

**B057R.. / B058R..**

## Compact Series

**For easy maintenance on high voltage switchgear**

B057R.. / B058R..

**SF<sub>6</sub> gas service carts**

This robust series comprises several versions allowing gaseous and liquid SF<sub>6</sub> storage. SF<sub>6</sub> gas can be recovered to a final vacuum of < 5 mbar or 1 mbar and exceeds IEC 62271-4 regulations by far.

All devices of this type series are equipped with a semi-automatic control and are easy to operate: The functions are selected by means of a 3-way ball valve and a selector switch. The pressure units (bar/mbar, kPa or psi/torr) can be chosen on the operating panel.

The Compact series is the perfect choice in case a robust and user-friendly device is required for maintenance works on high voltage switchgear.



B058R03



B057R17

- Devices for storage in gaseous or liquid form
- SF<sub>6</sub> gas recovery down to < 5 mbar or 1 mbar
- Semi-automatic control and 3.6" operating panel
- Residual gas recovery down to 5 or 1 mbar during filter change
- Reduction to transport pressure as integrated special function
- All versions are available with tanks which can be assembled under the device with CE marking also available with SQL and ASME approval

## For liquid storage

B057R03

**SF<sub>6</sub> gas service cart**



B057R03 model with  
TÜV SÜD certified  
performance data

### Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,220 mm
Weight: 580 kg

### Standard equipment:

TM 5.0 B oilfree compressor (5.7 m <sup>3</sup> /h [at 50 Hz], 50 bar; 6.8 m <sup>3</sup> /h [at 60 Hz], 50 bar)
Vacuum compressor for recovery of SF <sub>6</sub> (4.8 m <sup>3</sup> /h, final vacuum < 5 mbar)
Vacuum pump for evacuation of air (40 m <sup>3</sup> /h, final vacuum < 1 mbar)
Evaporator
Dry filter
Particle filter
Indication units in bar / mbar, kPa or psi / torr to be selected on the operating panel
Fork lift provisions
Digital weighing scales for SF <sub>6</sub> bottles
5 m long storage connecting hose DN8 with coupling tongue part DN20
Different wrenches
Paint: orange (RAL 2004)
2 operating manuals in German, English or French

### Operating voltage:

208 - 240 V / 60 Hz 3-phase current	6-057SP-R011
380 - 460 V / 50 Hz or 380 - 420 V / 60 Hz 3-phase current	6-057SP-R012

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## Compact Series

B057R03

**SF<sub>6</sub> gas service cart**

Mounted on a pressure tank / stowage



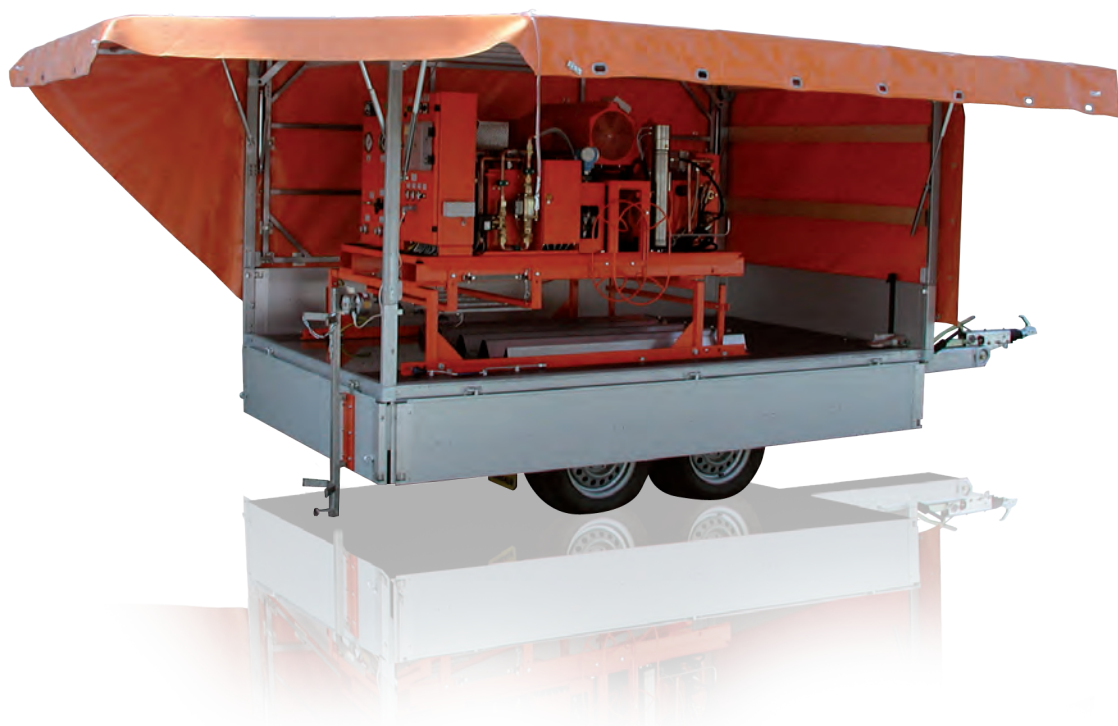
**Optional equipment (mounted) at an extra charge:**

	Storage capacity	Length mm	Width mm	Height mm	Net weight	Article No.
300 l / 50 bar pressure tank in accordance with EC 97/23 regulations and CE marked	280 kg	2,000	950	1,725	1,050 kg	<b>B171R01B057</b>
600 l / 50 bar pressure tank in accordance with EC 97/23 regulations and CE marked	580 kg	2,000	950	1,935	1,270 kg	<b>B171R02B057</b>
Stowage including 5 SF <sub>6</sub> -bottles with electronic weight indication and chassis with solid tired wheels	5 x 40 kg	2,500	1,050	2,015	1,320 kg	<b>B175R01B057</b>

B057R03

# **SF<sub>6</sub> gas service cart**

Can be mounted on a trailer with the following accessories:



## **Technical data:**

Dimensions: L 4,500 mm, W 1,700 mm, H 2,280 mm

Max. admissible total weight: 2,000 kg

2 axle car trailer TÜV approved, stowage with weighing device **with** 5 SF<sub>6</sub>-bottles, tarpaulin, side and back walls opened by pneumatic springs

**B175R11B057**

2 axle car trailer TÜV approved, stowage with weighing device **without** SF<sub>6</sub>-bottles, tarpaulin, side and back walls opened by pneumatic springs

**B175R10B057**

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## Compact Series

For recovery of SF<sub>6</sub> down to < 1 mbar with liquid storage

B057R17

**SF<sub>6</sub> gas service cart**



### Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,220 mm

Weight: 500 kg

### Standard equipment:

TM 5.0 B oilfree compressor (5.7 m<sup>3</sup>/h [at 50 Hz], 50 bar; 6.8 m<sup>3</sup>/h [at 60 Hz], 50 bar)

Oilfree suction pump for recovery of SF<sub>6</sub> (15 m<sup>3</sup>/h, final vacuum < 1 mbar)

Vacuum pump for evacuation of air (16 m<sup>3</sup>/h, final vacuum < 1 mbar)

Dry filter

Particle filter

Indication units in bar / mbar, kPa or psi / torr to be selected on the operating panel

Fork lift provisions

Different wrenches

Paint: orange (RAL 2004)

2 operating manuals in German, English or French

### Operating voltage:

208 - 240 V / 60 Hz 3-phase current

**6-057SP-R011**

380 - 460 V / 50 Hz or 380 - 420 V / 60 Hz 3-phase current

**6-057SP-R012**

B057R17

**SF<sub>6</sub> gas service cart**

Mounted on a pressure tank



**When using the B057R17 device type the SF<sub>6</sub> gas is not taken from the storage tank in liquid form!**

**Optional equipment (mounted) at an extra charge:**

Digital weighing scales for one SF <sub>6</sub> bottle	<b>K091R64</b>
5 m long storage connecting hose DN8 with coupling tongue part DN20	<b>6-1037-R050</b>

	Storage capacity	Length mm	Width mm	Height mm	Net weight	Article No.
300 l / 50 bar pressure tank in accordance with EC 97/23 regulations and CE marked	280 kg	2.000	950	1.725	1.050 kg	<b>B171R01XB057</b>
600 l / 50 bar pressure tank in accordance with EC 97/23 regulations and CE marked	580 kg	2.000	950	1.935	1.270 kg	<b>B171R02XB057</b>



**B057R.. / B058R..**

## Compact Series

**For gaseous storage**

B058R03

**SF<sub>6</sub> gas service cart**



### Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,220 mm

Weight: 550 kg

### Standard equipment:

TM 2.5 B oilfree compressor (11.4 m<sup>3</sup>/h, final pressure 23 bar at a suction pressure of > p<sub>e</sub> 3 bar or 16 bar at vacuum compressor connected in series or at a suction pressure of p<sub>e</sub> = 1 bar)

Vacuum compressor for recovery of SF<sub>6</sub> (4.8 m<sup>3</sup>/h, final vacuum < 5 mbar)

Vacuum pump for evacuation of air (40 m<sup>3</sup>/h, final vacuum < 1 mbar)

Dry filter

Particle filter

Indication units in bar / mbar, kPa or psi / torr to be selected on the operating panel

Fork lift provisions

Different wrenches

Paint: orange (RAL 2004)

2 operating manuals in German, English or French

### Operating voltage:

208 - 240 V / 60 Hz 3-phase current

**6-057SP-R011**

380 - 460 V / 50 Hz or 380 - 420 V / 60 Hz 3-phase current

**6-057SP-R012**

B058R03

**SF<sub>6</sub> gas service cart**

Mounted on a pressure tank



**Optional equipment (mounted) at an extra charge:**

	Storage capacity at 10 bar	Storage capacity at 16 bar	Storage capacity at 23 bar	Length mm	Width mm	Height mm	Net weight	Article No.
600 l / 25 bar pressure tank in accordance with EC 97/23 regulations and CE marked	42 kg	72 kg	105 kg	1,850	950	1,800	850 kg	<b>B173R01</b>
1,000 l / 25 bar pressure tank in accordance with EC 97/23 regulations and CE marked	70 kg	120 kg	175 kg	2,230	950	1,800	1,100 kg	<b>B173R02</b>



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**SF<sub>6</sub> gas service carts****Optional equipment (mounted) at an extra charge for all service carts of the Compact series:**

Additional price for electrical special voltage 440 - 480 V / 60 Hz 3-phase current	<b>6-057SP-R014</b>
Additional price for electrical special voltage 200 V / 50 - 60 Hz 3-phase current	<b>6-057SP-R017</b>
Additional price for electrical special voltage 210 - 240 V / 50 Hz 3-phase current	<b>6-057SP-R018</b>
Additional price for electrical special voltage 600 V / 60 Hz 3-phase current	<b>6-057SP-R019</b>
Tarpaulin (not for B175R.. trailer)	<b>6-057KA-R001</b>
Tool box	<b>6-057AB-R001</b>
Shelf plate	<b>K174R01</b>

**Optional accessories at an extra charge for all Compact service carts:**

5 m long rubber hose DN20 with coupling tongue part DN20 on both ends	<b>6-1017-R050</b>
7 m long rubber hose DN20 with coupling tongue part DN20 on both ends	<b>6-1017-R070</b>
10 m long rubber hose DN20 with coupling tongue part DN20 on both ends	<b>6-1017-R100</b>
Additional operating manual on CD-ROM	<b>6-0004-R213</b>

**Spare parts kits for B057R03:**

Maintenance package for vacuum pump, dry and particle filter included	<b>6-1048-R401</b>
Spare parts kit for TM 5.0 B compressor	<b>6-1010-R011</b>
Spare parts kit for vacuum compressor	<b>6-1189-R001</b>

**Spare parts kits for B057R17:**

Maintenance package for vacuum pump, dry and particle filter included	<b>6-1048-R411</b>
Spare parts kit for TM 5.0 B compressor	<b>6-1010-R011</b>

**Spare parts kits for B058R03:**

Maintenance package for vacuum pump, dry and particle filter included	<b>6-1048-R401</b>
Spare parts kit for TM 2.5 B compressor	<b>6-1007-R011</b>
Spare parts kit for vacuum compressor	<b>6-1189-R001</b>

**Packing for all Compact service carts:**

Packing for all devices without pressure tank	<b>3-751-R010-C</b>
Packing for devices with 300 l, 600 l pressure tank or stowage and weighing device	<b>3-751-R001-C</b>
Packing for devices with 1,000 l pressure tank	<b>3-751-R002-C</b>
Transport pallet for B057R03 mounted on a trailer	<b>3-688-R004-C</b>