XHD LITHIUM CORDLESS SPRAY GUN 18V - BARE TOOL



XHD19

OPERATORS MANUAL

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Note

This manual is for your reference only. Due to the continuous improvement of the XHD Lithium products, changes may be made at any time without obligation or notice.

Thank You

For the purchase of this XHD Lithium product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

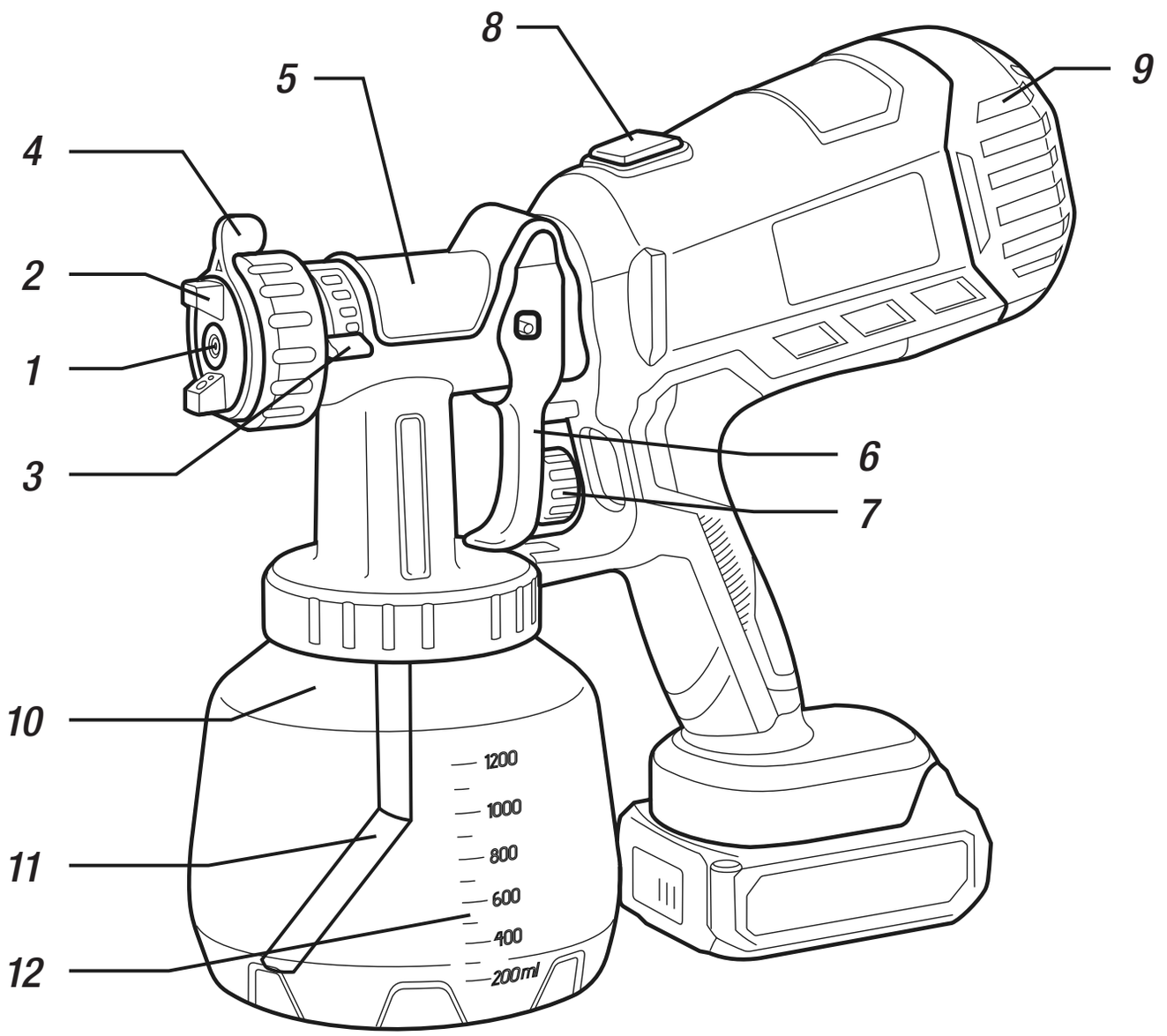
SPECIFICATIONS

Battery Voltage	18 V D.C.
Motor	150 Watts
Maximum Flow	700ml/min
Speed	40,000RPM
Nozzle Size	1.5mm | 1.8mm | 2.2mm
Maximum Viscosity	30–50DIN-s
Paint Container Capacity	1.2 Litres
Net Weight	1.2 kg

Intended Use

This cordless Spray Gun is intended for small-to-medium-sized painting projects, and quick, portable touch-ups, enabling consistent finishes on surfaces like furniture, fences, and detailed trim without needing a compressor or power cord.

PRODUCT IDENTIFICATION



1 Spray Gun Nozzle
2 Air Cap
3 Tip Collar
4 Spray Width Control Lever
5 Spray Gun Assembly
6 1.5mm Nozzle Tip (White)
7 On/Off Trigger Switch
8 Quick Release Knob
9 Air Vent
10 Paint Container
11 Suction Tube (Inside)
12 Liquid Volume Meter
13 Spray Gun Value

SAFETY GUIDELINES

⚠ WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that can create an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and anything else that could be of risk, away from moving parts in the machine, or they could become caught therein.
- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust inhalation, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before doing any maintenance or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from your local distributor
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with this power tool and machinery.** Failure to do so could result in accident or injury, or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.

Service

- **Have your tools and machinery serviced by your local distributor with genuine XHD Lithium replacement parts.** This will ensure that the safety of the power tool or machine is maintained.

⚠ WARNING

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Always Use Common Sense

- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advise. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

SAFETY GUIDELINES

Battery Tool Use & Care

- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to the battery pack, picking up, or carrying the machine. Carrying the machine with your finger on the switch or energising a machine that has the switch ON invites accidents.
- Disconnect the battery pack from the machine before making any adjustments, changing accessories, or storing the machine. Such preventive safety measures reduce the risk of starting the machine accidentally.
- Recharge the battery only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use machines only with specific battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or 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 abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush the area with water. If liquid contacts eyes, seek medical help. Liquid ejected from the battery may be acidic and may cause irritation or burns.
- Do not use a battery pack or machine that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion, or risk of injury.
- Do not expose a battery pack or machine to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
- Follow all charging instructions and do not charge the battery pack or machine outside of the temperature range specified in the instructions.
- Charging the battery improperly, or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a local XHD distributor using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the machine or the battery pack except as indicated in the instructions for use and care.

Battery Long Life Tips

- Charge the battery cartridge before it is completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
- Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
- Charge the battery cartridge with room temperature at 10°C – 40°C. Allow a hot battery to cool before charging it.
- Charge the battery cartridge once in every six months if you do not use it for extended periods at a time.

SAFETY GUIDELINES

Paint Sprayer Specific Safety

- Never point the spray gun at yourself, other persons, or animals.
- Only coating material such as paint, enamels, varnishes, etc., with a flash point of 23°C and above, can be sprayed without any additional warming.
- When spraying, make sure there's no source of ignition, such as open fire, cigarettes, cigars, pipes, sparking, glowing wires, hot surfaces, etc., in the area.
- Wear proper PPE breathing protection while spraying.
- Eye protection is recommended to keep hazardous vapours and liquids out of eyes
- Inside and outside care must be taken to make sure that no solvent vapours can be sucked into the device.
- When working outdoors, consider the effect of wind, which will affect the direction of the spray. Take care to protect the hatch of the motor.
- When working indoors, make sure there will be sufficient ventilation.
- Do not spray at the device.
- Do not let children play with this device. Keep it out of reach of children.
- Do not use the device to spray flammable liquids.
- Do not clean the device with flammable solvents.
- Take precautionary measures against potential hazards from the liquid that needs to be sprayed.
- Do not spray any liquid with unknown potential hazard.
- Always read the paint manufacturers thinning instructions before using.
- Never allow the spray to come in direct contact with the skin.
- Never immerse the spray gun in liquid. This could lead to electric shock, personal injury and material damage.
- NEVER spray near a naked flame, including an appliance pilot light.
- NEVER smoke whilst spraying.
- NEVER allow children to operate or play with the spray gun.
- Before cleaning, always disconnect the battery from the tool.
- Always disconnect the battery when refilling the paint pot.
- After every use ensure you clean your spray gun thoroughly.
- NEVER use the spray gun outside when it is raining.
- Always ensure there is adequate ventilation when spraying.

OPERATION

⚠ WARNING

Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking the tool.

Installing or Removing the Battery

- To remove the battery cartridge, slide it from the tool while depressing the button on the front of the cartridge.
- To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator on the upper side of the button, that means it is not locked completely.



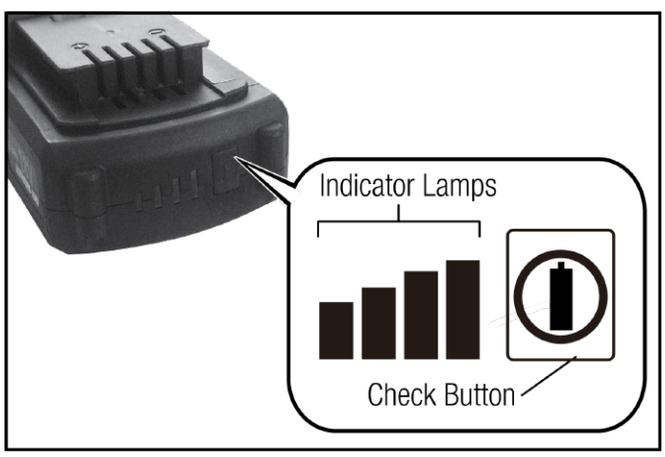
⚠ CAUTION

Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Indicating the Remaining Battery Capacity

- Press the check button on the battery cartridge to indicate the remaining capacity.

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.



INDICATOR LAMPS			REMAINING CAPACITY
LIGHTED	OFF	BLINKING	
■	■	■	75% to 100%
■	■	□	50% to 75%
■	□	□	25% to 50%
■	□	□	0% to 25%
◪	□	□	Charge the Battery.
■ ■ ↑ ↓ □ □	□ □	□ ■	The Battery may have Malfunctioned

OPERATION

Tool/Battery Protection System

- The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions:

Overload Protection

- When the tool/battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat Protection

- When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

Over Discharge Protection

- When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery from the tool and charge the battery.

⚠ CAUTION

Before installing the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

HVLP Procedure

- HVLP (High Volume Low Pressure) is a low pressure spraying technique, which works with a high volume of air and a low air pressure. The greatest advantage of this spraying technique is the low paint mist formation. This reduces the amount required to cover the object to a minimum. As opposed to conventional application of coatings, this method achieves a highly economical and perfect surface quality and is, at the same time, environmentally friendly.
- The paint spraying system includes a motor-driven turbo-blower that supplies atomisation air to the spray gun. Inside the spray gun, some of this air is used to pressurise the container, which pushes the coating material up through the uptake pipe to the nozzle. At the nozzle, the remaining atomisation air disperses the material into a fine spray.
- All settings necessary for operation (e.g. material volume) can be conveniently changed, directly on the gun.

Coating Materials Suitable for Use

- Solvent-based and water-soluble lacquer paints Mordants, glazes, impregnations, oils, clear varnishes, synthetic enamels, coloured paints, alkyd resin varnishes, primers, radiator paints, hammer effect enamels, anti-rust paints, special-effect paints, lectured paints.

OPERATION

Coating Materials Not Suitable for Use

- Materials that contain highly abrasive components, facade paint, caustic solutions, acidic coating substances, flammable materials.

Coating Materials that Can Only be Processed with Relevant Spray Attachments

- Interior wall paint (dispersions, latex paint).

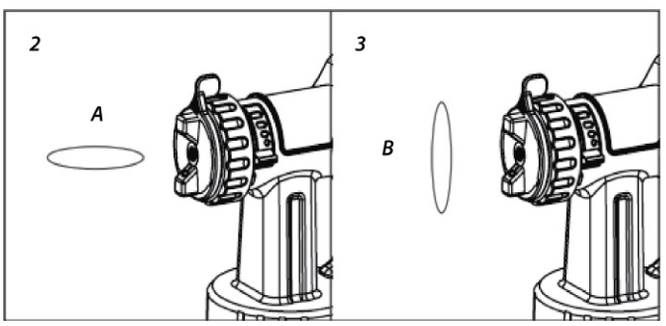
Preparing the Coating Material

Coating Material Purity:

- An absolute pre-condition for the trouble-free operation of the fine-spray system is that the coating material is uncontaminated.
- If you have doubts as to the purity of the coating material, we recommend that you first filter it through a fine sieve.

Setting the Required Spray Pattern

- The alignment of the spray jet can be determined by turning the air cap.



- **A: Horizontal Flat Jet** = for vertical surfaces.
- **B: Vertical Flat Jet** = for horizontal surfaces.
- It is also possible to switch between a wide and compact spray jet by adjusting the lever.

Setting the Amount of Material

- The material volume can be adjusted incrementally by turning the material volume control.

Align the Feed Tube

- If the feed tube is positioned correctly, the container contents can be sprayed without almost any residue.

When working on objects lying down:

- Turn the feed tube forwards.

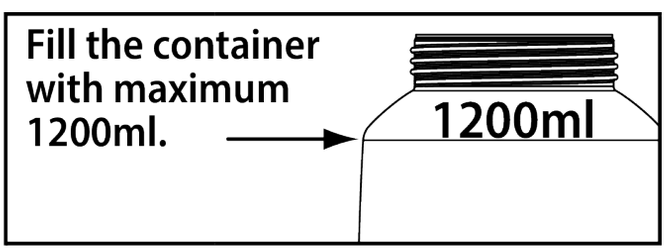
Spraying work when working on overhead objects:

- Turn the feed tube rearwards.

OPERATION

Starting Operation

1. Unscrew the container from the spray attachment.
2. Pour in the prepared coating material.
3. Align the feed tube.
4. Screw the container firmly onto the spray attachment.
5. Connect the spray attachment.
6. Connect the sprayer to the battery.
7. The device is now ready for operation.



Spraying Technique

NOTICE

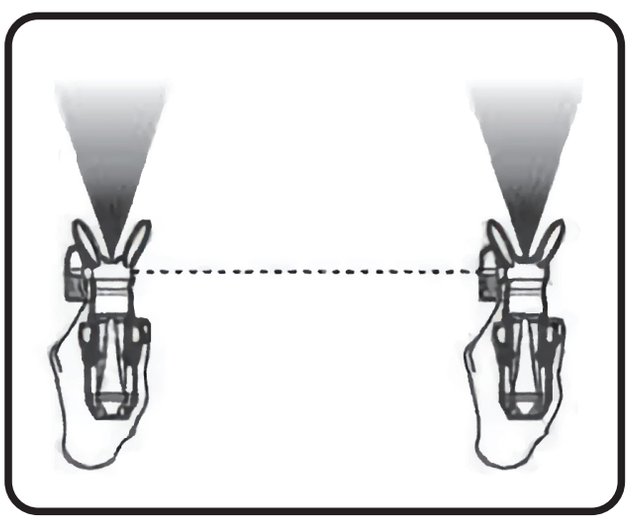
The spray gun has a trigger with 2 pressure points. The turbine is started via the first pressure point. When the trigger is pressed further, the material is then dispersed.

- Operate the trigger on the spray gun.
- Test spray a piece of cardboard to ensure correct setting of the spray pattern, spray jet width, material, and air volume.
- Hold the paint spray gun upright and maintain a constant distance of about 3–20cm to the object being sprayed.
- Move the paint spray gun evenly either from side to side or up and down. If the gun is moved evenly, it will produce an even surface finish.
- Always start spraying away from the object and avoid stopping spraying whilst still on the object.
- In case of excessive paint mist formation, adjust the air and material flow respectively and alter your distance from the object.

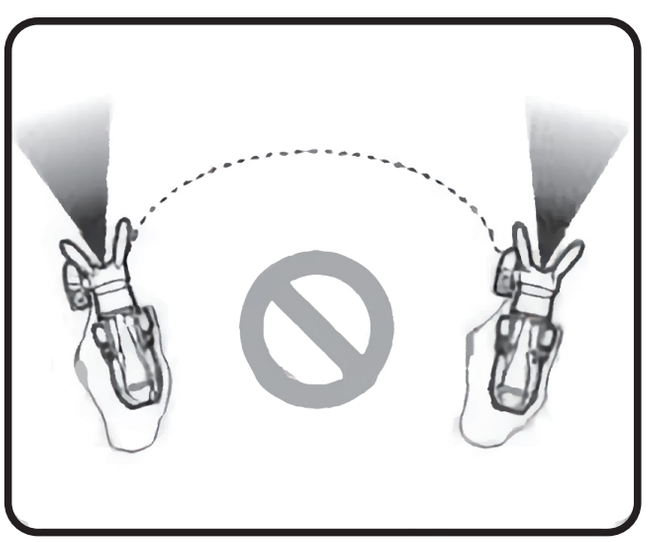
OPERATION

Painting Techniques

- Keep the gun approximately 300mm (1 Foot) from the surface you are painting.



- Keep gun straight and move your arm across at a steady rate while staying one foot from the surface.



Pausing While Working

- Disconnect the battery.
- During longer breaks, vent the container by briefly opening and then closing it again.
- Clean the nozzle openings after an interruption in operation.

NOTICE

If using quick-drying or two-component coating materials, do not fail to rinse the unit through with a suitable cleaning agent during the processing period.

MAINTENANCE

- Before cleaning or performing any maintenance, you must ensure the tool is switched off and disconnected from the power supply.
- Compressed air is the most effective way to clean this tool. Always wear PPE safety goggles when cleaning tools with compressed air.
- Ventilation openings and switch levers must be kept clean. DO NOT attempt to clean by inserting pointed objects through openings.
- Do not use harsh chemicals or solvents when cleaning this tool.
- If you discover any damaged or broken parts, consult your local XHD distributor for replacements and advise.

Battery Disposal

- Batteries and electronics should not be disposed of in household garbage. Please return your old batteries to your local distributor for safe and environmentally friendly disposal.
- Together, we can care for the environment.

Environment & Disposal

- Packaging materials are raw materials and can be re-used. Separate the different packaging materials and take them to the appropriate waste disposal facility. More information can be obtained from your local authorities.
- Old machines do not belong in your household garbage! Dispose of old machines appropriately, we are all responsible for the environment.

⚠ WARNING

Always be sure that the tool is switched off and the battery removed before attempting to perform any inspection or maintenance.

Cleaning

- Disassemble the spray gun. Press the click & paint catch and twist it to the unlock point. Remove the spray attachment out from the main body.
- Unscrew the container.
- Empty the remaining coating material into the original container.
- Pre-clean the container and feed tube using a brush and suitable cleaning agent.
- Clean the ventilating bore.
- Fill the container with a non-flammable solution/water. Screw the container back on.
- Do not spray flammable materials for cleaning purposes.

⚠ WARNING

Never hold the spray gun rear part under water or immerse it into liquids. Clean the housing only with a moistened cloth.

TROUBLESHOOTING

FAULT	*POSSIBLE CAUSE*	*SUGGESTED SOLUTION*
Little or No Material Flow	Nozzle clogged	Clean the nozzle with the supplied needle clean-out tool.
	Suction tube clogged	Clean the suction tube with the supplied cleaning brush.
	Material volume setting turned too low	Increase the spray amount by adjusting the flow control knob.
	Suction tube loose	Tighten the suction tube.
	No pressure build up in container	Tighten the paint container.
	Air filter clogged	Clean the air filter.
Material Leaking	Nozzle is loose	Insert the nozzle tip securely.
	Nozzle is worn	Replace the nozzle.
	Suction tube loose	Tighten the suction tube.
	Material builds up and blocks the air cap and nozzle	Clean the blocked air cap and the nozzle.
The Spray is Not Fine	Viscosity of material is too high	Thin the material properly.
	Spray tip orifice is too large	Change to a smaller nozzle tip.
	Material volume setting is too high	Decrease the spray amount by adjusting the flow control knob.
	Nozzle clogged	Clean the nozzle with the supplied needle clean-out tool.
	Air filter clogged	Clean the air filter.
	Too little pressure build-up in container	Tighten the paint container.
Cannot Generate Continuous Spray	Material in the spray container is running out	Refill the container.
	Air filter is clogged	Clean the air filter.
Paint Runs or Drips on the Surface	There's too much paint applied on the surface	Decrease the spray amount by adjusting the flow control knob.
		Move faster with the sprayer.
Too Much Overspray	The sprayer is too far from the surface	Reduce the distance.
	There's too much paint applied on the surface	Decrease the spray amount by adjusting the flow control knob or move quickly with the sprayer.
Paint is Light and Not Even on the Surface	The sprayer is moved too fast during spraying	Increase the spray amount by adjusting the flow control knob with the sprayer.