

ECONOMY SERIES



The model range for universal applications

L057R01

SF₆ gas service carts

This series not only captivates with its compact construction and modern design, but also combines state-of-the-art technology and ergonomics. It is a real all-rounder and covers all practical requirements on a user-friendly device.

Everything is available: The integrated drawer for adapters and hoses as well as the digital weighing scales. Modern control technology in conjunction with a user-friendly interface in several languages make device operation simple and convenient. The external covering of the device protects the integrated components and considerably reduces noise. Thanks to various options, the device can be configured individually.

A protective cover with shading function combined with a swivelling control panel allows glare-free and ergonomic working at the optimum working height. An additional USB and Ethernet connection is integrated in the control panel for data exchange.

A state-of-the-art device that meets all customer requirements.



- Devices for liquid storage of SF₆ gas
- Gas recovery down to < 1 mbar
- Automatic control and 10" capacitive multi-touch panel
- Optional remote control via mobile devices
- Reversing switch for direction of rotation
- Digital weighing scales for SF₆ cylinders
- Residual gas recovery down to 1 mbar during filter change
- Automated special functions for emission-free maintenance of the device
- All versions are available with tanks that can be assembled under the device; with CE marking or optionally with SQL or ASME approval
- The service carts can also be mounted onto a trailer, if required



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For liquid storage



A swivelling control panel allows ergonomic working.



Operation, indication of the important process parameters and illustration of the selected gas flow on the control panel. Indication units (e.g. bar/mbar/kg) can be selected directly on the panel.



Lockable drawer for storing tools, adapters and hoses.



With TÜV SÜD confirmed performance data





L057R01

SF₆ gas service carts**Technical data:**

Dimensions: Length: 1,850 mm, Width: 950 mm, Height: 1,350 mm
Weight: 755 kg

Standard equipment:

B280R51 oilfree DILO 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 gas [15 m ³ /h (at 50 Hz); 18 m ³ /h [at 60 Hz], final vacuum < 1 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)
Operation and indication of the important process parameters via 10" multi-touch panel with protective cover
Evaporator
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter 1 µm
Selectable pressure and vacuum units
Vacuum indication: 0 - 100 mbar, Indication accuracy 0,1 mbar
Digital weighing scales for SF ₆ cylinders (with automatic switch off function), 0 - 120 kg with tare function, accuracy ±20 g
2 m long storage connecting hose DN8 with coupling tongue part DN20
Fork lift provisions
Crane eyelets
Tool tray as stowage
Fixing and steerable rollers
Different wrenches
Protection class IP54
Sound pressure level < 70dB(A)
Paint: anthracite-orange
Operating manual

Operating voltage for service carts (3-phase current ranges to be selected):

208 - 240 V / 60 Hz	6-057SP-R011
380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz	6-057SP-R012




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Mounted onto a pressure tank / stowage



L057R01 with 300 l pressure tank

Optional additional equipment (mounted) at an extra charge:

	Storage capacity	Length mm	Width mm	Hight mm	Net wight	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	1,860	1,120 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	1,985	1,340 kg	B179R02L057
300 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with electronic weight indication, chassis with solid tired wheels	280 kg	2,500	1,050	1,945	1,350 kg	B179R11L057
600 l / 50 bar pressure tank in accordance with 2014/68/EU regulations and CE marked with electronic weight indication, chassis with solid tired wheels	580 kg	2,500	1,050	2,075	1,650 kg	B179R12L057
Stowage including 5 SF ₆ cylinders with electronic weight indication, chassis with solid tired wheels	5 x 40 kg	2,500	1,050	2,075	1,390 kg	B175R61L057



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SF₆ gas service carts

Can be mounted onto a trailer with the following accessories:



Device including stowage
with weighing device and 4 SF₆ cylinders on the B175R11L057 trailer

Technical data:

Dimensions: Length: 4,500 mm, Width: 1,900 mm, Height: 2,450 mm

Max. admissible total weight: 2,500 kg

2-axle car trailer TÜV-approved, stowage with weighing device with 4 SF₆ cylinders, tarpaulin, side and back walls open by pneumatic springs

B175R51L057

2-axle car trailer TÜV-approved, stowage with weighing device without 4 SF₆ cylinders, tarpaulin, side and back walls open by pneumatic springs

B175R52L057

Standard equipment for both versions:

2 fixing facilities for hoses and connecting cable

Tool cabinet with 3 drawers

LED lighting

Options for both versions:

Hose reel with 15 m long hose DN20

K197R100

Pre-filter unit DN20

B007R11



**L057R01****SF₆ gas service carts**

Optional additional equipment (mounted) at an extra charge for all service carts of the Economy 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
Vacuum pump, (63 m ³ /h [at 50 Hz]; 76 m ³ /h [at 60 Hz]), final vacuum < 1 mbar	6-057VP-R001
Vacuum pump, (100 m ³ /h [at 50 Hz], 120 m ³ /h [at 60 Hz]), final vacuum < 1 mbar	6-057VP-R002
Two-stage vacuum pump with exhaust filter, type RH0060, nominal suction capacity (55 m ³ /h [at 50 Hz]; 65 m ³ /h [at 60 Hz]), final vacuum 0.0067 mbar	6-057VP-R007
Automatic control and switch off function (evacuation, filling, recovery of SF ₆) when reaching the corresponding final values	K141R11
Dew point control for dry filter	K129R08
Tarpaulin	6-057KA-R002
Chassis with solid tired wheels Ø 400 mm	6-057FG-R001
SF ₆ gas warning unit	K203R01
Exhaust control for vacuum pump	K203R01
Additional coupling DN20 (gas compartment B) for simultaneous evacuation and recovery or filling	K177R12
Precision vacuum sensor 100 mbar, resolution 0.001 mbar instead of 100 mbar, resolution 0.1 mbar for gas compartment A	K207R01
Precision vacuum sensor 100 mbar, resolution 0.001 mbar instead of 100 mbar, resolution 0.1 mbar for gas compartment B	K207R02
Filling up to pa 16 bar instead of pa 10 bar	K205R02
Recovery of storage tank down to 1 mbar	K204R01
Remote control (Wi-Fi) via mobile devices	K176R13

Optional equipment at an extra charge for all service carts of the Economy series:

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
Relief of fixing and steerable rollers for transport	K223R057

Spare parts kits for L057R01:

Annual maintenance kit for L057R01 with standard vacuum pump (40 m ³ /h)	6-1048-R401
Annual maintenance kit for L057R01 with 6-057VP-R001 / R002 vacuum pump	6-1048-R421
Annual maintenance kit for L057R01 with 2-stage 6-057VP-R007 vacuum pump	6-1048-R424
Spare parts kit for compressor	6-1409-R013/-R004
Spare filter kit (for SF ₆ dry and particle filter)	6-1101-R121



Packing for L057R01:

Packing for L057R01	3-751-R010-C
Packing for L057R01 with 6-057FG-R001 as option (chassis)	3-788-R023-C
Packing for L057R01 with pressure tank (fixing and steerable rollers)	3-751-R001-C
Packing for L057R01 with pressure tank (chassis)	3-788-R011-C
Packing for L057R01 with pressure tank (chassis) or stowage and weighing scales	3-788-R011-C
Transport pallet for L057R01 (trailer-mounted)	3-688-R005-C

