



MEGA SERIES SERVICE CART

DILO's current gas service cart line is the culmination of decades of SF₆-specific R&D, which has consistently guaranteed end-users the most cutting-edge technology and intuitive controls on the market. Riding on the heels of the extremely successful L550 model, DILO is proud to introduce the all-new L600.

Using DILO's newly developed B200 processing plant, large I.D. components and minimal plumbing throughout, these carts dramatically reduce flow restriction while increasing the overall throughput more than ever before. A new software interface controlled through a re-designed smart panel display makes operation the most simplistic yet! In addition to all of the previous innovations that have made the L-series the most popular large gas service carts in the world, DILO also now offers options for remote control of all functions via smartphone, tablet, or PC and the ability of air evacuation while simultaneously running gas recovery or filling.

What does this all mean? Carts that are the most environmentally, user, and field friendly devices available today.

- Liquid storage of SF₆ gas
- SF₆ gas recovery down to <1 torr
- Automatic control via 10" smart panel
- Optional remote control via mobile devices
- Simultaneous operations between air evacuation and gas recovery or filling
- Digital weighing scales with all storage racks
- Recovery down to <1 torr during filter maintenance
- Reduction to transport pressure as an integrated special function
- All models are also available with storage tank options which can be mounted under the device with CE marking; available with SQL and ASME approvals
- Graphic-based software makes operation easy and reliable.



Technical Information:

Dimensions	102.4" L x 55.2" W x 59.1" H (2,600 x 1,400 x 1,500 mm)
Weight	3,153 lbs. (1,430 kg)

L600R51/01:

Oil-less suction pump for recovery of SF₆ (35 m³/h, final vacuum <1 mbar)

L600R52/02:

Oil-less suction pump for recovery of SF₆ (100 m³/h, final vacuum <1 mbar)

Standard Equipment:

B200R... oil-less DILO compressor (60 m ³ /h, 725 psig)
Vacuum pump for evacuation of air (200 m ³ /h, final vacuum < 1 mbar)
Operating and indication of the most important process parameters via 10" multi-touch panel with protective covering
DILO couplings DN20 and DN40
Evaporator
Drying & particle filters
SF ₆ Leak Pointer
DN20 Quick Coupling w/ cap



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Operating Voltage:

208 – 240 V / 60 Hz 3 phase current	Included
380 - 480 V / 60 Hz 3 phase current	6-600SP-R013
Additional price for electrical special voltage 600 V / 60 Hz 3 phase current	on request
35 kW diesel generator *Trailer options with generator compartment required	T-MEC35D0-T4F

Storage Options :

- 115lb DOT/ISO Approved cylinders
- Individual shut-off valves
- Digital weight scale with safety set point, which shuts functions off automatically when the maximum programmed weight is reached

Part No.:

4-cylinder storage rack ²	<ul style="list-style-type: none"> • Storage Capacity: 460 lbs. • 102.5" L x 59.5" W x 20.25" H • Weight: 825 lbs 	C-400-W
8-cylinder storage rack ²	<ul style="list-style-type: none"> • Storage Capacity: 920 lbs. • 102.5" L x 59.5" W x 31.5" H • Weight: 1,600 lbs 	C-800-W
10-cylinder storage rack ²	<ul style="list-style-type: none"> • Storage Capacity: 1,150 lbs. • 102.5" L x 60.5" W x 31.5" H • Weight: 1,900 lbs 	C-1000-W
20-cylinder storage rack ²	<ul style="list-style-type: none"> • Storage Capacity: 2,300 lbs. • 117.0" L x 60.5" W x 31.5" H • Weight: 2,300 lbs 	C-2000-W
Individual Cylinder Weight Scale	<ul style="list-style-type: none"> • Resolution: 0.1lbs • Accuracy +/- 0.1lbs (Exceeding the accuracy requirements by EPA & CARB minimum standard of +/- 2 lbs) • Small, lightweight and stable • Low profile platter for easy roll-on / roll-off cylinder placement • Digital display with upper setpoints 	K091R165

¹ Additional storage vessels are available upon request

² Racks can be used either with casters or mounted in an enclosed trailer



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Optional Add-Ons:

60 m ³ /h two-stage vacuum pump with exhaust filter, final vacuum <0.0067 mbar	6-600VP-R005
500 m ³ /h Roots pump, final vacuum < 1 mbar	on request
Automatic switch off function (evacuation, filling, recovery of SF ₆) when reaching the corresponding final values	K141R11
Dew point control for dry filter	K129R04
Tarp	K029R27
Sheet metal covering	on request
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
Second drying filter	K119R22
Second evaporator	6-600VD-R001

Optional Accessories for Service Carts:

DN20 adapter kit for joining storage hoses to common SF ₆ connection types	DN20 V2 Adapter Kit
Triple manifold, coupling groove DN20 to 3 x coupling groove DN20 with ball valve	3-718-R036
Storage manifolds: 4 or 6 port with DN20 & DN8 male couplings, covering caps, DN8 storage hoses, & rugged case	D-240-R002 D-260-R002
DN20 manifold: 4 port with 4x DN20 male couplings, covering caps, & rugged case	D-220-R002
Medium volume pre-filter with 1x drying core, 1x particle core, DN20 male couplings* *Does not include additional required hose	B007R22
Large volume drying pre-filter with 1x particle filter, 1x activated charcoal filter, 2x aluminum oxide and molecular sieve, & DN20 male couplings* *Only available for trailer mount.	Z104R07
16 foot (5 m) rubber hose with DN20 couplings	6-1017-R050
33 foot (10 m) rubber hose with DN20 couplings	6-1017-R100
16 foot (5 m) stainless steel wire braided hose with DN20 couplings PN 40 bar	6-1024-R050
33 foot (10 m) stainless steel wire braided hose with DN20 couplings PN 40 bar	6-1024-R100
16 foot (5 m) stainless steel wire braided hose with DN20 couplings PN 64 bar	6-1365-R050
33 foot (10 m) stainless steel wire braided hose with DN20 couplings PN 64 bar	6-1365-R100
16 foot (5 m) stainless steel wire braided hose with DN40 couplings	6-1076-R050
33 foot (10 m) stainless steel wire braided hose with DN40 couplings	6-1076-R100
16 foot (5 m) stainless steel wire braided hose with DN40 coupling on one end and DN20 coupling on other end	6-1080-R050
33 foot (10 m) stainless steel wire braided hose with DN40 coupling on one end and DN20 coupling on other end	6-1080-R100

*Additional hoses available upon request



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Maintenance Package:

Annual maintenance package for L600 <ul style="list-style-type: none"> • Replace all filters and vacuum pump oil • Perform a comprehensive inspection at the beginning and end of service • Hands-on operational training during visit • Additional services upon request 	D-910-R100
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Spare Parts Kit:

Annual maintenance package for L600R.. with standard vacuum pump (63 m3/h) / (100 m3/h)	on request
Annual maintenance package for L600R.. with vacuum pump (200 m3/h)	on request
Annual maintenance package for L600R.. with two-stage vacuum pump (65 m3/h)	on request
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-R131