

① Install the blanking plug, open the bleed valve, start the machine, and check that the two fans are working properly. Tighten the bleed valve (#34) and start the timer. The time for the pressure to rise from 0MPa (0 bar) to 30MPa (300bar) should be between 13 and 18 seconds, indicating that the machine is in good condition and operating normally. Turn off the machine and timer when the pressure reaches 30MPa and note down the time it has taken to reach 30MPa.

② Wait for five minutes. Then check to see if the pressure gauge is holding pressure and shows no significant drop. If there is an obvious drop, it may mean the compressor has received a knock during shipment which has caused a joint to loosen and leak. Generally, leaks are most likely to be found at the joints at the end of the hose, or where the hose screws into the compressor. Lightly spray some soapy water onto these 2 areas and bubbles will reveal the leak. Use a spanner to tighten the joint and this should fix the leak.

③ Wait for 2 minutes to check if the fans stop automatically. We have added a delay to a relay in the design of the fan, to ensure that the machine receives 2 minutes continuous cooling after the piston stops running. This helps to accelerate the cooling process and potentially shorten the rest interval in the duty cycle of the machine. This check will reveal if the relay has been damaged due to being transported though this is extremely unlikely. (Ignore this if you select a separate switch for fan and pump or do not have a delay switch function)

When you have completed the above steps and everything is normal, then you can use the machine normally.

**5.Operation:** Pull out the test/blanking plug from the hose and store it safely. Connect the hose to whatever bottle or container you are filling, paying attention to the join between the male and female connectors. Turn the switch to <start> and check that the two cooling fans are running normally. This next sequence is important: after making sure everything is in order, tighten the bleed valve and start then start the filling process. During the fill, do not stand too close to air bottle/container. Keep a close eye on the indicated pressure on the pressure gauge. The compressor has been designed for a maximum pressure of 310BARS. When the pressure gauge reaches your required pressure, turn off the switch in good time. To decompress the system, close the valve on your air container, then open the bleed valve on the compressor to expel the air and any water in the system. You may then disconnect the end of the hose from your air container.

**6.After-Fill and Storage:** When the compressor has been depressurized, insert the blanking plug into the end of the hose; wipe off any oil or water stains on the surface of the machine and remove the battery after the machine has cooled down. Store it separately. If you are storing it in a car, try to avoid places it can get knocked, or if storing the battery at home, avoid damp places. Stand the machine upright as much as possible.



Thank you very much for choosing GX products.

GX will serve you with professional technology and hope you enjoy the using experience.



GX PUMP

GX-E-L2



User Manual

4500 PSI 18V Lithium Battery Compressor

#### Technical Details

Model: GX-E-L2  
Power: 250W  
Working voltage: 18V  
Motor speed: 3000 RPM  
Output: 14 l/min  
Weight: 6.53 KG  
Dimensions: 22 cm x 11.5 cm x 25 cm  
Maximum working pressure: 32Mpa

Maximum current: 17A  
Working volume: 72DB  
Upper gas speed 0.5L cylinder test  
MPa pressurized to 30MPa: 13-14 minutes.  
MPa pressurized to 30MPa: 4 to 5 minutes.  
Battery model: 18V Lithium Battery  
The output hose has a G1/8th quick connector with test/blanking plug.

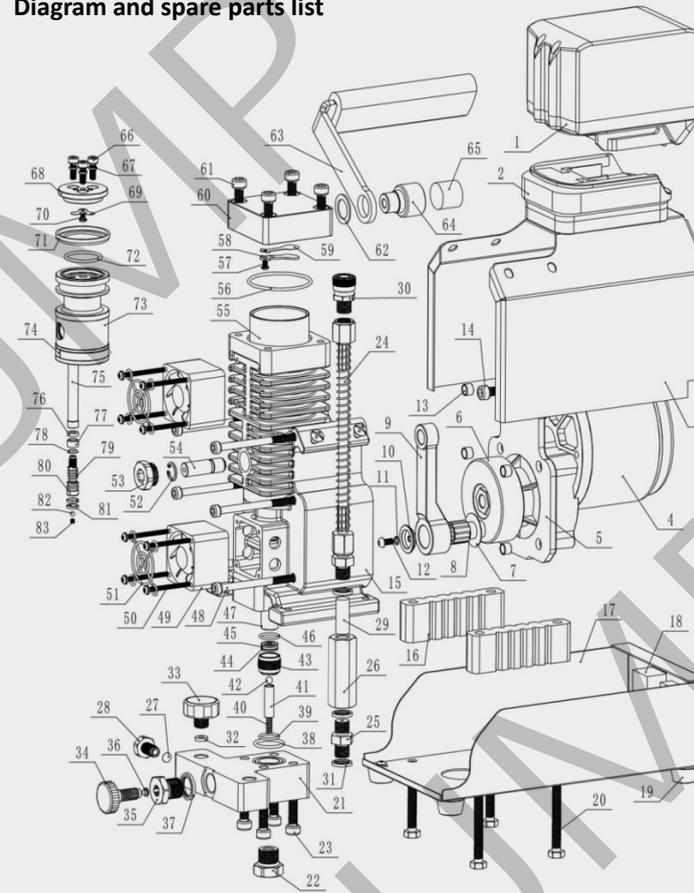
## Warning

1. Please charge in a clean, dust-free, cool environment, well away from any flammable and explosive gas or liquids.
2. Please do not charge when the battery is in a high temperature. Do not charge immediately after work.
3. When removing or moving the battery pack from the socket, do not pull the cable. You must hold the main body of the charger by hand to avoid damaging the wire.
4. Keep a close eye on the compressor when the machine is running, and do not fill out of date bottles or containers, and do not operate the machine in an unorthodox or unsafe way!
5. If the machine starts to make any unusual sounds turn the machine off and see if the fault is obvious. If not, contact our after-sales staff or local dealer!
6. If the compressor is not used for more than 24 hours, please unplug the battery pack and store it safely. Please take care not to drop the battery pack accidentally on the ground or drop it into water. It is strictly prohibited to make any structural changes to the battery.
7. This high pressure pump and its lithium battery should be stored in a place that is out of reach for children and, for longer term storage, in an environment that is dry and dust-free.
8. Redundant batteries should not be discarded but sent to your local recycling centre.
9. If the machine does not have automatic stop function, please do not leave the machine unattended and make sure you turn it off in time.
10. The duty cycle of the machine is Run Time- 15 mins; Rest Time- 10 mins. Using it beyond this limit will damage the machine and cause it to break down. Please let it rest for at least 10mins, every 15mins!

## Accessory bag contains:

- I. High pressure piston ring
- II. 1 low pressure piston ring
- III. 5 pieces of filter cotton
- IV. Two air intake muffler filter cotton
- V. Two springs
- VI. 8 Burst discs

## Diagram and spare parts list



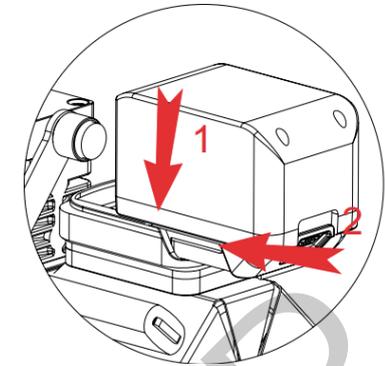
Item	Name	Item	Name	Item	Name
1	The Li-Battery	29	Filter cotton	57	M3 x 6 Allen screw
2	Battery connector	30	Quick connector	58	Check valve flap
3	Shell	31	10mm composite washer	59	Valve
4	Motor	32	Sealing gasket	60	First stage cylinder head
5	Motor cover	33	Pressure gauge	61	M6 x 25 hexagon screw
6	Crankshaft	34	Bleed valve	62	14 mm washer
7	Copper pad	35	Deflated nut	63	The handle
8	Radial bearing	36	Bleed valve pad	64	Prefilter
9	Connecting rod	37	14mm composite washer	65	Filter cotton
10	Retaining ring	38	22 x 2 o-rings	66	M4 x 12 Allen screw
11	M4 spring pad	39	15 x 1.5 o-rings	67	4mm composite washer
12	M4 x 8 Allen head	40	Spring	68	Piston plate
13	Positioning sleeve	41	Spring seat	69	V-type valve
14	M6 x 30 Allen screw	42	Check valve	70	M3 x 4 Allen screw
15	Chassis body	43	Check valve seats	71	First stage piston ring
16	cushioning	44	Check valve pad	72	O-rings 27 x 2
17	Shell-bottom	45	O-rings 12 x 1.5	73	Primary piston
18	switch	46	15 x 1.5 o-rings	74	Guide ring
19	foot	47	High pressure pipe	75	High pressure pole
20	M6 x 40 hexagon screw	48	M5 x 70 Allen screw	76	High pressure piston ring pad
21	High pressure cylinder head	49	Cooling fan	77	High pressure piston rings
22	Check valve nut	50	M3 x 30 screw	78	High pressure piston copper pad
23	M6 x 30 Allen screw	51	Fan net	79	High pressure piston spring
24	High pressure hose	52	circlip	80	High-pressure piston
25	One-way connector	53	Oil plug	81	High pressure piston opening ring
26	Filter	54	Connecting rod pin	82	High pressure valve core
27	Explosion-proof membrane	55	First stage cylinder liner	83	spring
28	Explosion-proof nut	56	46 x 2 o-rings		

## Directions for Use

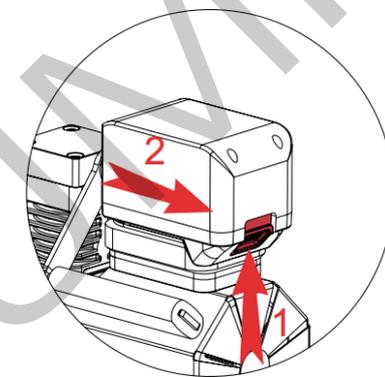
**1.Opening the box:** when you receive the compressor, please check the packaging for obvious damage. Look over the machine to see if the casing is damaged in any way. **Please read these instructions carefully, noting the function of each part of the machine.** Check whether the corresponding parts on the packing list are right. If there are any missing parts, please contact our after-sales team. Our machine has been frequently inspected and tested before leaving the factory.

**2.Battery Charging:** for safe transport, the battery pack's power has been limited to only 40% when it leaves the factory, so you must charge it before first using it. Plug the battery into the charger and connect the charger to your main power supply. The power display light on the battery will show the status of the battery.

**3.Battery installation:** Install/remove the fully charged battery pack on the machine according to the following diagrams.



Installation: Place the battery into the slot in direction 1 and then push it in direction 2



Removal: press the red button in direction 1 and push the battery out in direction 2.

**4.Tests before use:** Please have stopwatch or similar available to time how long the machine takes to pressurize its internal system and the fill hose. You will need to ensure the blanking plug, supplied with the machine, is in the end of the hose. **Keep the blanking plug in a safe place for any future testing.** Note down the result of the test so that you can compare future tests to this one and therefore assess the performance of the machine over time.

