

Making Your Job More Enjoyable

VCB Series

Portable Backpack Cleaning Machine



VALUE Mechanical & Electrical Products CO., LTD

Add: No 5, 3rd. Street, East Industrial Park, Wenling, Zhejiang, China

Tel: +86-576-86191959

Email: value@worldvalue.cn

www.worldvalue.cn

Ver. No.: Y2025M12

VALUE • Quality Assurance

CONTENTS

1. Preface	01
2. Product Description	02
3. Technical Parameters	02
4. Operation Instructions	03
5. Common Troubleshooting.....	07
6. Maintenance and Care.....	08
7. Service	08



VCB-1Li
Instructional Video

1. Preface

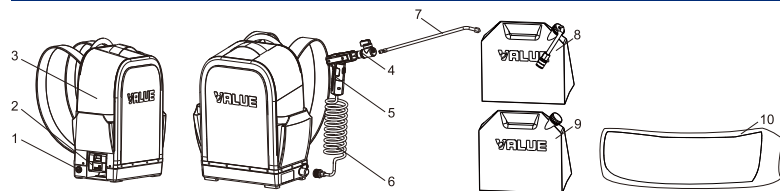
Dear Customer:

Thank you for choosing our products. We believe your choice will bring you enjoyable living experiences. Please read this manual carefully before use to avoid hazards or unnecessary losses.

Notice

- Do not pour strongly acidic or alkaline liquids into the water tank;
- Do not clean with strongly acidic or alkaline liquids such as strong acids;
- Do not use flammable or explosive liquids;
- Do not pump hot water above 60°C or dirty water;
- Do not use in environments at or below 0°C;
- Do not use in any environment that may cause explosions;
- Do not operate the machine lying on its side;
- Never immerse the machine in water;
- Never modify or use batteries from other brands;
- Never operate the machine without installing the filter; filter mesh density ≥ 60 mesh;
- If the cleaner has not been used for a long time and has poor water absorption, fill the water tank with water, invert it to inject water into the inlet pipe;
- After using the cleaner, open the spray gun switch and operate for a few seconds to drain water from the pipeline;
- To avoid electric shock hazard, do not turn on or operate this machine outdoors during rain or thunderstorms;
- Keep the machine dry during use and avoid oil contamination;
- When cleaning, maintaining, or replacing parts, disconnect the power supply to prevent accidents;
- When operating the cleaner, do not spray liquid directly onto equipment containing electrical components;
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved;
- Children shall not play with the appliance;
- Cleaning and user maintenance shall not be made by children without supervision;
- Prevent foreign objects from entering quick connectors, nozzles, etc., to avoid jamming or damage.
- Keep the button battery for the spray gun switch out of reach of children to prevent accidental swallowing.

2. Product Description



1	Switch	3	Backpack	5	Spray Gun	7	Extension Rod	9	Water Tank Assembly II
2	Battery	4	Nozzle	6	Spring Hose	8	Water Tank Assembly I (Includes filter mesh, water hose, quick connector)	10	Cleaning Cover

Configuration

Model	Main Unit(1)	Spray Gun(1)	Water Tank(2)	Extension Rod(1)	Cleaning Cover(1)	Battery(1)
VCB-1	√	√	√	√		
VCB-1Li	√	√	√	√		√
VCB-1S	√	√	√	√	√	√

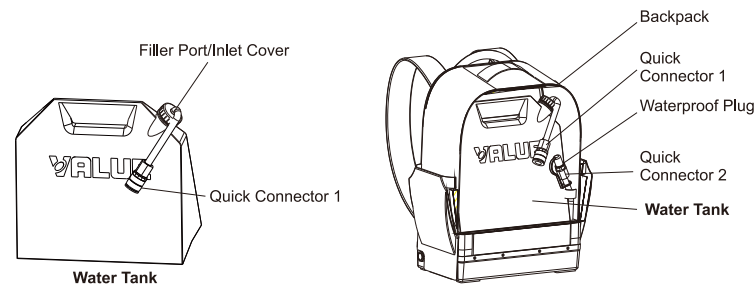
3. Technical Parameters

Model	VCB-1	VCB-1Li	VCB-1S
Voltage	20V Max		
Running Time	70 min		
Charging Time	≤150min @ 35W fast charging		
Pressure Settings	Two adjustable levels (high/low)		
Cleaning Pressure	4.5 bar / 6.5 bar		
Protection Pressure	9~10 bar		
Maximum Flow Rate	1.8L / min		
Operating Environment	0~50 °C		
Water Inlet Temperature	5~50 °C		
Dimensions	175x330x460 mm		
Weight	5.4 kg	6.1 kg	7.4 kg

4. Operation Instructions

4.1 Water Tank Installation

- 1) Remove "Water Tank Assembly" from backpack;
- 2) Open "Inlet Cover" to fill with water;
- 3) After filling water tank, securely close "Inlet Cover";
- 4) Place water tank into "Backpack";
- 5) Open "Waterproof Plug";
- 6) Connect "Quick Connector 1" and "Quick Connector 2" properly.

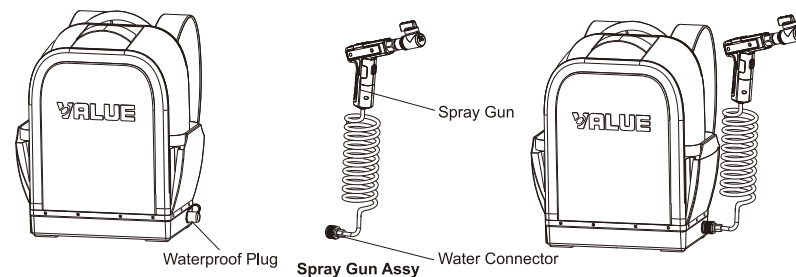


Note:

1. Water cover must be tightly closed to prevent water leakage and inconvenience;
2. Inlet hose filter end must be immersed at bottom of water tank, otherwise affects water output performance.

4.2 Spray Gun Installation

- 1) Remove "Spray Gun Assembly" from backpack;
- 2) Open "Waterproof Plug";
- 3) Connect spray gun assembly "Water Connector" with main unit by pushing together.

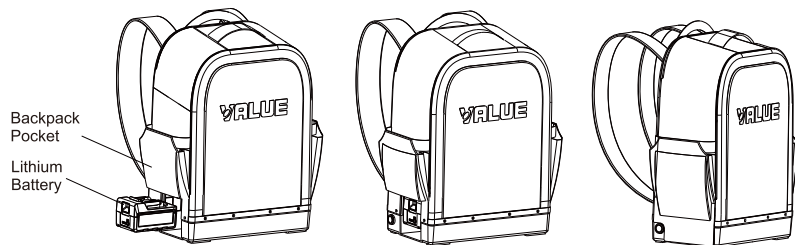


Note:

1. Water connector must be pushed fully into position and ensure secure locking to prevent clip disengagement and water splashing during operation;
2. Each machine undergoes water testing before leaving factory. Minor residual water inside is normal phenomenon.

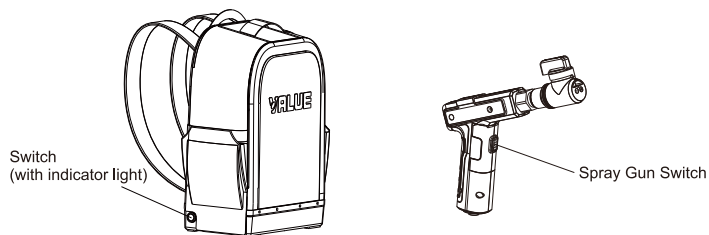
4.3 Lithium Battery Installation

- 1) Remove "Lithium Battery" from backpack;
- 2) Open left side "Backpack Pocket";
- 3) Insert lithium battery into "Battery Base";
- 4) Close backpack pocket cover.



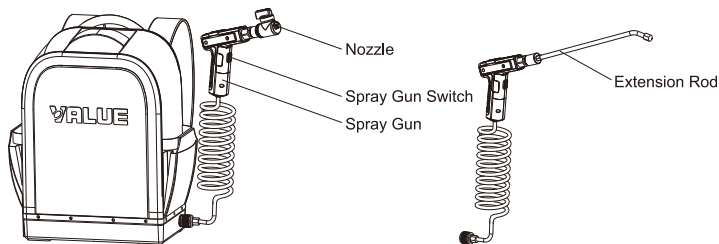
4.4 Cleaning Instructions

- 1) Press main unit switch (hold for over 1s);
- 2) Main unit switch indicator illuminates, emits "beep-beep-beep" sound, unit starts.



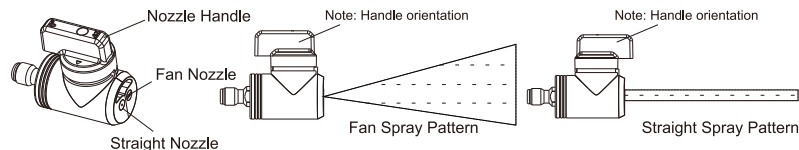
- 3) Press spray gun switch to begin cleaning work

- ☐ a. Close-range cleaning: Use "Nozzle" module for cleaning work;
- ☐ b. Long-range cleaning: Use "Extension Rod" module for cleaning work.



- 4) Nozzle usage method: Rotate "Nozzle Handle" clockwise to achieve two cleaning modes - fan spray and straight spray (factory default: fan spray mode).

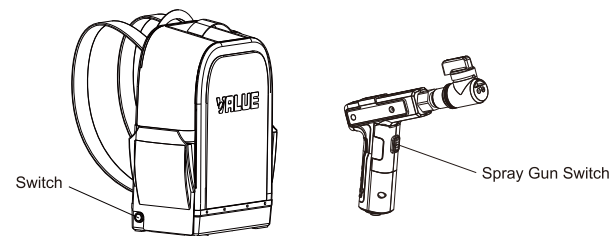
Fan spray: 25° orientation toward nozzle direction for fan spray;
Straight spray: 0° orientation toward nozzle direction for straight spray.



- 5) Level adjustment: Cleaner defaults to high level. Long press "Spray Gun Switch" over 1s to switch levels (level memory function included).

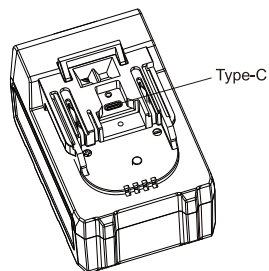
4.5 Function Description

- 1) Power-on
Press power switch (hold over 1s), indicator illuminates simultaneously, "beep-beep-beep" sound after 1s indicates successful power-on.
- 2) Power-off
Press switch during operation (hold over 1s), indicator extinguishes, simultaneous long "beep~" tone indicates successful power-off.
- 3) Low Battery Alert
a. Sound alert: During operation, when lithium battery below 20%, emits two long "beep~ beep~" tones every two minutes;
b. Indicator alert: Lithium battery module (4 indicator lights), fewer illuminated lights indicate lower battery level.
- 4) Spray Gun Switch Deactivation
Rotate nozzle handle to middle position (neither straight nor fan spray), if not rotated to straight/fan position within 5S, spray gun switch deactivates.
- 5) Auto Power-off
During operation: If spray gun inactive over 10 minutes, device automatically powers off, indicator extinguishes, simultaneous long "beep~" tone alerts.
- 6) Switch Pairing
Cleaner completes host-spray gun switch pairing before leaving factory. For re-pairing, long press power switch (>10s), LED flashes, simultaneous "beep~" tone indicates pairing mode. Then long press spray gun switch (>1s), "beep~" tone appears, LED extinguishes, indicating successful pairing. System automatically exits pairing mode.



4.6 Lithium Battery Charging

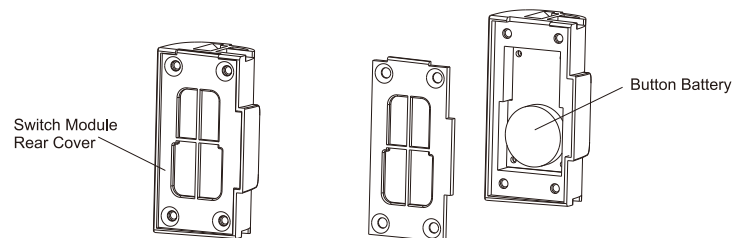
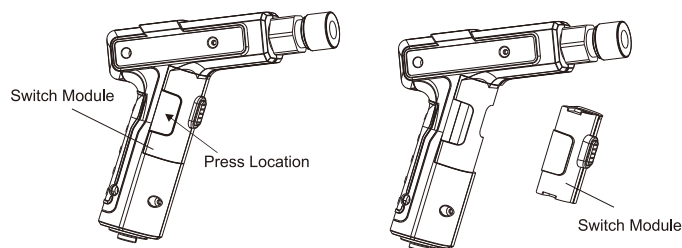
Insert charging cable into Type-C charging port for charging.



- 1) Use high-quality, certified chargers and cables, choose reputable brand products with clearly labeled electrical parameters;
- 2) To increase charging speed and reduce charging time, use chargers supporting fast-charge protocols. Battery supports maximum 35W charging power;
- 3) Charge in safe, suitable temperature (0~40°C), ventilated environment;
- 4) Avoid prolonged storage at full charge or depleted charge. Optimal storage charge range for long periods is 50%~80%;
- 5) Remain vigilant, monitor charging status and abnormalities. Stop charging if abnormalities occur;
- *6) Can also use VALUE VAC-1 and VAC-1E charger for charging.

4.7 Spray Gun Button Battery Replacement

- 1) Press thumb on arrow position to eject switch module;
- 2) Unscrew 4 screws on switch rear cover;
- 3) Replace button battery;
- 4) Reassemble switch module, ensure seal lies flat, prevent water ingress due to poor sealing;
- 5) Insert switch module into spray gun.



5. Troubleshooting

Fault	Cause	Solution
Machine unresponsive	1. Power not connected 2. Circuit fault 3. Controller fault 4. Ambient temperature below 0°C	1. Connect power/battery dead 2. Repair circuit (professional after-sales) 3. Replace spray gun switch module 4. Internal ice formation, raise ambient temperature
Leakage at connection points	1. Water pump inlet/outlet nuts not tightened 2. Adapter zip tie not secured firmly 3. Water tank and water pump connector not secured firmly	1. Tighten nuts 2. Replace zip tie, secure firmly 3. Connect connector securely
Low pressure	1. Air in water hose 2. Inlet blocked 3. Inlet/outlet hose bent 4. Foreign object entered	1. Remove nozzle/spray gun assembly, operate for over 5s to purge air 2. Clean filter screen 3. Check for bends 4. Clean internal foreign objects
Machine starts, no water output	1. Pump, hose frozen 2. Filter screen clogged or poor water intake 3. Water tank quick connector not connected to pump quick connector 4. Nozzle clogged 5. Excessive impurities in water 6. Spray gun button battery low 7. Cleaner unused for long time 8. Nozzle switch not set to straight or fan spray position	1. Wait for pump, pipes to warm up 2. Clean filter screen 3. Connect water tank quick connector to pump quick connector properly 4. Clean nozzle 5. Replace with clean water 6. Replace button battery 7. Fill water tank with water, invert to inject water into inlet pipe 8. Set nozzle switch to straight or fan spray position

6. Maintenance

- Machine cannot be stored below 0°C. Since machine and internal pipes contain water, storage below 0°C will cause internal ice formation, damaging machine components;
- Disconnect power before cleaning;
- During cleaning, use soft cloth moistened with neutral cleaner to wipe backpack surface;
- All electrical components must not contact water.

7. Service

8.1 Warranty Coverage

Products are warranted for 1 year from manufacturing date due to inherent quality issues. Warranty coverage as follows:

1. Products confirmed by qualified inspection agencies as having manufacturing defects;
2. Products not disassembled or modified by individuals or unauthorized organizations;
3. Products used correctly - operated according to Operation Manual. All warranty services must be performed within warranty period.

Correct disposal of this product:

This symbol indicates that this product should not be disposed of together with other household waste.

To prevent uncontrolled waste disposal that may cause harm to the environment or human health, please use return and collection systems or contact the retailer from whom the product was purchased. They can ensure this product is recycled in an environmentally safe manner.

[illegible]