

MEGA SERIES



Maintenance devices for large and extra large gas compartments

L400R01 / L600R..

SF₆ gas service cart

These service carts are our most powerful devices and guarantee quick maintenance of gas compartments. Thanks to the state-of-the-art control all functions run automatically and are displayed on a 10" multi-touch screen. A new software with intuitive user navigation makes operation very easy and comfortable. This service cart can optionally be operated via smartphone, tablet or laptop.

Precondition for the construction of this series which allows SF₆ gas recovery down to a final vacuum of < 1 mbar was emission-free gas handling. When using the gastight DILLO couplings and connecting systems emissions will have no chance! Short gas recovery and evacuating times are obtained by using a coupling DN40.

All types are available with additional connecting couplings DN20 and DN40 (as option) for simultaneous operation. Thus it is possible to evacuate air from a gas compartment while filling SF₆ at the same time or recovering gas from another gas compartment. Multitasking in practice.



L600 with sheet metal covering
available as option

- Devices for liquid storage of SF₆ gas
- SF₆ gas recovery down to < 1 mbar
- Automatic control and high quality capacitive 10" 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
- 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
- The service carts can be mounted on a trailer



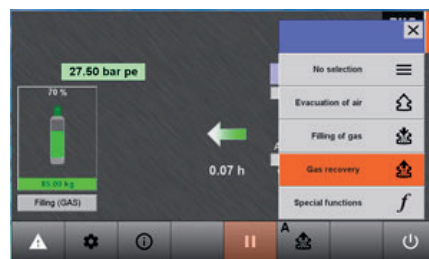
MEGA SERIES



L400R01

SF₆ gas service cart

For liquid storage



A graphic-based software makes operation easy and comfortable.



L400R01 / L600R.. model
with TÜV SÜD confirmed
performance data

Technical data:

Dimensions: L 2.600 mm, W 1.400 mm, H 1.500 mm

Weight: L400R01: approx. 1350 kg




**L400R01****SF₆ gas service cart****Standard equipment for L400R01:**

B200R.. oilfree DILLO compressor (40 m ³ /h [at 50/60 Hz], 50 bar)
Oilfree suction pump for recovery of SF ₆ (35 m ³ /h [at 50 Hz]; 42 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
Vacuum pump for evacuation of air (63 m ³ /h [bei 50 Hz]; 76 m ³ /h [bei 60 Hz], final vacuum < 1 mbar)
Operating and indication of the most important process parameters via 10" multi-touch panel with protective cover
DILLO couplings DN20 and DN40
Evaporator
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter
Pressure and vacuum units can be set
Vacuum indication: 0 - 100 mbar, Indication accuracy 0,1 mbar
Digital weighing scales for SF ₆ cylinders (with automatic switch off), 0 - 120 kg with tare function, accuracy ± 20 g
5 m long storage connecting hose DN8 with coupling tongue part DN20
Frame with crane eyelets
Tool box
Fixing and steerable rollers
Different wrenches
Paint: orange (RAL 2004)
Operating manual

Operating voltage for all service carts of the L400R01 series (3-phase current ranges to be selected):

380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz	6-400SP-R001
Additional price for electrical special voltage 220 - 240 V / 60 Hz	6-400SP-R002
Additional price for electrical special voltage 220 - 240 V / 50 Hz	On request
Additional price for electrical special voltage 200 V / 50, 60 Hz	On request
Additional price for electrical special voltage 600 V / 60 Hz	On request

Optional equipment (mounted) at an extra charge for all service carts of the L400R01 series:

	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, chassis with solid tired wheels (width 105 mm)	280 kg	3,070	1,400	2,070	2,000 kg	B177R01






L400R01

SF₆ gas service cart**Optional equipment (mounted) at an extra charge for all service carts of the L400R01 series:**

Vacuum pump, (100 m ³ /h [at 50 Hz]; 120 m ³ /h [at 60 Hz]), final vacuum < 1 mbar	6-400VP-R001
Vacuum pump, (200 m ³ /h [at 50 Hz]; 240 m ³ /h [at 60 Hz]), final vacuum < 1 mbar	6-400VP-R002
Two-stage vacuum pump with exhaust filter, type RH0060, final vacuum 0.0067 mbar nominal suction capacity (55 m ³ /h [at 50 Hz]; 65 m ³ /h [at 60 Hz])	6-400VP-R004
Two-stage vacuum pump with exhaust filter, type RH0090, final vacuum 0.0067 mbar nominal suction capacity (80 m ³ /h [at 50 Hz]; 95 m ³ /h [at 60 Hz])	6-400VP-R005
Automatic switch off function (evacuation, filling, recovery of SF ₆) when reaching the corresponding final values	K141R11
Dew point control for dry filter	K129R04
Tarpaulin	K029R27
Sheet metal covering	Auf Anfrage
Chassis with solid tired wheels Ø 400 mm (for service carts without storage tank)	K088R17
Additional DN20 and DN40 coupling for evacuation and gas recovery or filling at the same time	K177R61
Remote control via mobile devices	K176R11
Kit for remote control router	K176R21
Kit for remote control router with extended functions	On request

Optional accessories at an extra charge for service carts of the L400R01 series:

5 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R050
7 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R070
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
5 m long wire braided hose DN40 with coupling tongue part DN40 on both ends	6-1076-R050
10 m long wire braided hose DN40 with coupling tongue part DN40 on both ends	6-1076-R100
5 m long wire braided hose DN40 with coupling tongue part DN40 on one end and coupling tongue part DN20 on the other end	6-1080-R050
10 m long wire braided hose DN40 with coupling tongue part DN40 on one end and coupling tongue part DN20 on the other end	6-1080-R100
Triple manifold, coupling DN40 to 3 x coupling DN20 with ball valve	3-718-R006
Coupling tongue part DN40 with transition piece to 2 x DN20 2 rubber hoses DN20 (10 m long) with coupling tongue part DN20	6-1235-R001
Electrical connecting cable 5 x 10 AWG 7 for 380 - 600 V (available lengths 5 - 30 m)	6-1053-R005
Electrical connecting cable 5 x 16 AWG 5 for 200 - 240 V (available lengths 5 - 30 m)	6-1053-R004
Additional operating manual	6-0004-R213

Spare parts kits for L400R01:

Annual maintenance package for L400R01 with standard vacuum pump (63 m ³ /h) / (100 m ³)	6-1048-R521
Annual maintenance package for L400R01 with vacuum pump (200 m ³ /h)	6-1048-R522
Annual maintenance package for L400R01 with two-stage vacuum pump (RH0060)	6-1048-R525
Annual maintenance package for L400R01 with two-stage vacuum pump (RH0090)	6-1048-R526
Spare parts kit (valves and piston rings) for compressor	6-1341-R111
Spare parts kit (SF ₆ dry filter and particle filter)	6-1101-R151



 MEGA SERIES


L400R01 / L600R...

SF₆ gas service cart**Packing for L400R01:**

Packing for L400R01	3-761-R141-C
Packing for L400R01 with chassis (as option)	3-761-R142-C
Packing for L400R01 with pressure tank	3-761-R143-C

Technical data:

Dimensions: L 2.600 mm, W 1.400 mm, H 1.500 mm
Weight L600R01: approx. 1.350 kg
Weight L600R02: approx. 1.430 kg

L600R01:

Oilfree suction pump for recovery of SF ₆ (35 m ³ /h [at 50 Hz]; 42 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
--

L600R02:

Oilfree suction pump for recovery of SF ₆ (85 m ³ /h [at 50 Hz]; 105 m ³ /h [at 60 Hz], final vacuum < 1 mbar)

Standard equipment for L600R01 and L600R02:

B200R.. oilfree DILLO compressor (60 m ³ /h [at 50/60 Hz], 50 bar)
Vacuum pump for evacuation of air (63 m ³ /h [at 50 Hz]; 76 m ³ /h [at 60 Hz], final vacuum < 1 mbar)
Operating and indication of the most important process parameters via 10" multi-touch panel with protective cover
DILLO couplings DN20 and DN40
Evaporator
Dry filter (water absorption capacity: 175 g at a dew point of -36 °C)
Particle filter
Pressure and vacuum units can be set
Vacuum indication: 0 - 100 mbar, Indication accuracy 0,1 mbar
Digital weighing scales for SF ₆ cylinders (with automatic switch off), 0 - 120 kg with tare function, accuracy ± 20 g
5 m long storage connecting hose DN8 with coupling tongue part DN20
Frame with crane eyelets
Tool box
Fixing and steerable rollers
Different wrenches
Paint: orange (RAL 2004)
Operating manual



 MEGA SERIES


L600R...

SF₆ gas service cart

Operating voltage for service carts of the L600R01 series (3-phase current ranges to be selected):

380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz	6-600SP-R001
Additional price for electrical special voltage 220 - 240 V / 60 Hz	6-600SP-R002
Additional price for electrical special voltage 200 V / 50, 60 Hz	on request
Additional price for electrical special voltage 220 - 240 V / 50 Hz	on request
Additional price for electrical special voltage 600 V / 60 Hz	on request

Operating voltage for service carts of the L600R02 series (3-phase current ranges to be selected):

380 - 440 V / 50 Hz	6-600SP-R011
Additional price for electrical special voltage 220 - 240 V / 60 Hz	6-600SP-R012
Additional price for electrical special voltage 380 – 480 V / 60 Hz	6-600SP-R013
Additional price for electrical special voltage 200 V / 50, 60 Hz	on request
Additional price for electrical special voltage 220 - 240 V / 50 Hz	on request
Additional price for electrical special voltage 600 V / 60 Hz	on request

Optional equipment (mounted) at an extra charge for all service carts of the L600R.. series:

	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, chassis with solid tired wheels (width 105 mm)	280 kg	3,070	1,400	2,070	2,000 kg	B177R01

Optional equipment (mounted) at an extra charge for all service carts of the L600R.. series:

Vacuum pump, (100 m ³ /h [at 50 Hz]; 120 m ³ /h [at 60 Hz]), final vacuum < 1 mbar	6-600VP-R001
Vacuum pump, (200 m ³ /h [at 50 Hz]; 240 m ³ /h [at 60 Hz]), final vacuum < 1 mbar	6-600VP-R002
Two-stage vacuum pump with exhaust filter, type RH0060, final vacuum 0.0067 mbar Nominal suction capacity (55 m ³ /h [at 50 Hz]; 65 m ³ /h [at 60 Hz])	6-600VP-R005
Two-stage vacuum pump with exhaust filter, type RH0090, final vacuum 0.0067 mbar Nominal suction capacity (80 m ³ /h [at 50 Hz]; 95 m ³ /h [at 60 Hz])	6-600VP-R007
Second dry filter	K119R22
Second evaporator	6-600VD-R001
Automatic switch off function (evacuation, filling, recovery of SF ₆) when reaching the corresponding final values	K141R11
Dew point control for dry filter	K129R04
Tarpaulin	K029R27
Sheet metal covering	Auf Anfrage
Chassis with solid tired wheels Ø 400 mm (for service carts without storage tank)	K088R17
Additional DN20 and DN40 coupling for evacuation and gas recovery or filling at the same time	K177R61
Remote control via mobile devices	K176R11
Kit for remote control router	K176R21
Kit for remote control router with extended functions	On request






L600R...

SF₆ gas service cart**Optional accessories at an extra charge for service carts of the L600R.. series:**

5 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R050
7 m long rubber hose DN20 with coupling tongue part DN20 on both ends	6-1017-R070
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
5 m long wire braided hose DN40 with coupling tongue part DN40 on both ends	6-1076-R050
10 m long wire braided hose DN40 with coupling tongue part DN40 on both ends	6-1076-R100
5 m long wire braided hose DN40 with coupling tongue part DN40 on one end and coupling tongue part DN20 on the other end	6-1080-R050
10 m long wire braided hose DN40 with coupling tongue part DN40 on one end and coupling tongue part DN20 on the other end	6-1080-R100
Triple manifold, coupling DN40 to 3 x coupling DN20 with ball valve	3-718-R006
Coupling tongue part DN40 with transition piece to 2 x DN20 2 rubber hoses DN20 (10 m long) with coupling tongue part DN20	6-1235-R001
Electrical connecting cable 5 x 10 AWG 7 for 380 - 600 V (available lengths 5 - 30 m)	6-1053-R005
Electrical connecting cable 5 x 16 AWG 5 for 200 - 240 V (available lengths 5 - 30 m)	6-1053-R004
Additional operating manual	6-0004-R213

Spare parts for L600R..:

Annual maintenance package for L600R.. with standard vacuum pump (63 m ³ /h) / (100 m ³ /h)	6-1048-R521
Annual maintenance package for L600R.. with vacuum pump (200 m ³ /h)	6-1048-R522
Annual maintenance package for L600R.. with two-stage vacuum pump (RH0060)	6-1048-R525
Annual maintenance package for L600R.. with two-stage vacuum pump (RH0090)	6-1048-R526
Spare parts kit (valves) for compressor	6-1341-R111
Spare parts kit for second 6-550TR-R001 dry filter	3-899-06
Spare part kit (SF ₆ dry and particle filter)	6-1101-R151

Packing for L600R..:

Packing for L600R..	3-761-R141-C
Packing for L600R.. with chassis (as option)	3-761-R142-C
Packing for L600R.. with pressure tank	3-761-R143-C

