

DRAPER®

INSTRUCTIONS FOR Dual Action Air Brush Kit

Stock No's. **07228**
07229

Part No's. **4263**
4262

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.

CE



07228: 4 piece kit



07229: 9 piece kit

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GENERAL INFORMATION

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

1. TITLE PAGE

1.1 INTRODUCTION:

USER MANUAL FOR:

DUAL ACTION AIR BRUSH KIT

Stock no's. 07228 07229

Part no's. 4263 4262

1.2 REVISIONS:

Date first published November 2013

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from: <http://www.drapertools.com/b2c/b2cmanuals.pgm>

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1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

WARNING! Information that draws attention to the risk of injury or death.

CAUTION! Information that draws attention to the risk of damage to the product or surroundings.

1.4 COPYRIGHT © NOTICE:

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3. GUARANTEE

3.1 GUARANTEE

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

A proof of purchase must be provided with the tool.

Should the machine develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone Sales Desk: (023) 8049 4333 or Product Helpline (023) 8049 4344.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

NOTE: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

4. INTRODUCTION

4.1 SCOPE

This metal construction air brush with double action trigger is designed for small touch up work and detail jobs. It is ideal for hobbyists and graphic artists.

4.2 SPECIFICATION

Stock no	07228	07229
Part no	4262	4263
Air inlet	1/8" BSP	1/2" BSP
Paint pot capacity	22cc	22cc

5. HEALTH & SAFETY INFORMATION

5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

When using any type of power tool there are steps that should be taken to make sure that you, as the user, remain safe.

Common sense and a respect for the tool will help reduce the risk of injury.

Read the instruction manual fully. Do not attempt any operation until you have read and understood this manual. Most important you must know how to safely start and stop this machine, especially in an emergency.

Keep the work area tidy and clean. Attempting to clear clutter from around the machine during use will reduce your concentration. Mess on the floor creates a trip hazard. Any liquid spilt on the floor could result in you slipping.

Find a suitable location. If the machine is bench mounted; the location should provide good natural light or artificial lighting as a replacement. Avoid damp and dust locations as it will have a negative effect on the machine's performance.

If the machine is portable; do not expose the tool to rain. In all cases do not operate power tools near any flammable materials.

Beware of electric shock. Avoid contact with earthed surfaces; because they can conduct electricity if there is an electrical fault with the power tool. Always protect the power cable and route it away from danger.

Keep bystanders away. Children, onlookers and passers by must be restricted from entering the work area for their own protection. The barrier must extend a suitable distance from the tool user.

Unplug and house all power tools that are not in use. A power tool should never be left unattended while connected to the power supply. They must be housed in a suitable location, away locked up and from children.

Do not overload or misuse the tool. All tools are designed for a purpose and are limited to what they are capable of doing. Do not attempt to use a power tool (or adapt it in any way) for an application it is not designed for. Select a tool appropriate for the size of the job. Overloading a tool will result in tool failure and user injury: This covers the use of accessories.

Dress properly. Loose clothing, long hair and jewellery are all dangerous because they can become entangled in moving machinery: This can also result in parts of body being pulled into the machine.

Clothing should be close fitted, with any long hair tied back and jewellery and neck ties removed. Footwear must be fully enclosed and have a non-slip sole.

5. HEALTH & SAFETY INFORMATION

5.2 ADDITIONAL SAFETY INSTRUCTIONS FOR AIR TOOL USE

ATTENTION! KEEP FOR FUTURE REFERENCE. This document is part of the product: keep them for the life of the product, passing on to any subsequent holder of the product.

ATTENTION! Read this document fully before attempting to assemble, use or maintain your spray gun.

ATTENTION! This spray gun is compatible with a variety of water based and solvent based materials. A list of the materials used in the construction will be made available on request to validate compatibility with the coating materials to be used.

WARNING! Never point the spray gun at people or animals.

WARNING! Never exceed the guns specified maximum working pressure. See specification for details.

WARNING! Always wear personal protective equipment specially designed for use in a paint spraying environment to guard against harmful airborne pollutants and contact with paint related products. Match the equipment to the health risk.

WARNING! Use in a well ventilated area away from any source of ignition to prevent fires or possible explosions.

WARNING! All the spraying equipment and the work piece, if metallic, must be earthed.

Do not attempt to modify the spray gun in any way.

Always read the literature supplied with the paint to ensure it is compatible with the equipment and any other paint material that you intend using.

Never leave the spray gun unattended. Disconnect it from the air supply when not in use.

Always disconnect the air supply and remove any paint from the reservoir before disassembling or cleaning the unit.

This spray gun is not designed for use in medical grade or food grade environments.

When disposing of excess paint or solutions used to clean the spray gun, you must observe all national and local authority guidelines and laws. Respect and look after the environment.

This spray gun should be serviced by trained personnel only.

Only use original Draper spare parts to service and maintain this spray gun.

This spray gun must only be operated by persons trained to safely operate this type of equipment.

Only use nylon bristle brushes to clean the spray gun components. Do not use any metal objects as damage will occur, possibly resulting in a poor spray pattern.

6. TECHNICAL DESCRIPTION

6.1 IDENTIFICATION



- ① 22cc paint pot.
- ② Dual action trigger.
- ③ Needle adjustment screw.
- ④ Air adjustment screw.
- ⑤ Media reservoir inlet.
- ⑥ Needle cap.
- ⑦ Head cap.
- ⑧ Hose connector $\frac{1}{8}$ "(F) $\times$ 6mm(H).
(Stock No.07228 4 piece kit only).

6.2 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing; please contact the Draper Helpline (the telephone number appears on the Title page) and do not attempt to use the machine.

The packaging material should be retained at least during the guarantee period: in case the machine needs to be returned for repair.

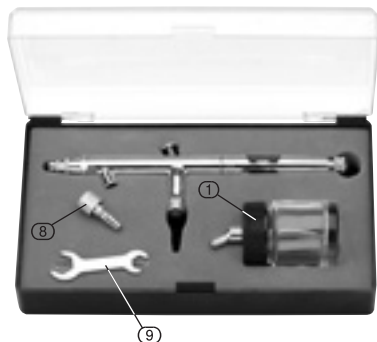
Warning! Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.

If any of the packaging is to be thrown away, make sure they are disposed of correctly; according to local regulations.

7. UNPACKING & CHECKING

7.1 WHAT'S IN THE BOX?

As well as the dual action air brush, there are several parts and accessories included that are not fitted or attached. Use the listings and photograph below to compare the parts/accessories that come with your own particular kit.



4 piece air brush kit (Stock No.07228):

- ① 22cc paint pot.
- ⑨ Mini spanner.
- ⑧ Hose connector 1/8" (F) × 6mm(H).



9 piece air brush kit (Stock No.07229):

- ① 22cc paint pot.
- ⑨ Mini spanner.
- ⑪ Liquid eye dropper.
- ⑫ 0.3mm fluid nozzle.
- ⑬ 0.8mm fluid nozzle.
- ⑭ 0.3mm needle.
- ⑮ 0.8mm needle.
- ⑯ 1.8M braided air hose with connectors.

8. ASSEMBLY & PREPARATION

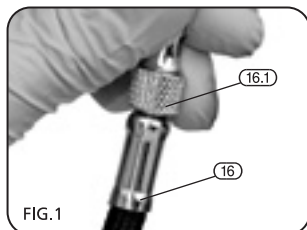
8.1 CONNECTION TO THE AIR SUPPLY – FIGS.1 – 2

Model 07229 only:

Using the hose provided (16), connect the female part of the hose (16.1) to male connector and tighten.

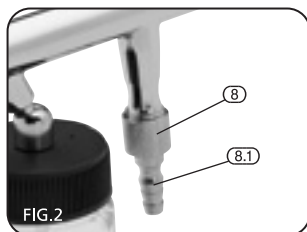
Attach the hose to a suitable air supply, such as a compressor or aerosol propellant.

Generally, the supplied air pressure of should be set between 15 and 50psi when using the supplied braided hose.



Model 07228 only:

Using the threaded 1/8" BSP hose connection fitting provided (8), connect to the male connector of the airbrush and then tighten. A suitable hose (not supplied) can then be connected to the barbed hose tail part of the fitting (8.1).



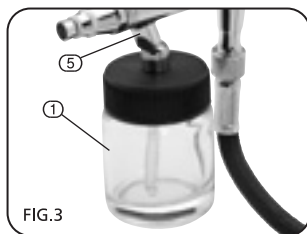
8.2 CONNECTING THE 22cc PAINT POT – FIG.3

Before initial use, wash the air brush through to clear the air and paint channels of any debris or dust.

Unscrew the lid of the 22cc paint pot (1) and fill with chosen media.

Refit the lid, turning clockwise to tighten.

Connect the 22cc paint pot (1) to the air brush by fitting it into the paint pot inlet (5).



9. OPERATION & USE

9.1 SPRAY GUN SETUP – SPRAY PATTERN CONTROL – FIGS.4 – 5

Turn the air supply ON and test your spray on a test panel to get the “feel” of your air brush.

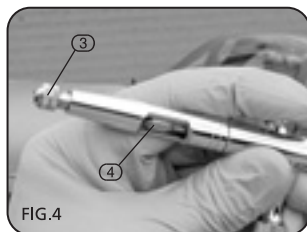
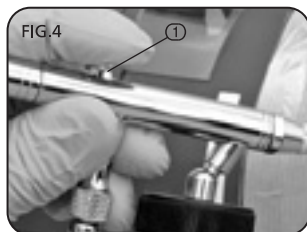
Holding the air brush about 6 inches from the surface, press the dual action trigger ① (Fig.3) down and gradually draw back moving the air brush at a steady rate, parallel to the surface (Fig.2).

For the best result, start the motion before pressing the trigger and a follow through motion after releasing the trigger.

Make any necessary spray adjustments. The paint spray pattern can be adjusted by turning the air adjustment screw ④. The air adjustment screw is fully closed when it has been turned clockwise to the stop point.

The volume of paint dispensed can be adjusted by varying the backward movement of the trigger and can be pre-set using the needle adjustment screw ③.

Apply paint in accordance with the manufacturers guidelines. Continue with this method until the desired coverage is reached. DO NOT spray too heavily.



9. OPERATION & USE

9.2 SPRAYING TECHNIQUE – FIG.6

Hold the air brush at a right angle to the work piece while maintaining an equal distance of approx. 20cm/8".

Move the air brush across the work piece, keeping it parallel all the way – a fluid wrist action will be necessary.

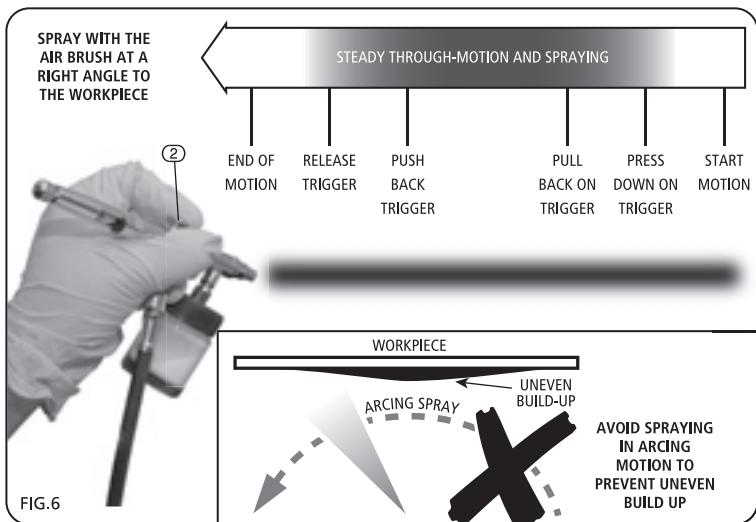
Begin pulling the trigger ② before the leading edge of the work piece is reached, holding it in fully as you travel smoothly across, and releasing after the trailing edge has been passed.

Difficult areas such as corners should be sprayed first.

When spraying a corner, maintain the angle of 90°.

Paint needs to equally cover both surfaces leading away from the corner.

To hide the join and prevent streaking, overlap by at least 50% across the previously painted surface.



10. MAINTENANCE

10.1 MAINTENANCE

After each spray session and during prolonged breaks in spraying, the gun must be cleaned thoroughly inside and out to stop any material drying and clogging it up.

- i Empty the paint pot of any unused media into a suitable container for appropriate disposal.
- ii Fill the paint pot with water and spray to flush the air brush body through.

With the air supply disconnected:

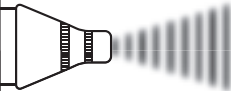
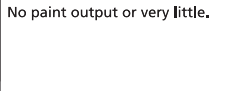
- i Remove the lid of the paint pot. Place in a cleaning bath of solvents briefly to soak.
- ii Remove the air cap; immerse in solvents and scrub any remaining paint. Clear any clogged holes with a nozzle brush.
- iii With the multi-size spanner, remove the nozzle; immerse in solvents again, cleaning any clogged holes with a nozzle brush.
- iv Reassemble the air brush components and moving parts that pivot or slide.
- vi When rebuilt, connect the gun to the air supply and operate the trigger for a short while to disperse any remaining water and dry the inside of the air brush.

10.2 REMOVING OR REPLACING THE NEEDLE

It is not necessary to completely disassemble the needle assembly to remove the needle.

1. Remove the handle part of the air brush.
2. Turn the air adjustment screw counter clockwise.
3. Slide out the needle and then wipe clean.
4. It is important that sufficient care is taken to avoid bending the needle. A bent needle could cause damage to the tip and result in an irregular spray pattern. If damaged, replace needle.
5. Slowly guide the needle into its housing whilst pressing down on the trigger. Do this until the needle will slide in no further. DO NOT FORCE.
6. When in position, re-tighten the air adjustment screw and replace air brush handle.

11. TROUBLESHOOTING

Symptom	Problems	Solution
Fluttering or spitting. 	Dry or worn needle packing seat permits air to seep into fluid passage. Material container joint cap leaking. Packing fluid needle too loose causing leaking.	Tighten. Tighten material container joint cap. Tighten or repair.
Pattern is an arc. 	Dust or foreign matter on air cap clogged horn holes. Uneven volume of fluid from horn holes cause fluid deviation.	Remove obstructions from horn holes or submerge it in thinner or suitable solvent and wipe clean.
Pattern is not evenly spread. 	Material builds up on the outside of the fluid tip or centre hole or partially clogs the nozzle opening. Loose fluid nozzle.	Remove obstruction, never use a wire rod to unblock the nozzle. Tighten fluid nozzle.
The centre of the pattern is too narrow. 	Air pressure is too high. Material is too thin.	Reduce air pressure. Regulate material viscosity.
Pattern width of fan shape is not enough. 	Air pressure is too low. Material too thick.	Increase air pressure. Regulate material viscosity.
No paint output or very little. 	Fluid passage is clogged by dirt. The air holes in the nozzle of the sprayer are blocked. Fluid needle stroke is too small.	Remove obstructions. Adjust fluid needle stroke.

12. DISPOSAL

12.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.
 - Do not abandon in the environment.
 - Always read the safety/technical literature supplied with air cannisters, solvents, paints or any other media to be aware of the correct method of disposal after use.

13. EXPLANATION OF SYMBOLS

13.1 EXPLANATION OF SYMBOLS



Warning!
Wear goggles.



Warning!
Read the instruction manual



Warning!
Wear protective mask.



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For aftersales servicing or warranty repairs, please
contact the Draper Tools Helpline for details of an
agent in your local area.

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