

B&G

BACKPACK SPRAYER

USER MANUAL

READ AND UNDERSTAND THE SAFETY PRECAUTIONS BEFORE OPERATING THIS DEVICE

- | | |
|--|--|
|  General Mandatory Action Sign |  Wear Protective Gloves |
|  Read Instruction Manual Booklet |  Wear Respiratory Protection |
|  Wear Eye Protection |  Keep Bystanders Away When Spraying |

SAFETY

Please ensure you have read and fully understood the safety precautions before operating this appliance. Instructions for use of this product will vary depending on chemical applications. Always read the product label when preparing your solution.

- Always comply with any requirements for Personal Protective Equipment (PPE) as required by the formulation label.
- This appliance is to be kept out of reach from children.
- The sprayer shall be used only with products approved by local/national regulatory authorities for products for use with knapsack sprayers.
- Children should not play with, clean, or maintain the appliance.
- Do not use the power supply unit provided with this appliance outdoors or in wet/humid conditions.
- The appliance is only to be used with the battery and power supply unit supplied with the appliance.
- Do not use the sprayer while tired, ill or under influence of alcohol or other drugs or medicaments.
- Do not pressurize tank with external air or gas source.
- Do not adjust the tip or change spray patterns while depressing the valve trigger.
- Do not store or transport the unit while system is on.
- The equipment has been designed to be operated in temperatures between 32°F/ 0°C to 100°F/38°C.



DESCRIPTION

The B&G Backpack Sprayer is a battery-powered diaphragm pump sprayer designed to be worn for the application of water-based and oil-based formulations. The sprayer comes with the Extenda-Ban valve and AV-210 adjustable tip. Please refer to the [Extenda-Ban User Guide Addendum](#) for additional details on your sprayer's features.

Scan QR Code for the
[Extenda-Ban User Guide Addendum](#)

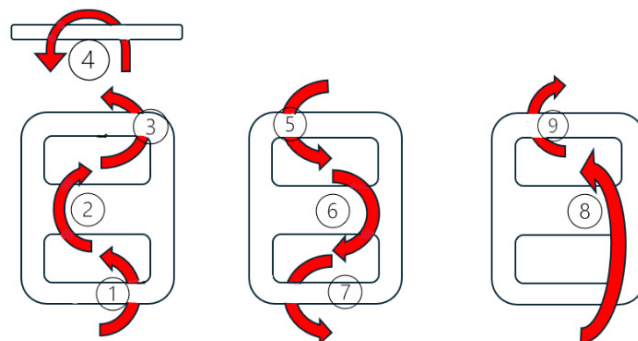


Charger operates on 110V AC power source.

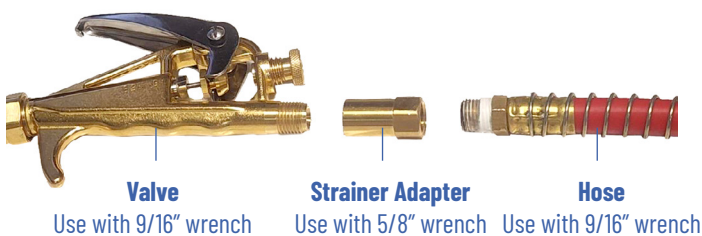
BEFORE USE

First Use: Assemble Sprayer

- Find parts inside box and inside sprayer tank.
- Attach straps to tank.



- **IMPORTANT!** Connect hose to output fitting on backpack sprayer using two wrenches: a 7/16" wrench on the output fitting and a 9/16" wrench on the hose swivel. **DO NOT ATTEMPT WITHOUT WRENCHES** as there is a risk of the output fitting spinning and causing damage to the internal hose. Once tightened, the hose should not swivel.



- Connect strainer adapter to the Extenda-Ban Valve using a 5/8" wrench on the adapter and 9/16" wrench to hold the valve.
- Connect hose to strainer adapter on the Extenda-Ban Valve using 9/16" wrench on the hose hex fitting and a 5/8" wrench on the adapter.
- Plug the provided power supply into a power source.
- Plug the battery into the provided power supply until the battery is fully charged. The red light on the charger indicates that the battery is charging. Once it turns green it is fully charged (approximately 5 hours). One full battery charge yields approximately 4 hours of continual use.

Inspect

- Before each use, inspect the straps, battery, hose, lid gasket, discharge hose, valve, and nozzle for signs of wear or damage. These parts must be in full working condition to operate the sprayer.

Fill

- Never fill with hot (greater than 85°F/29°C) liquids.
- Mix all insecticides according to label directions.
- Mix liquid solution in a separate container.
- Remove the cap and pour through the intake filter.
- Replace the tank cap; tighten the cap until snug (do not overtighten).

Tip Pattern

- Choose the tip pattern appropriate for your application, cone, which provides a mist, or jet, which provides a stream.
- Comes standard with AV-210 which yields a flow rate of 9-34 ounces/minute dependent on nozzle setting (pattern) and pressure. Flow rate may vary with different nozzles.

OPERATION

1. Open the battery compartment door on front of unit to insert battery. Make sure the battery is fully seated and the door.
2. To have continual pressure at the highest setting, press the on/off toggle switch to on.

3. For variable pressure, leave the red switch in the "OFF" position. Use the silver pressure control knob to regulate pressure/flow rate. Unit is capable of achieving flow rate of 0.05 - 0.9 gallons/minute (5-115 ounces/minute).
4. Place sprayer on back, wear like a backpack.
5. Aim the wand/nozzle at the area to be treated. When using outside, the spray valve/lance must be directed downwind of the operator.
6. Squeeze the valve grip, liquid will exit in the pattern associated with the tip pattern selected earlier.

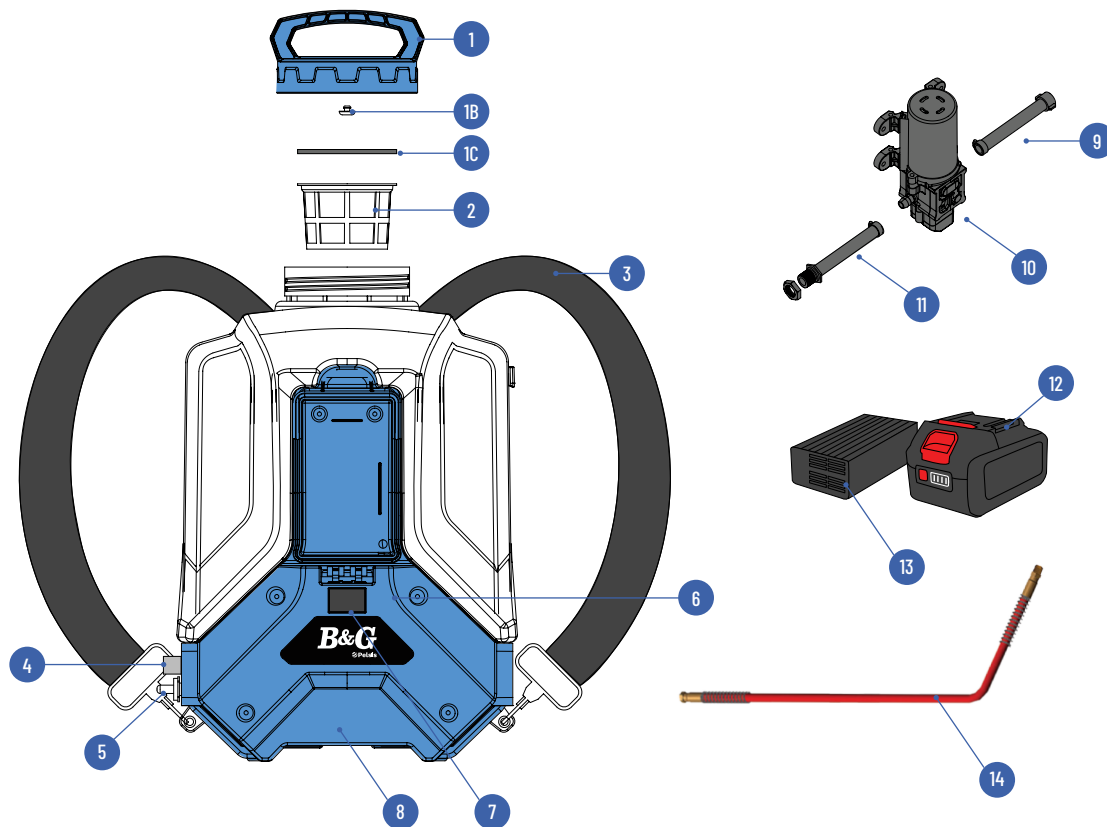
CARE, MAINTENANCE, AND REPLACEMENT PARTS

- Always empty and flush tank, valve, and extension with clean water after each use; never leave chemicals in machine for extended periods of time. Empty sprayer by spraying through the valve/lance. Do not turn the sprayer upside down to empty contents. Expel all chemicals per disposal instructions in chemical label.
- Do not use bleach or ammonia-based cleaners, these will damage brass parts.
- Do not store in freezing temperatures.
- After rinsing the tank with water, pressurize the tank and flush the valve and hose.
- Inspect hoses and hose connections, gaskets, washers and other fittings for wear; replace when necessary.
- Do not use metal objects to clean the orifices in the nozzle, this will disrupt the liquid spray pattern and risks damaging the nozzle.
- Use the B&G Cleaning Kit (#22049625/1108004820) for regular maintenance.

TROUBLESHOOTING

Problem	Solution
Pump continues to run without trigger depressed.	Tighten hose or valve connections.
Holds pressure but will not spray.	Nozzle clogged, clean with a soft brush.
Hose leaks at tank fitting.	Replace hose washer.
Valve body leaking.	Refer to valve's troubleshooting.
Tip Leaking.	Refer to valve's troubleshooting.

BACKPACK SPRAYER PARTS



ITEM #	DESCRIPTION
1	Tank Lid with Check Valve & Gasket
1B	Tank Lid Check Valve
1C	Tank Lid Gasket
2	Strainer Filter
3	Padded Shoulder Straps
4	Pressure Control Knob
5	On/Off Switch
6	Pump Filter (not pictured)
7	Battery Indicator Display
8	Base Housing
9	Internal Hose: Tank to Pump Input
10	Pump
11	Internal Hose: Pump Output to External Hose
12	Battery (21V, 5.2Ah)
13	Charger
14	48" Red Hose

Scan QR Code
for the
[Extenda-Ban User
Guide Addendum:](#)



ELECTRICAL SPECIFICATIONS

Pump

Voltage	18-21V
Amps	1.6A

Battery

Voltage	21V
Amp Hour	5.2Ah
Watt Hour	96.2Wh

Battery Charger

Input Frequency	50-60Hz
Input Voltage	110-240V
Output Voltage	21V
Output Current	1.0A

WARRANTY

Pelsis products are designed and manufactured to the highest standards and deliver high-quality performance, ease of use and ease of installation. If you encounter any difficulties while using your product, we recommend that you first consult the user manual or the information in the support section of our website. In the unlikely event of a fault, please contact your retailer or distributor for further warranty information.

Any warranty claims must be supported by proof of purchase within the warranty period (product dependent), the following exclusions apply:

- Normal wear & tear.
- Damage caused by abuse, misuse, alterations or by not completing the recommended maintenance.

This warranty does not affect your statutory rights.

CONTACT

Contact your local distributor or Pelsis country-specific location for information on spares and service.

US: B&G Equipment, 135 Region South, Jackson, GA, 30233, USA

Contact Number: 1-800-544-8811

Email Address: CustomerService@BGEquip.com

UK: Pelsis Ltd, Sterling House, Grimbald Crag Close, Knaresborough, HG5 8PJ, UK.

Contact Number: +44 (0) 800 988 5359

Europe: Pelsis Belgium NV, Industrieweg 15, 2880, Bornem, Belgium.

Contact Number: +32 (0) 3 886 22 11

All Other Countries: B&G Equipment, 135 Region South, Jackson, GA, 30233, USA

Contact Number: 1-678-688-5601

Email Address: CustomerService@BGEquip.com