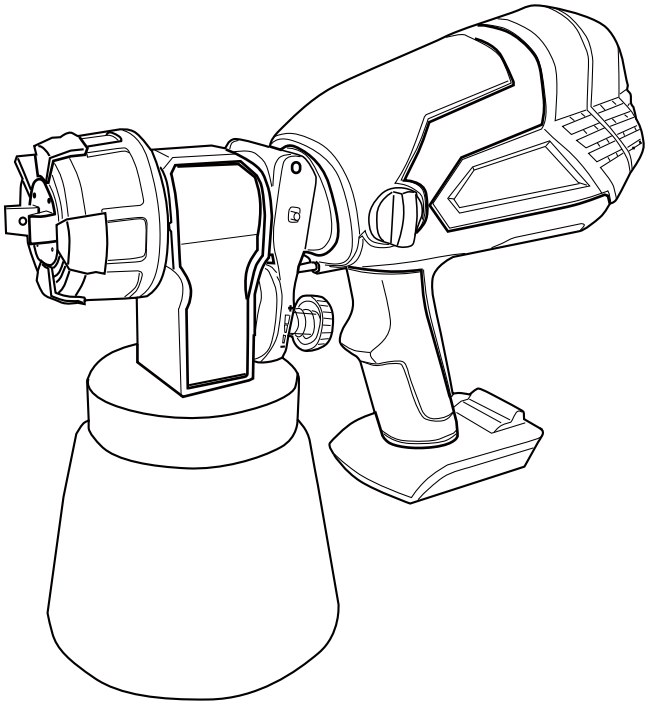
RYOBI®

XSG-18

GB OWNER'S OPERATING MANUAL



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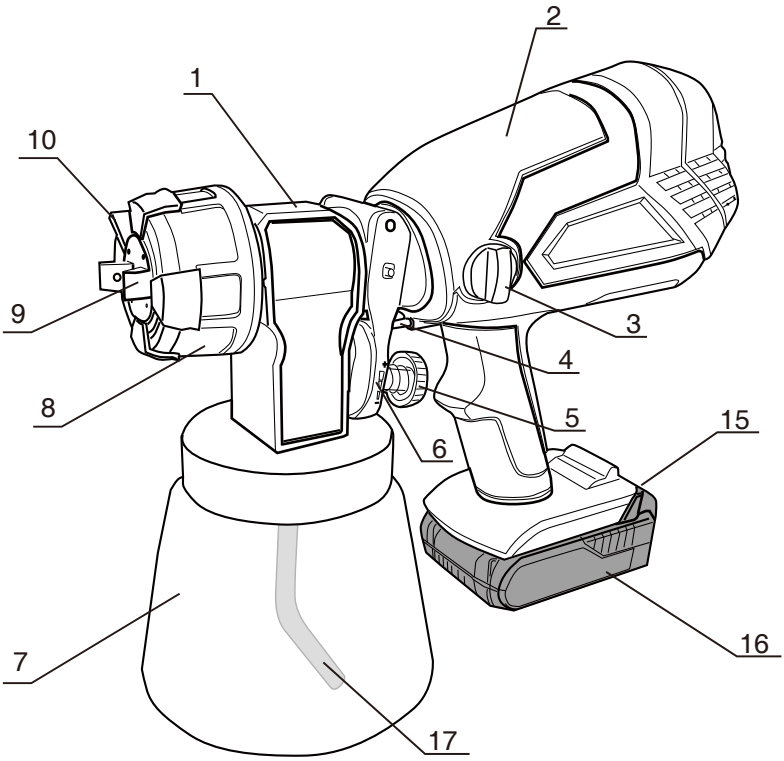
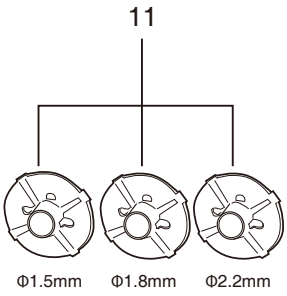
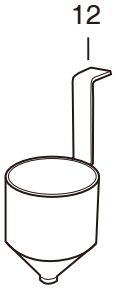
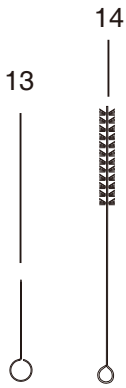
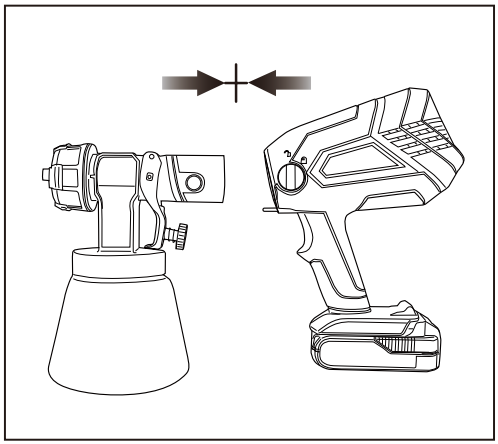








* Battery pack (16) not included



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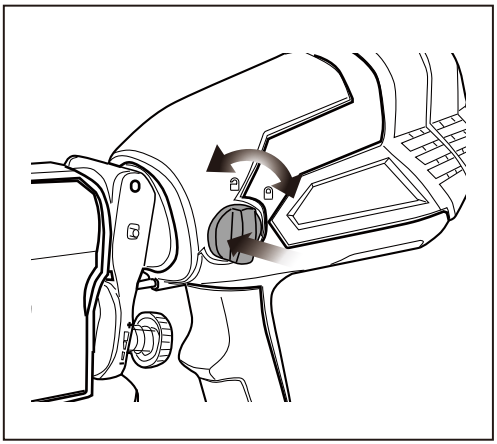

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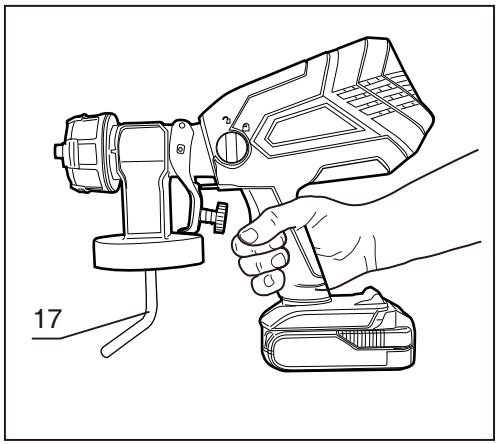

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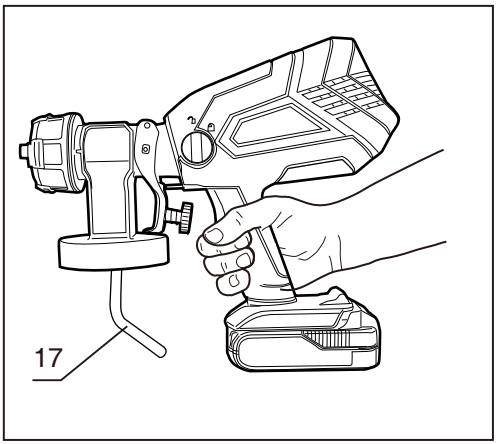

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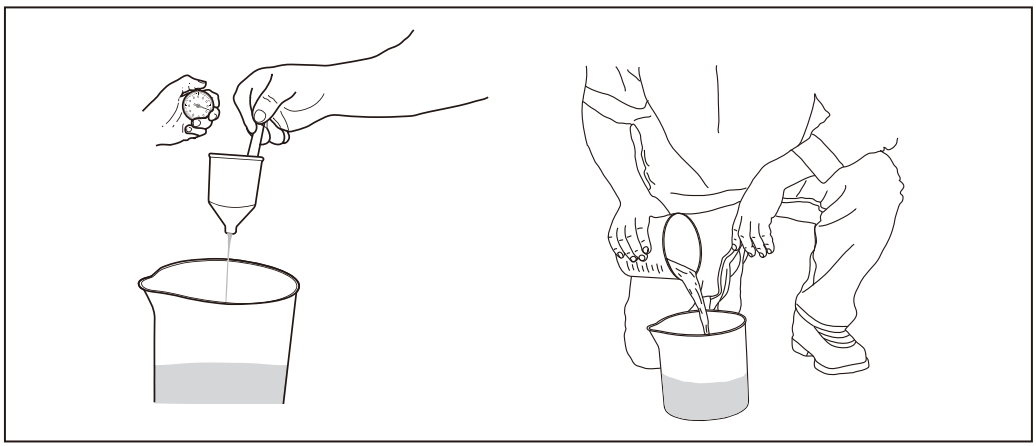

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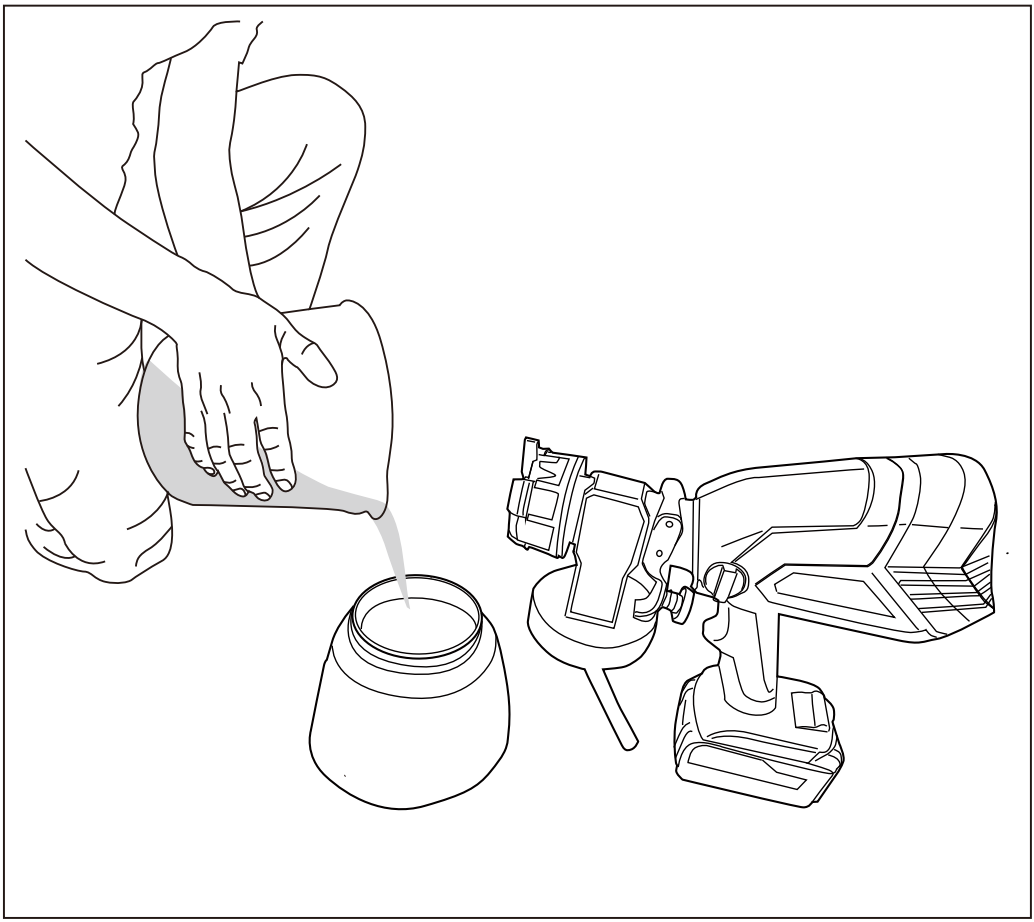

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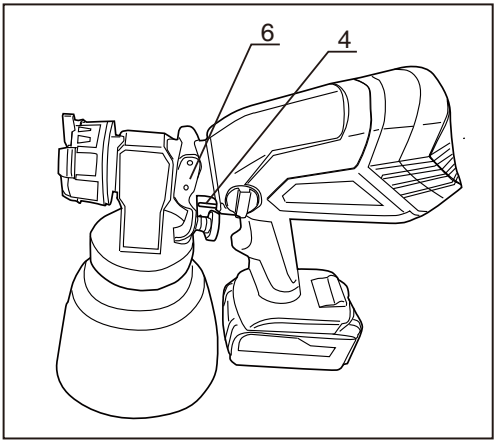

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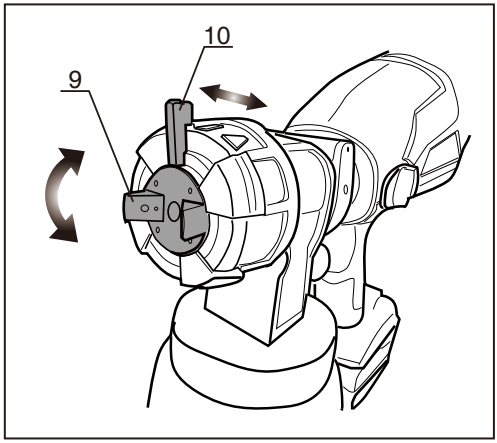

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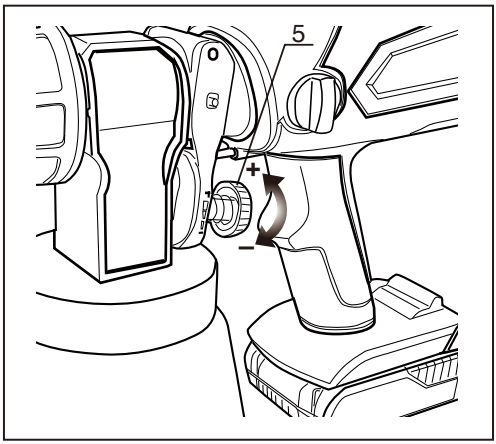

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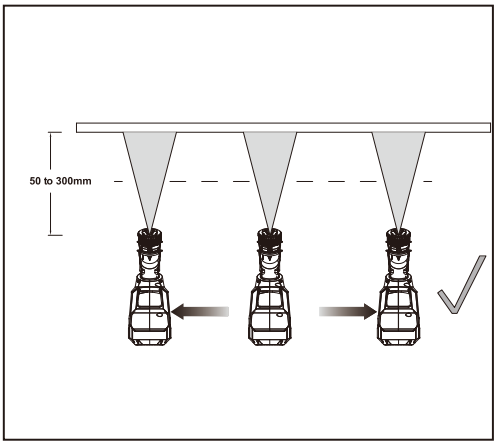

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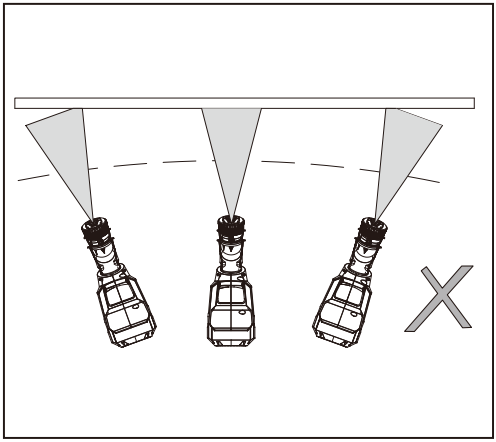

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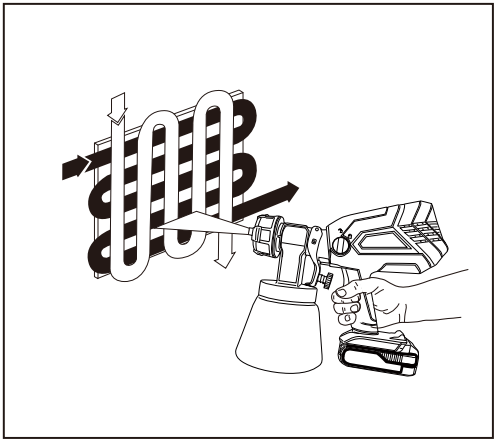

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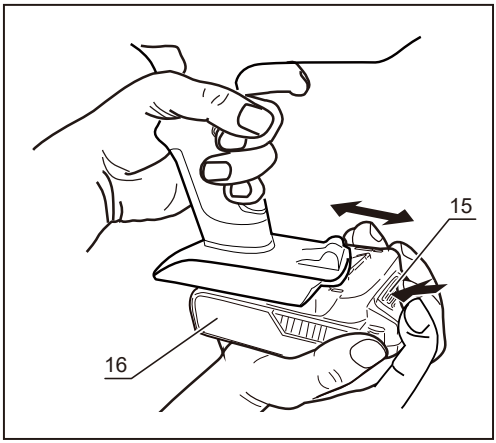

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THANK YOU FOR BUYING A RYOBI PRODUCT.

To ensure your safety and satisfaction, carefully read through this OWNER'S MANUAL before using the product.

General Power Tool Safety Warnings

⚠ **WARNING! Read all safety warnings and all instructions.**

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) **Work area safety**

- **a) Keep work area clean and well lit**. Cluttered or dark areas invite accidents.
- **b) Do not operate power tools 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.
- **c) Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) **Electrical safety**

- **a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **c) Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **e) When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) **Personal safety**

- **a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **b) Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **d) Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **e) Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

4) **Power tool use and care**

- **a) Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- **b) Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- **f) Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

5) Battery tool use and care

- **a) Recharge 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.
- **b) Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **c) When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, 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.
- **d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

6) Service

- **a) Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

INSTRUCTIONS FOR SAFE HANDLING

1. Make sure that the tool is only connected to the voltage marked on the name plate.
2. Never use the tool if its cover or any bolts are missing. If the cover or bolts have been removed, replace them prior to use. Maintain all parts in good working order.
3. Always secure the tool when working in elevated positions.
4. Never touch the blade, drill bit, grinding wheel or other moving parts during use.
5. Never start the tool when its rotating component is in contact with the work piece.
6. Never lay the tool down before its moving parts have come to a complete stop.
7. **ACCESSORIES :**
   The use of accessories or attachments other than those recommended in this manual might present a hazard.
8. **REPLACEMENT PARTS :**
   When servicing use only identical replacement parts.

CORDLESS SPRAY GUN SAFETY PRECAUTIONS

CAUTION! Danger of injury! Never point the spray gun at yourself or other persons or animals.

1. Only coating materials such as paints, enamels, varnishes, etc, with a flash point of 21°C hand above may be sprayed, without additional warming.
2. The device may not be based in work places which are covered by the explosion protection regulations.
3. When spraying, ensure that there are no sources of ignition, e.g. open fire, cigarettes, cigars, and pipes, sparks, glowing wires, hot surfaces, etc, in the area.
4. Wear breathing protection when spraying.
5. Inside and outside care must be taken that no solvent vapors are sucked into the device.
6. When outdoors observe wind direction. When working indoors ensure that there is sufficient ventilation.
7. Do not spray at the device.
8. The device only splash-proof when the air hose is correctly connected.
9. Do not let children play with the device. Keep out of reach of children.
10. Care must be taken that the mains cable is not damaged. If damage is observed, bake immediately to RYOBI authorized service centre to be changed.
11. Do not use spray guns to spray flammable liquids.
12. Do not clean spray guns with flammable solvents.
13. Take precautionary measures against potential hazards from spray liquid and follow any instructions given on containers or laid down by the manufacturer of liquid.
14. Do not spray any liquids of unknown hazard potential.
15. Forbidden to spray to the hatch of the motor and etc.

EXPLANATION OF THE SYSTEM

The device works according to low pressure spraying technique. A high volume of air surrounds the spray jet being ejected under low pressure. The air cap provides a very fine atomization with the lowest of spray mist .The coating material is applied to the object quickly and exactly. Moreover, the air flow shortens the drying time for the coating material. This gives perfect spraying result with a respective saving of coating material and is therefore good for the environment.

DESCRIPTION

1. Spray gun unit
2. Spray gun body
3. Quick release knob
4. Switch trigger lever
5. Flow control knob
6. On/Off trigger
7. Paint container
8. Tip collar
9. Air cap
10. Spray width lever
11. Nozzle (Φ1.5mm/Φ1.8mm/Φ2.2mm)
12. Viscosity cup
13. Cleaning needle
14. Cleaning brush
15. Battery clip
16. Battery pack (Not included)
17. Suction tube

SPECIFICATIONS

Voltage	18V
Paint cup volume	1000ml
Max. flow	600ml/min
Max. viscosity	85-100DIN-s
Nozzle	Ø1.5/1.8/2.2mm
Net weight	1.1kg

STANDARD ACCESSORIES

Nozzle (Φ1.5mm/Φ1.8mm/Φ2.2mm), Viscosity cup,Cleaning needle, Cleaning brush

COMPATIBLE BATTERY PACK AND CHARGER

BATTERY PACK (not included) XB-1500, XB-3000, XB-4000
CHARGER (not included) XPP-2700, XPP-9000

ASSEMBLY

Warning!

Be sure to use appropriate protective gear and unplug unit.

Warning!

Make sure area is well ventilated and free of flammable vapors.

ATTACHING SPRAY GUN UNIT TO SPRAY GUN BODY (Fig. 1, 2)

1. Insert the spray gun unit (1) fully into the spay gun body(2).
2. Turn the quick release knob (3) to the lock position to secure spray gun unit.

ALIGNING THE SUCTION TUBE (Fig. 3, 4)

When spraying horizontal or low objects turn the suction tube to the front.

When spraying overhead objects turn the suction tube to the back.

PREPARATION

MEASURING THE VISCOSITY (Fig. 5)

Tip: Make sure the type of material you use can be cleaned with either mineral spirits or paint thinner (for oil-based paints) or a warm water and soap solution (for water soluble paints like latex). Use drop cloths during pouring, mixing, and viscosity testing of materials to be sprayed to protect your floors and anything else in the spraying area that you wish to remain untouched.

The liquid being sprayed may need to be thinned (diluted) before starting. When thinning, use the proper liquid thinner recommended on the container by the material manufacturer.

Warning!

Do not use materials with a flashpoint higher tan 60°C (140°F).

A viscosity test cup is provided to determine the“runout time” of the material being used.

- Before measuring for the proper viscosity, stir the material thoroughly.
- Dip the viscosity cup into the material being sprayed and fill the cup completely.
- With the cup held over the material container, measure the amount of time it takes for the stream of material flowing out to “break” or stop being a constant stream out of the bottom of the cup (70 seconds or less) . This is the “runout time”. Refer to the thinning table for information on the thinning required for different materials.
- It is possible to spray latex paint with this unit, however, the required thinning may exceed material manufacturer’s recommendation. Thin latex paint so that it runs through viscosity cup within 70 seconds . The operator should consider the type of application and final location of the project when spraying a material that requires more than 70 seconds to run through the viscosity cup.

OPERATION

PREPARATION TIPS

- Always stir and strain the material thoroughly before use.
- With any spraying job you should always ensure that you have properly prepared the surface to get the best finish. That is, all surfaces are free from dust, dirt, rust and grease. Lightly pressure wash decks or exterior surfaces and ensure that they are dry before spraying.
- Even though HVLP sprayers have very little overspray, it is recommended that you mask all edges and other areas and use drop cloths to protect your floors and anything else in the spraying area that you wish to remain untouched.
- Skin that forms on the top of paint can clog the sprayer. Remove skin before mixing. Strain with a funnel with a filter attached or through hosiery to remove any impurities that could clog system.
- Before starting have gloves, paper towels, rags etc. available for unexpected spills.

FILLING THE PAINT CONTAINER (FIG. 6)

- Check to make sure that the canister is completely screwed onto the sprayer.
- Unscrew the quick refill lid
- Stand the sprayer firmly on an smooth and horizontal surface
- Pour the properly thinned and strained material to be sprayed into the canister (Fig. 6).
- Clean any residual liquid from the threads or sides of the canister and sprayer.
- Starting the threads evenly, screw the lid completely onto the top fill canister. Check the lid to make sure it is threaded on squarely and completely before picking up the sprayer.

ON / OFF TRIGGER (Fig. 7)

Squeeze to press the trigger (6), trigger will actuate the switch inside the tool by the switch trigger lever (4) to turn on the tool. Release the trigger to turn off the tool.

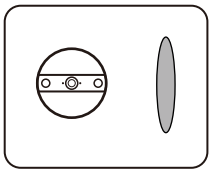
ADJUSTING THE SPRAY PATTERNS (Fig. 8)

There are three spray patterns to choose from:

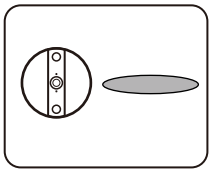
- Vertical Flat Jet

- Horizontal Flat Jet

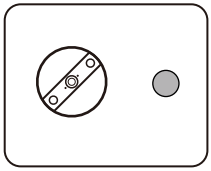
- Circular Jet



For horizontal surfaces use a vertical jet. Turn the air cap into the position shown to the left.



For vertical surfaces use a horizontal jet. Turn the air cap into the position shown to the left.



For corners, edges and other hard to access places use a round jet. Turn the air cap into the position shown to the left.

ADJUSTING AMOUNT OF MATERIAL FLOW (Fig. 9)

The flow control knob (5) regulates the amount of liquid that can be sprayed. Turning the flow knob clockwise increases the flow of liquid. Turning the knob counter anti-clockwise decreases the flow of liquid.

Tip: Always test the spray pattern on scrap cardboard or similar material first. Begin with flow control knob on the highest flow setting. If less flow is desired, dial the flow control knob anticlockwise to decrease the flow of liquid. Heavier, thicker materials should be sprayed with the flow control knob on high flow setting. Thinner materials should be sprayed with the flow control knob on low flow setting.

SPRAYING TECHNIQUE

- Practice spraying on a piece of scrap material such as cardboard to test your spray pattern and become familiar with the flow control feature of the sprayer.
- Ensure surface to be sprayed is free of dust, dirt, and grease.
- Ensure spray area is clean and free of dust that could be blown onto newly sprayed surfaces.
- Cover any areas not intended to be sprayed.
- Always spray from a minimum of 50mm to a maximum of 300mm (Fig. 10).
- A commonly used method for spraying a large surface is the “crisscross” pattern. This is done by spraying in horizontal strips and then crossing over these strips with vertical strips (Fig. 12).
- To get an even spray distribution, always keep your arm at the same distance (Fig. 10) from the surface you are spraying and avoid moving your wrist (Fig. 11).
- Maintain smooth and consistent speed which will help avoid inconsistencies. Begin spraying after the pass has begun and release trigger before stopping the pass.
- Avoid spraying too heavily in any one area. Several lighter coats are better than one heavy coat which can lead to running and dripping. Remember that the flow control knob regulates the amount of liquid that can be sprayed. Turning the flow knob clockwise increases the flow of liquid. Turning the knob counterclockwise decreases the flow of liquid. If runs or drips do occur, have a dry paint brush on hand to smooth them out.

CHARGING BATTERY PACK

Read and follow all warnings and instructions in owner’s manual of the XPP-2700 or XPP-9000.

INSTALLING AND REMOVING BATTERY PACK (Fig. 13)

To install battery pack (16), lock the trigger switch by placing the forward/reverse switch in the center position. Align the body with the groove in the battery pack and push in the direction of the arrow until the battery pack is secured on the tool.
To remove the battery pack from the tool, push the push button (15) on and remove the battery pack in the direction of the arrow.
Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use.
Removing battery pack will prevent accidental starting that could cause serious personal injury.

MAINTENANCE

The spray gun can only operate satisfactorily if it is cleaned and preserved after each use.

Attention!

Never immerse the spray gun in liquid when cleaning.

CLEANING THE SPAY GUN AFTER USE

1. Unscrew the paint container and empty any unused paint or stain to its original container.

   Note: Do not return any paint it has been thinned back into its original container. Dispose it in correct manner or store in a separate container.

2. Fill the paint container with solvent or water.

   Note: Only use solvents with a flash point over 21°C

3. Clean the paint container and suction tube with a brush and then screw the paint container back into the gun.

   Note: Ensure the seal of suction tube is in place before screwing the paint container back onto the spray gun.

4. Plug the spray gun unit back in gun body, and spray the solvent onto a piece of cardboard or other scrap material. Repeat until clear solvent comes out.

5. Remove the paint container and empty any remaining solvent.

   Note: Always keep the container seal free of coating material and check for damage.

6. Clean the outside of the spray gun and paint container with a soft cloth.

CLEANING THE PARTS

1 Unscrew the air cap nut to remove the air cap.

2. Turn the quick release knob to remove the spray gun unit.

3. Remove and dismantle the suction tube by turning clockwise.

4. Dip a cloth in solvent or water and clean the air cap, nozzle, gun housing, rear of the gun unit and suction tube.

   Note: Never clean the nozzle or air holes in the spray gun with shape metal objects as this may cause damage.

5. Take note of the 2 holes on the suction tube, if blocked clean using the provided cleaning needle.

6. Prior to storing the spray gun, ensure it is completely dry.

NOTE: Keep the vents of the spray gun clean at all times. If possible, prevent foreign matter from entering the vents.

If the spray gun body requires cleaning, do not use solvents but a moist soft cloth only. Never let any liquid get inside the spray gun body; never immerse any part of the spray gun into a liquid.

After use, check the tool to make sure that it is in top condition.It is recommended that you take this tool to a RYOBI Authorized Service Center for a thorough cleaning and lubrication at least once a year.
DO NOT MAKE ANY ADJUSTMENTS WHILE THE MOTOR IS IN MOTION.
ALWAYS REMOVE THE BATTERY FROM THE TOOL BEFORE CHANGING REMOVABLE OR EXPENDABLE PARTS (BIT...ETC.), LUBRICATING OR WORKING ON THE UNIT.

WARNING!
To ensure safety and reliability, all repairs should be performed by an **AUTHORIZED SERVICE CENTER or other QUALIFIED SERVICE ORGANIZATION.**

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

NOTE

NOTE

RYOBI POWER EQUIPMENT

WARRANTY

Subject to the warranty conditions below, this RYOBI tool (hereinafter called “the Product”), is warranted by Ryobi (herein called “the Company”) to be free from defects in material or workmanship for a period of 24 months from the date of original purchase covering both parts and labour. Under the terms of this warranty, the repair or replacement of any part shall be the opinion of the Company or its authorised agent. Should service become necessary during the warranty period, the owner should contact the authorised Ryobi retailer from whom the product was purchased, or the nearest Company branch office. In order to obtain warranty service, the owner must include the Sales Docket and Warranty Certificate to confirm date of purchase. This Product is sold by the dealer or agent as principal and the dealer has no authority from the Company to give any additional warranty or guarantee on the Company’s behalf except as herein contained or herein referred to.

Warranty Conditions

This warranty only applies provided that the Product has been used in accordance with the manufacturer's recommendations under normal use and reasonable care (in the opinion of the Company) and such warranty does not cover consumable components, damage, malfunction or failure resulting from misuse, neglect, abuse, or used for a purpose for which it was not designed, or is not suited and no repairs, alterations or modifications have been attempted by other than an Authorised Service Agent. This guarantee will not apply if the tool is damaged by accident or if repairs arise from normal wear and tear.

Accessories such as bits,blades, sanding discs, cutting lines, etc., are excluded from this guarantee. Normal consumable parts, such as carbon brushes, bearings, chucks, cord assembly’s, spark plugs, recoil pulleys and bump head assembly’s are specifically excluded from this guarantee.

The Company accepts no additional liability pursuant to this warranty for the costs of traveling or transportation of the Product or parts to and from the sevice dealer or agent - which costs are not included in the warranty.

Nothing herein shall have the effect of excluding, restricting or modifying any conditions, warranty, right or liability imposed, to the extent only that such exclusion, restriction or modification would render any term herein void.

RYOBI®

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THIS WARRANTY FORM
SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES.

For your record and to assist in establishing date of purchase (necessary for in-warranty service), please keep your purchase docket and this form, completed with the following particulars.

PURCHASED FROM:.....

ADDRESS OF DEALER:.....

DATE:..... MODEL NO..... SERIAL NO.....

Present this form with your Purchase Docket when Warranty Service is required.