure reducer
Self-closing inlet and outlet coupling DN8
Transport case (trolley)
3 m long connecting cable (with inlet connector C19 and Schuko plug)
Operating manual

Optional accessories at an extra charge:

2 m long DN4 PTFE storage connecting hose, DN8 DILLO couplings, DN8 ball valve with hand wheel and SF ₆ cylinder connection W21,8 x 1/14"	6-1400-R020
Automatic control and switch off of the individual functions (evacuation of air, filling and recovery of SF ₆) when reaching final values	K141R25
2 m long wire braided hose DN8 with coupling tongue part DN8 on both ends	6-1130-R020
5 m long wire braided hose DN8 with coupling tongue part DN8 on both ends	6-1130-R050
Storage cylinder (volume: 10 l)	05-1144-R001
Storage cylinder (volume: 20 l)	05-1144-R002
Pre-filter unit (recommended for protection of the service unit)	B077R20
Plastic case for B077R20	3-781-R022
Accessories box with: 1 pre-filter unit, 2 storage cylinders (2 l), 2 wire braided hoses DN8 (2 m long) with coupling tongue part DN8 on both ends, 1 PTFE storage connecting hose (2 m long) DN4. Additional stowage for 3-033-R002 SF ₆ Leak Pointer (not included in the scope of supply)	B160R20
Plug adapter set 16 A / 250 V AC	05-1292-R001
Additional operating manual on CD-ROM	6-0004-R213

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

Spare parts kit:

Spare parts kit for B100R30 compressor	6-1081-R010
Spare filter cartridge (dry filter) for B077R11	B077-05
Spare filter cartridge (particle filter) for B077R11	B077-06

Packing:

Packing for B160R11 service unit	3-775-R027-C
Packing for B160R20 accessories box	3-775-R027-C
Packing for storage cylinders (volume: 10 l or 20 l)	3-763-R007-C
Packing for pre-filter unit B077R11	3-948-R005

