

COMPACT SERIES



Starter Series for medium sized gas compartments

B057R.. / B140R..

SF₆ gas service carts

The service carts of the Compact series offer the best entry into professional gas handling.

Equipped with the well-proven DILOR components these service carts allow the recovery, filling, purification of SF₆ gas, evacuation and venting of medium sized gas compartments.

Depending on the device type, the Compact series allows gas recovery down to < 5 mbar or 1 mbar. Thus, this series considerably exceeds the IEC guideline 62271-4.

This series offers semi-automatic operation via a 7" touch screen and is the compact solution for emission-free gas handling.



B057R03 und B057R17



B140R01

- Devices for storage in gaseous or liquid form
- SF₆ gas recovery down to < 5 mbar or 1 mbar
- Semi-automatic operation via 7" touch screen
- Emission-free gas handling thanks to self-closing DILOR couplings
- Reduction to transport pressure as integrated special function
- All versions are available with tanks that can be assembled under the device; with CE marking or optionally with SQL or ASME approval
- Storage box for accessories

 COMPACT SERIES


For the recovery down to SF₆ < 5 mbar with liquid storage

B057R03

SF₆ gas service cart



With TÜV SÜD confirmed performance data

Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,200 mm
Weight: 550 kg
The recovery time for a 1000 l and 5 bar p _g gas compartment down to < 5 mbar is 185 minutes (when using a DN20 coupling).

Standard equipment:

B280R51 oilfree DILLO compressor; delivery rate: (6.5 m ³ /h [at 50/60 Hz]) at medium suction pressure with SF ₆
Vacuum compressor for recovery of SF ₆ (4.8 m ³ /h [at 50 Hz]; 5.8 m ³ /h [at 60 Hz], final vacuum < 5 mbar)
Vacuum pump for evacuation of air (40 m ³ /h [at 50 Hz]; 48 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
Evaporator
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter 1 µm
Indication units in bar / mbar, kPa or psi / torr to be selected on the 7" touch screen
Fork lift slots
Crane eyelets
Storage box
Fixing and steerable rollers
Protection class IP54
Sound pressure level < 67 dB (A)
Digital weighing scales for SF ₆ cylinders, 0 - 120 kg with tare function, accuracy ± 20 g
5 m long storage connecting hose DN8 with coupling tongue part DN20
Different wrenches
Paint: anthracite-orange
Operating manual

Operating voltage:

208 - 240 V / 60 Hz 3-phase current	6-057SP-R011
380 - 460 V / 50 Hz or 380 - 480 V / 60 Hz 3-phase current	6-057SP-R012



 COMPACT SERIES


B057R03

SF₆ gas service cart

Mounted on a pressure tank



B057R03 with pressure tank

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 2014/68/EU regulations and CE marked with electronic weight indication, fixing and steerable rollers	280 kg	1,850	950	1,725	915 kg	B179R01L057
600 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with electronic weight indication, fixing and steerable rollers	580 kg	1,850	950	1,850	1,135 kg	B179R02L057
Stowage including 5 SF ₆ cylinders with electronic weight indication and chassis with solid tired wheels	5 x 40 kg	2,500	1,050	1,950	1,185 kg	B175R61L057



 COMPACT SERIES


B057R03

SF₆ gas service cart

Can be mounted on a trailer with the following accessories:

**Technical data:**

Dimensions: L 4,500 mm, W 1,850 mm, H 2,450 mm
Max. admissible total weight: 2,500 kg

2 axle car trailer TÜV approved, stowage with weighing device with 4 SF ₆ -bottles, tarpaulin, side and back walls opened by pneumatic springs	B175R71L057
2 axle car trailer TÜV approved, stowage with weighing device without SF ₆ -bottles, tarpaulin, side and back walls opened by pneumatic springs	B175R72L057

Standard equipment for both versions:

2 Supports for hoses and connecting cable
Tool cabinet with 3 drawers
LED lighting
Pre -filter unit DN20 (B077R22)

Options for both versions:

Hose reel with 15 m long DN20 hose	K197R100
------------------------------------	----------



 COMPACT SERIES


For recovery of SF₆ down to < 1 mbar with liquid storage

B057R17

SF₆ gas service cart



With TÜV SÜD confirmed performance data

Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,200 mm
Weight: 550 kg
The recovery time for a 1000 l and 5 bar p _g gas compartment down to < 1 mbar is 127 minutes (when using a DN20 coupling).

Standard equipment:

B250R51 oilfree DILLO compressor; delivery rate: (6.5 m ³ /h [at 50/60 Hz]) at medium suction pressure with SF ₆
Oilfree suction pump for recovery of SF ₆ (15 m ³ /h [at 50 Hz]; 18 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
Vacuum pump for evacuation of air (25 m ³ /h [at 50 Hz]; 30 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter 1µm
Indication units in bar / mbar, kPa or psi / torr to be selected on the 7" touch screen
5 m long storage connecting hose DN8 with coupling tongue part DN20
Fork lift slots
Crane eyelets
Storage box
Fixing and steerable rollers
Protection class IP54
Sound pressure level < 67 dB (A)
Different wrenches
Paint: anthracite-orange
Operating manual

Operating voltage:

208 - 240 V / 60 Hz 3-phase current	6-057SP-R011
380 - 460 V / 50 Hz or 380 - 480 V / 60 Hz 3-phase current	6-057SP-R012



 COMPACT SERIES


B057R17

SF₆ gas service cart

Mounted on a pressure tank



When using the B057R17 version the SF₆ gas is not taken from the storage tank in liquid form!

Optional equipment (mounted) at an extra charge:

Digital weighing scales for SF ₆ cylinders, 0 - 120 kg with tare function, accuracy ± 20 g	K091R64
---	---------

	Storage capacity	Length mm	Width mm	Height mm	Net weight	Article No.
300 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with electronic weight indication, fixing and steerable rollers	280 kg	1,850	950	1,725	915 kg	B179R03
600 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with electronic weight indication, fixing and steerable rollers	580 kg	1,850	950	1,850	1,135 kg	B179R04



COMPACT SERIES



For the recovery of SF₆ down to < 5 mbar with gaseous storage

B140R01

SF₆ gas service cart



With TÜV SÜD confirmed performance data

Technical data:

Dimensions: L 1,850 mm, W 950 mm, H 1,200 mm
Weight: 520 kg
The recovery time for a 1000 l and 5 bar pe gas compartment down to < 5 mbar is 188 minutes (when using a DN20 coupling).

Standard equipment:

Oilfree DILO TM 2.5 B compressor (11.4 m ³ /h, final pressure 23 bar at suction pressure > p _e 3 bar or 16 bar upstream from the vacuum compressor or at suction pressure p _e = 1 bar)
Vacuum compressor for recovery of SF ₆ (4.8 m ³ /h [at 50 Hz]; 5.8 m ³ /h [at 60 Hz], final vacuum < 5 mbar)
Vacuum pump for evacuation of air (25 m ³ /h [at 50 Hz]; 30 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter 1 µm
Indication units in bar / mbar, kPa or psi / torr to be selected on the 7" touch screen
5 m long storage connecting hose DN8 with coupling tongue part DN20
Fork lift slots
Crane eyelets
Fixing and steerable rollers
Protection class IP54
Sound pressure level < 67 dB (A)
Different wrenches
Paint: anthracite-orange
Operating manual

Operating voltage:

208 - 240 V / 60 Hz 3-phase current	6-057SP-R011
380 - 460 V / 50 Hz or 380 - 480 V / 60 Hz 3-phase current	6-057SP-R012



B140R01
SF₆ gas service cart
 Mounted on a pressure tank



B140R01 with pressure tank

Optional equipment (mounted) at an extra charge:

	Storage capacity	Length mm	Width mm	Height mm	Net weight	Article No.
600 l / 25 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with fixing and steerable rollers	42 kg (at 10 bar) 72 kg (at 16 bar) 105 kg (at 23 bar)	1,850	950	1,860	850 kg	B173R03
1000 l / 25 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with fixing and steerable rollers	70 kg (at 10 bar) 120 kg (at 16 bar) 175 kg (at 23 bar)	2,400	950	1,860	1,100 kg	B173R04
Tool box						B057R03V2G05

COMPACT SERIES



B057R... SF₆ gas service carts

Optional equipment (mounted) at an extra charge for all service carts of the Compact series:

Additional price for electrical special voltage 200 V / 50 - 60 Hz 3-phase current	6-057SP-R017
Additional price for electrical special voltage 210 - 240 V / 50 Hz 3-phase current	6-057SP-R018
Additional price for electrical special voltage 600 V / 60 Hz 3-phase current	6-057SP-R019
Tarpaulin	6-057KA-R001

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	6-1017-R050
10 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R100
5 m long wire-braided hose DN20 with coupling tongue part DN20 on both ends PN 64 bar	6-1365-R050
10 m long wire-braided hose DN20 with coupling tongue part DN20 on both ends PN 64 bar	6-1365-R100
Electrical connecting cable 5 x 6 AWG 9 for 380 - 600 V (available lengths 5 - 30 m)	6-1053-R003
Electrical connecting cable 5 x 10 AWG 7 for 200 - 240 V (available lengths 5 - 30 m)	6-1053-R005
Operating manual	6-0004-R213

Spare parts kits for B057R03:

Annual maintenance package for SF ₆ dry and particle filter and 6-1048-R401 vacuum pump	6-1048-R431
Spare parts kit for compressor	6-1373-R013 / R004
Spare parts kit for vacuum compressor	05-1476-R101
Spare part kit (SF ₆ dry and particle)	6-1101-R122

Spare parts kits for B057R17:

Annual maintenance package for SF ₆ dry and particle filter and 6-1048-R401 vacuum pump	6-1048-R431
Spare parts kit for compressor	6-1373-R013 / R004
Spare parts kit (SF ₆ dry and particle filter)	6-1101-R122

Spare parts kits for B140R01:

Annual maintenance package for SF ₆ dry and particle filter and 6-1048-R401 vacuum pump	6-1048-R431
Spare parts kit for compressor TM 2,5 B	6-1007-R011
Spare parts kit for vacuum compressor	05-1476-R101
Spare part kit (SF ₆ dry and particle)	6-1101-R122

Packing for all Compact service carts:

Packing for all devices without pressure tank	3-751-R010-C
Packing for devices with 300 l, 600 l pressure tank or stowage and weighing device	3-751-R001-C
Transport pallet for B057R03 mounted on a trailer	3-688-R005-C

