



## Compression Foam Sprayer

Model: SG180

Owner Manual & Instructions

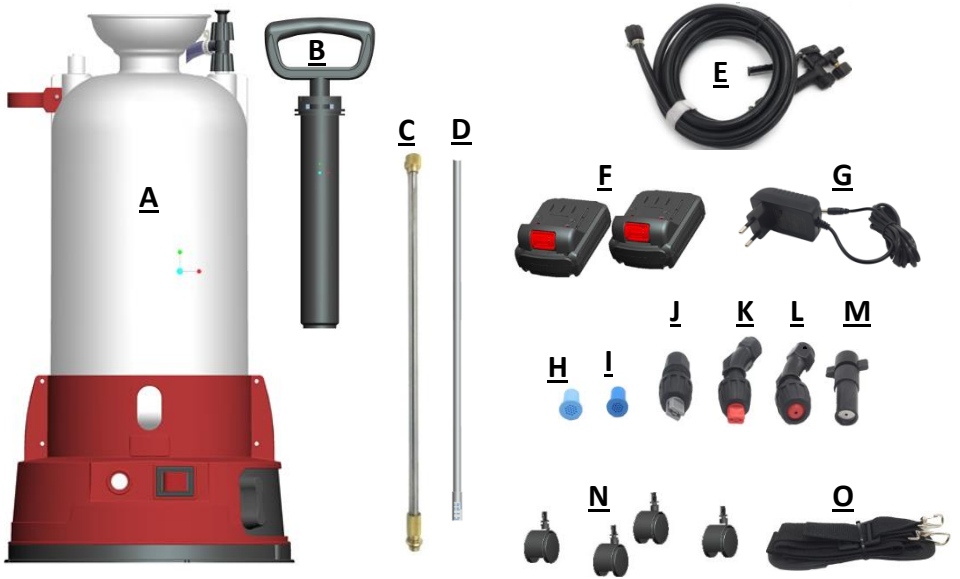
SG180M001 – Version 1 battery  
SG180M002-Version 2 batteries



**Read all safety warnings and all instructions**

# Contents of the Compression Sprayers

Fig.1



- A. Compression foam machine
- B. Manual pump
- C. Telescopic lance
- D. Suck tube
- E. Spray hose + Handle switch
- F. Lithium-Ion battery packs (1 or 2 pcs )
- G. Quick charger
- H. Foaming pad (average foam density)
- I. Foaming pad (high foam density)
- J. Straight fan nozzle
- K. Elbow fan nozzle
- L. Elbow mist nozzle
- M. Straight adjustable nozzle
- N. Omni-directional wheels (4 pcs )
- O. Shoulder strap

## General Safety Warnings

**⚠ WARNING** Read all safety warnings and all instruction. Failure to follow the warnings and instructions listed below may result in electric shock, fire and/or serious personal injury.

### Work area safety


- Do not operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes
- Do not allow bystanders or children in the area while operating this product. Exposure to some chemicals can be hazardous.
- Spray area must be well ventilated.
- This product is suitable for indoor and outdoor use.

### Personal safety

- Stay alert, watch what you are doing and use common sense when operating this product. Do not use while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating this product may result in serious personal injury.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Use personal protective equipment. Wear eye protection with side shields or goggles, protective masks and safety gloves. Protect eyes, skin and lungs against drifting spray and during mixing, filling, and cleaning.
- Do not use the product if the switch does not turn it on and off. Any product that cannot be controlled with the switch is dangerous and must be repaired.

- Store the product out of the reach of children and do not allow persons unfamiliar with the product or these instructions to operate the product.
- Avoid accidental starting. Ensure the switch is in the off position before inserting battery pack. Inserting the battery pack into products that have the switch on invites accidents.

## Battery safety and care

- Only charge the batteries with the charger which accompanied your product or direct replacement as listed in this manual. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use the sprayer only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery packs are not in use, keep them away from metal objects. For example, to protect terminals from shorting, Do NOT place batteries in a box or pocket with nails, paper clips, coins, keys, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
- Do not open the battery packs. Danger of short-circuiting.
-  Protect the battery against heat, e. g., continuous intense sunlight, fire, and water. Danger of explosion.

- The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally. An internal short circuit can occur and the battery can burn, smoke, explode or overheat.

## Specific Safety Rules

- **⚠ WARNING** Risk of fire or explosion. Do not spray flammable liquids such as gasoline.
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- Electric shock hazard. Never spray toward electrical.
- Avoid spraying on windy days. Spray can be accidentally blown onto plants or objects that should not be sprayed.
- Know the contents of the chemical being sprayed. Read all Material Safety Data Sheets (MSDS) and container labels provided with the chemical. Follow the chemical manufacturer's safety instructions.
- Risk of injection. Do not discharge directly against skin.
- To reduce the risk of electric shock, do not put the sprayer into water or other liquid. Do not place or store the sprayer where it can fall or be pulled into a tub or sink.
- Remove the battery from the gun before cleaning, storing, changing nozzles or disconnecting the spray pipe. Such preventive safety measures reduce the risk of accidental starting.
- Maintain this product. Thoroughly inspect the sprayer and examine the components before each use. Check for cracked and deteriorated hoses, leaks, clogged nozzles, and missing or damaged parts. If damaged, have the product repaired before use. Many accidents are caused by poorly maintained products.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when changing

accessories. Remove battery pack when tool is not in use. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.

- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
- Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- Do not charge battery pack in a damp or wet location. Following this rule will reduce the risk of electric shock.
- For best results, your batteries should be charged in a location where the temperature is more than 32°F but less than 113°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.
- Do not use battery-operated appliance in rain.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
- Do not dispose of the batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Store idle appliances indoors. When not in use, appliances should be stored indoors in dry, and high or locked-up place - out of reach of children.

Save All Warnings and Instructions for future reference

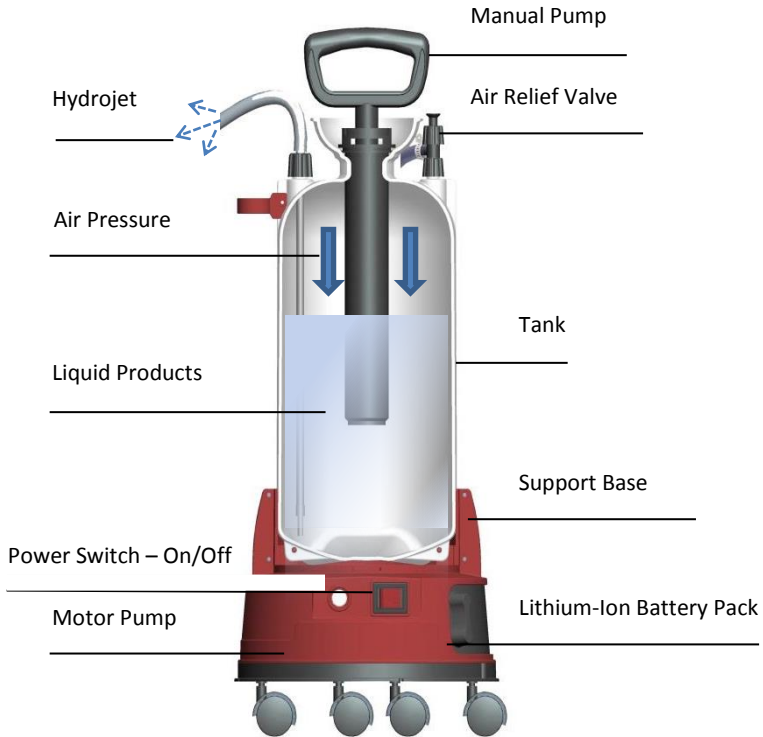
## Product Specifications

Model	SG180
Nominal voltage	12 V=
Tank capacity	9L
Spray hose	3M
Working pressure	1.9 - 2.3bars
Compressor	DC12V-36W-5bars
Working time Non-stop	35min/ 27L*2
Battery	Lithium-ion -12V -2.9Ah
Charger input voltage	100~240 V~ 50-60Hz
Charger output voltage	13.0V
Charger output current	1.5A
Charging time (full charge)	90minutes
Noise	70 dB max
Joints	Viton
Dimension (L*W*H)	35.5*35.5*60.0
Weight	4.6kg

Battery Model		SGB-1229L
Nominal voltage	V=	12.0
Nominal capacity	Ah	2.9
Battery charging voltage (automatic voltage detection)	V=	13.0
Battery charging current	A	1.5
Allowable charging temperature	°C	0...+45
Allowable operation and storage temperature	°C	-20...+60
Number of battery cells		3

## Principle of Function

**Fig.2**



Motor Pump powered by Lithium-Ion battery automatically drives the air into the tank as a periodic basis.

In the tank the pressure increasing on the liquid products will drive it out constantly by the lance.

And finally, you will get uniform dry foam or spray patterns based on the different nozzles.

**⚠ WARNING** Please read all safety warnings and follow all instructions to use this product. Any improper use and incorrect operation may damage the product or have risk of safety accident



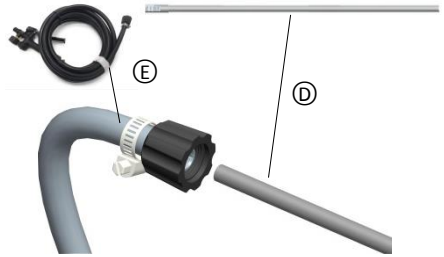
# Operating Instruction

**Fig.3**



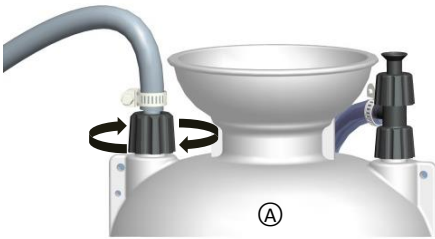
1- Install the four wheels

**Fig.4**



2-Insert the sucker into the end of the spray hose

**Fig.5**



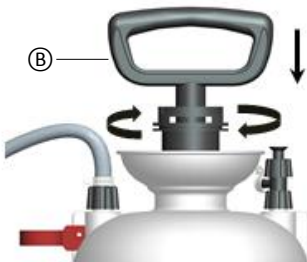
3- Tighten up the spray hose

**Fig.6**



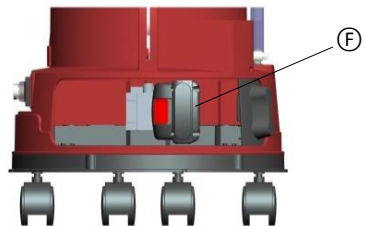
4- Pour the liquid products into the tank

**Fig.7**

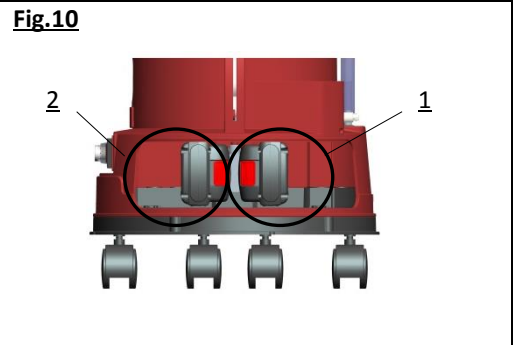
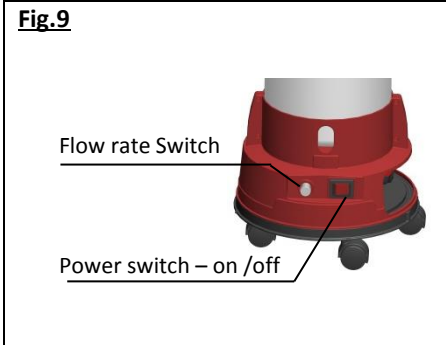


5- Insert the manual pump and tighten it up

**Fig.8**

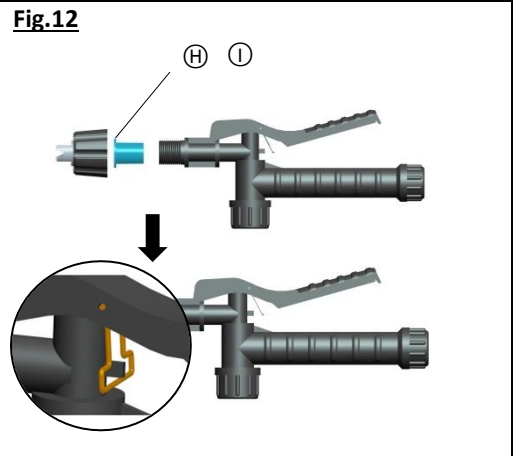
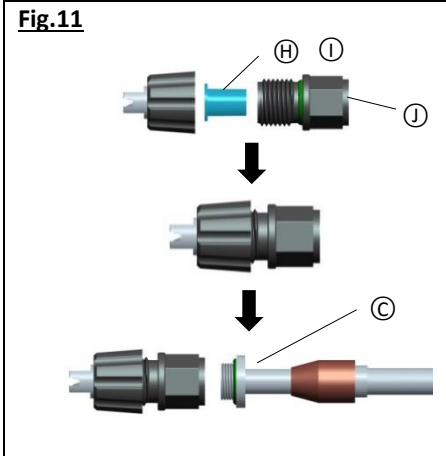


6- Insert the battery pack and close the battery window



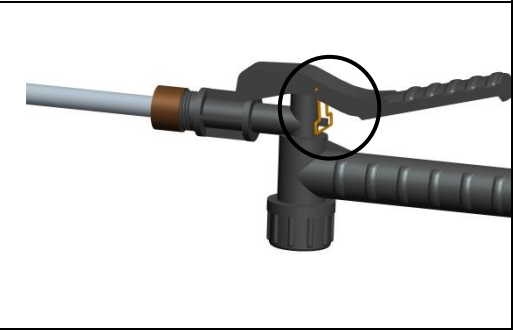
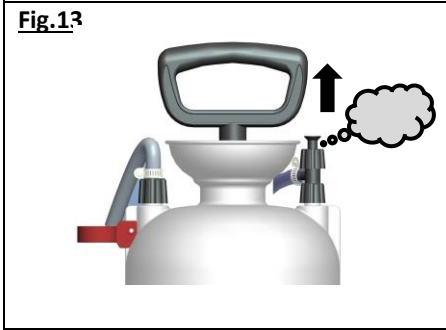
7- Turn on the switch and adjust the flow rate switch to start your spray work

1 - space for working battery pack  
2 - space for backup battery pack



1 - How to use the nozzle with a foaming pad

2 - How to use the nozzle with a foaming pad



Pull up the relief valve to empty the tank pressure

Handle Switch can be locked to relieve your hand labor

**⚠ WARNING** Before starting to use, be sure to place the equipment in a dry, flat, stable place.

1. Refer to the Fig3, Fig4 and Fig5 to get the equipment ready to use.
2. Full the tank with the liquid products and tighten up the manual pump securely (refere to Fig6. Fig7.)
3. Insert the working battery pack in the proper place and close the window of the battery cavity (Refer to Fig8.)
4. Turn on the power switch and rotate the knob to adjust the flow rate. (Refer to Fig9.)
5. The motor pump in the support base starts to work.
6. Start to your spray work when the motor pump stops.

## Working Advice

In order to obtain a high performance and extend the pump life, **do not use over one hour continuously. Stop for half an hour so that the pump can have better cooling.**

## Charging the Battery Pack

- Plug charger cord into your standard power outlet, then insert the other end of charger DC connector into the battery connection port (Fig.15)
- The charger's indicator light will become a steady red light. This indicates that the battery is receiving a fast charge. When the charge's indicator light becomes a steady green light, it indicates that the battery is fully charged.
- When the batter pack is fully charged, unplug the charger and pull out the charger DC connector from the battery connection port.



## **Important note:**

- The Lithium-ion battery is supplied partially charged. To ensure full battery capacity, completely charge the battery before using for the first time.
- The Lithium-ion battery is protected against deep discharging Protection. When the battery is empty the device is switched off by means of a protective circuit.

## **Transportation, Storage and Maintenance**

- Switch off the power when you move the equipment.
- Store the equipment in a dry, flat, ventilated place.
- Do not store the sprayer under 35 degrees or under the sun.
- Rinse the entire loop (from the tank to nozzle) with clean water and empty the tank pressure after the end of each use.
- Take out the battery pack and charge it to 80% capacity for long time storage.
- Clean the machine with dry cloth or wet sponge.

## **Warranty**

The manufacturer guarantees problem free quality and will cover the cost of replacing parts which are found to be faulty in material or show manufacturing defects within the prescribed guarantee period after the date of purchase. Please note that specific guarantee conditions may differ from country to country. When in doubt, please ask the vendor of the goods. The vendor of the product is responsible for guarantee applications. We hope you will understand that we cannot be liable for damage resulting from these causes:

- Non-compliance with operating instructions.
- Wear from normal use.
- Use of force, improper treatment, misuse and accidents resulting in cracked, broken or damaged components.
- Attempted adjustments and repairs by non-qualified persons.
- Use of unsuitable spare parts or non-original parts if such parts are the cause of the damage.

## Trouble Shooting

Problems	Diagnostics	Actions
Turn on the power switch and flow rate switch, the pump does not work	Battery Motor Pump Pressure switch Power switch Flow rate switch Electric wires	Insert the battery pack recharge the battery pack charge the battery pack * check and change the motor pump * check and change the pressure switch * heck or change the power switch *check or change the flow rate switch *check the wire connections Check and relieve the tank pressure (refer to fig.13)
No rise in pressure or pressure too low	Battery Joints Manual pump Motor pump	recharge the battery pack change the battery pack check every joints if any leakage check and tighten it up *change the pump
Machine vibrating increase	Battery	recharge the battery pack
Too much pressure	Pressure switch	*change the pressure switch
Battery working time too short	Battery Charger	change the battery change the charger
Battery does not be charged	Battery Charger	change the battery change the charger

\* these actions must be carried out only by qualified professionals

## Working Advice

A substantial drop in operating time per charge may mean that the battery pack is nearing the end of its life and should be replaced.

## Disposal



The device, chargers, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.

Do not dispose of power s and batteries/rechargeable batteries into household waste!

Only for EC countries:

According to the European Guideline 2012/19/EU, powers that are no long usable, and according to the European Guideline 2006/66/EC, defective or used battery packs/batteries, must be collected separately and disposed of in an environmentally correct manner.

## Maintenance and Service

Our after-sales service responds to your questions concerning maintenance and repair of your products as well as the spare parts.



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