INSTRUCTIONS FOR

1 Litre High Pressure Spray Gun

Stock No.21526 Part No.4212HP

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

GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. 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 the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

CONTENTS

SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock No.	21526
Part No.	4212HP
Operating Air Pressure	50 – 60psi (3.4 – 4.1bar)
Average Air Consumption	.4 – 7cfm
Nozzle Diameter	1.8mm
Cup Capacity	1Ltr
Fluid Inlet	⅜" BSP
Air Inlet	¼" BSP
Weight	1kg

ALWAYS WEAR AN APPLICATION SPECIFIC, CORRECTLY FITTING APPROVED MASK/RESPIRATOR AND SAFETY GOGGLES

GUARANTEE

Draper air tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for 6 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault, please return the complete tool to your nearest authorised 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.

A proof of purchase must be provided with the tool.

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 persons 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 variation 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 guarantee period.

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

Draper Tools Limited.

GENERAL SAFETY INSTRUCTIONS FOR AIR TOOLS

WARNING:
Please read the following instructions carefully, failure to do so could lead to serious personal injury.
IMPORTANT:
Draper Tools Limited recommends that this product should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. Always wear safety goggles or glasses.
2. Always ensure product is switched off before connecting to air supply.
3. Disconnect any product from the air supply before changing blades or discs, and before servicing any type of machine.
4. Always keep your air tool clean and lubricated. Daily lubrication is essential to avoid internal corrosion and possible failure.
5. Do not wear watches, rings, bracelets or loose clothing when using air tools.
6. Using only light weight coil hoses from a tool to the wall or compressor coupling. Do not fit quick change couplings onto the machine as vibration can cause the coupling to fail.
7. Do not overload the machine. Allow the tool to operate at its optimum speed for maximum efficiency.
8. Do not increase the air pressure above the manufacturers recommended level, as excessive overload can cause the machine casing to split. This also creates excessive wear on moving parts and may cause possible failure.
9. In the interests of safety and possible damage to the machine/operator, always ensure that the machine has stopped before putting it down after use.
10. Always ensure that the workpiece is firmly secured leaving both hands free to control the machine.
11. Always ensure that the accessories such as blades, discs, sockets, etc. are rated/designed for use with the machine. Also correctly and securely fastened before connecting the machine to the air supply.
12. When grinding, sanding or cutting always wear an appropriate face mask or respiratory equipment.
13. Always be aware of the risk of a whipping compressed air hose.

ADDITIONAL SAFETY INSTRUCTIONS FOR SPRAY GUNS

1. Keep out of reach of children.
2. For spray guns, use a straight air hose, and not the coil type.
3. Do not aim or spray the gun at people or animals.
4. When spraying, keep away from heat or naked flames.
5. Never spray corrosive or flammable liquids, i.e. petroleum, etc.
6. Always wear protective clothing, overalls, gloves, face mask/respirator, etc. suitable for the specific application.
7. Always ensure a clean filtered air supply when spraying, preferably using an in-line filter regulator to remove condensate and foreign matter.
8. Use in well ventilated area or specialised spray booth.

GETTING TO KNOW YOUR SPRAY GUN

1. Air Cap Assembly
2. Paint Control
3. Air Control
4. Air Inlet
5. 1Ltr Pot
6. Trigger

- **UNPACKING:** After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the product and contact the dealer from whom it was purchased.

  The packaging materials (plastic bags, polystyrene, etc.), must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

ASSEMBLY

- **FITTING HOSE CONNECTION: (FIG.1)**

  To connect the gun to an air line, a ¼" BSP male hose will be required. Wind a length of PTFE tape (Draper Stock No.63389) around the thread and tightly secure the hose in place for an air tight connection.

FIG.1

OPERATION AND USE

- **FILLING: (FIG.2)**
- **NOTE:**

  Do not use water based material or corrosive material in these guns.

  Tightly secure the pot back onto the spray gun when filled.

  Before connecting the spray gun to the air supply, set the correct air pressure (page 2) for this spray gun.

  Before spraying, mask up all areas. Avoid breaks during spraying as this may allow paint to dry inside the nozzle and clog the spray gun.

  To remove the pot (A) from the gun, turn locking lever (B) anti-clockwise. Remove the pot by turning clockwise.

  Fill the pot with the desired quantity of material to be applied.

  Re-attach pot to the spray gun bracket.

  Lock pot (A) by turning locking lever (B) clockwise. Ensure the pot is fully secure before continuing.

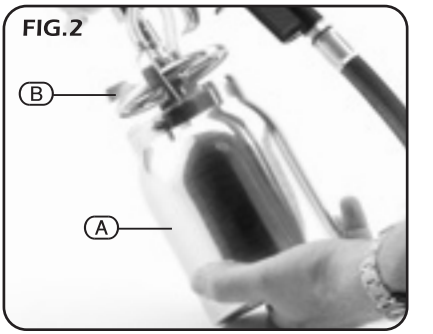


FIG.2

OPERATION AND USE

- **AIR SUPPLY: (FIG.3)**
  This tool should be controlled via a combined regulator/water separator such as Draper Stock No.51858 unit which with proper maintenance will ensure a consistent supply of dry air at all times. Always check the machine operating pressure before use.

- **NOTE:**
  Water in the compressor tank will cause serious corrosion to your air tools and should be drained daily to avoid excessive water in your supply. Dirty, wet air rapidly shortens the life of your air tool
  If you are using an air tool on a hose over 25ft long, it is advisable to increase the bore of those to the next larger size available, ie. ¼" increase to ⅜" this will ensure adequate pressure and volume of air to power the machine.

- **NOTE:**
  Use the spray gun in a well ventilated area or in a specialist spray booth. Wear protective clothing, gloves, breathing mask and goggles. Practice and set up the spray patterns on a scrap piece of material.

- **PAINT CONTROL: (FIG.4)**
  Turning the paint control screw (C) adjusts the amount the trigger can be pulled, consequently altering the amount of air and paint being sprayed.

  Screwed in: Less trigger movement, less air.
  Result: Less paint.

  Screwed out: More trigger movement, more air.
  Result: More paint.

- **AIR CONTROL: (FIG.5)**
  The paint spray pattern can be adjusted by screwing control (D). To flatten the spray, unscrew (D) to allow more air out through the air cap (E) and screw in (D) to heighten the spray pattern.
  The air cap can be loosened by unscrewing (F) and positioned to give either horizontal or vertical spray. Retighten (F) before continuing.

- **SPRAY PATTERN: (FIG.6)**
  The spray pattern of this gun is variable from round to flat with all patterns in between.

FIG.3

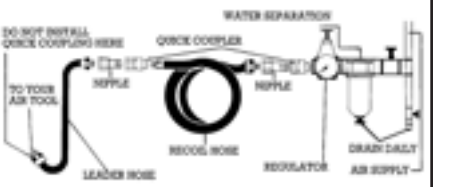


FIG.4

FIG.5

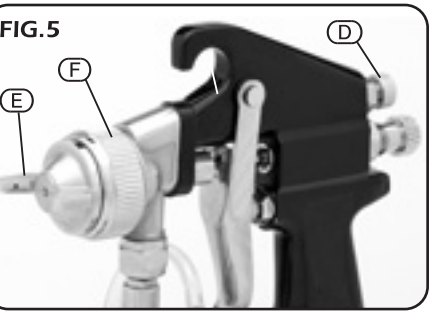
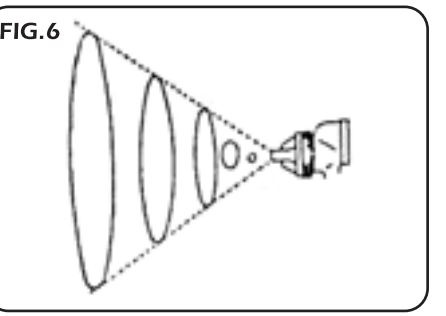


FIG.6



OPERATION AND USE

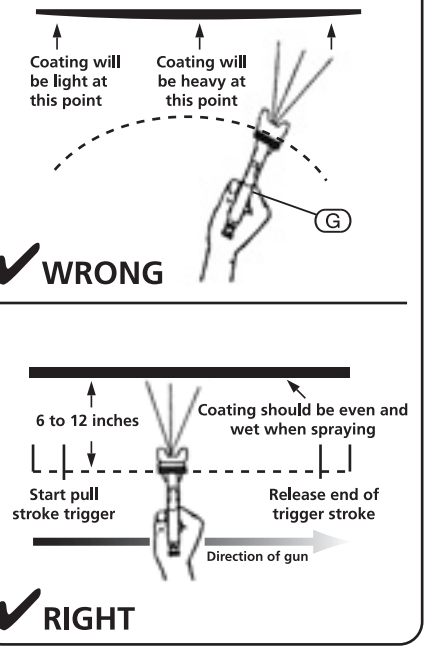
- **SPRAYING TECHNIQUE: (FIG.6)**

To begin spraying, pull back the trigger (G).
To stop paint flow, release the trigger.
The first requirement for a good resultant finish is the proper handling of the gun. The gun should be held perpendicular to the surface being covered, and moved parallel with it. The stroke should be started before the trigger is pulled and the trigger should be released before the stroke is ended. This gives accurate control of the gun and material.

NOTE:
To reduce overspray and obtain maximum efficiency, always spray with the lowest possible atomization air pressure.

NOTE:
After every application, and before the spray material can dry, spray thinners through the spray gun to thoroughly clean the internal part of the gun.

FIG.6



TROUBLESHOOTING

PROBLEMS	CAUSES	REMEDIES
Spray gun spits	Loose nozzle	Tighten securely
	Needle stuffing box loose	Tighten
	Loose cup cover	Tighten
Spray gun fails to spray	Vent hole on cover or anti-drip spiral clogged	Dilute or use bigger cap of spray mouth
	Thick paint	Dismantle and clean
	Nozzle clogged	Disassemble and clean
Escape of air when the Trigger is released	Air-needle not sliding	Oil slightly
	stuffing box nut of air valve too tight	Loosen

CONTACTS

- **DRAPER TOOLS LIMITED,**
  Hursley Road, Chandler's Ford,
  Eastleigh, Hampshire. SO53 1YF. U.K.

- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **Internet:** www.draper.co.uk
- **E-mail:** sales@drapertools.com
- **Sales Fax:** (023) 8049 4209
- **General Enquiries:** (023) 8026 6355

- **Service/Warranty Repair Agent**
  For aftersales servicing or warranty repairs, please contact the Draper Tools Helpline for details of an agent in your local area.

YOUR DRAPER STOCKIST

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