

Do not spray chemicals near rivers or lakes as they may damage the environment.

Ideal Weather Conditions For Spraying...

Dry weather, with a very slight wind speed (enough to blow the leaves on trees).

Do not spray if wind speed exceeds 'force 3' (enough to blow large branches).

Drifting of the chemical mist can be a risk when spraying in too windy conditions.

When spraying the speed of application should be constant combined with a comfortable walking pace (2 –3 mph).

Spray width is determined by the distance of the nozzle from the ground. Do a test run on a dry path, gravel area or waste ground. Once you have found the correct distance try to keep it constant.

To ensure accuracy of spraying, the area should be marked out in strips, to minimise the risk of overlap and missing certain sections.

EQUIPMENT CARE

Stainless Steel Model...

To depressurise the container, pull up the pressure release valve. When no more air is heard to escape, it is safe to remove the pump assembly.

Plastic Model...

The pump mechanism does not pressurise the container but holds the pressure between it and the lance. To release the pressure, the lance must be triggered until the spray stops.

To clean either sprayer...

Wear the same level of protective clothing when cleaning the sprayer as you would when operating it.

THIS SPRAYER MUST BE THOROUGHLY WASHED, IMMEDIATELY AFTER USE.

Use warm water and a little soda, rinsing the container well and spraying the water out. Continue cleaning until all traces of chemicals are removed.

Always thoroughly wash protective clothing when you have finished spraying.

If the nozzle should become blocked, wash out the obstruction with clean water. NEVER try unblocking the jet with a piece of wire, you will damage it. NEVER blow through the hole, you will risk coming into contact with the chemical.

Do not disconnect the lance and hose from the sprayer.

Never push the equipment beyond its design limits. If it will not do what you want with reasonable

ease and speed, assume you have the wrong tool for the job. Contact your local HSS Hire Shop for advice.

Keep the equipment clean – you will find this less of a chore if you clean it regularly, rather than wait until the end of the hire period.

When not in use, **store the equipment somewhere clean, dry and safe** from thieves and unauthorised users.

FINISHING OFF

Ensure the pressure has been released and all the chemicals removed.

Finally, thoroughly clean the equipment ready for return, to your local HSS Hire Shop.

Keep Records...

Use this box below to write down and keep details on what chemicals you used. This information should be kept so that it can be used if a person or animal requires emergency treatment.

Date of applying chemical:

Name of chemical:

Chemical manufacturer:

Type and usage of ground:

Reason for spraying:

Application rate:

Weather conditions:



...any comments?

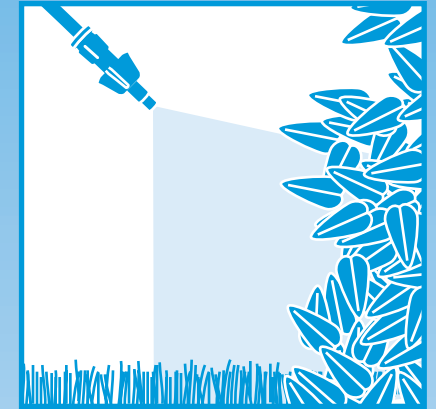
If you have any suggestions to enable us to improve the information within this guide please fax your comments or write to the Product Manager at the address below

Fax: 020 8687 5001

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HSS Hire Shops



Garden Spray

A back pack Garden Spray for spraying pesticides, fungicide, weed killers and fertilisers.



GENERAL SAFETY

For advice on the safety and suitability of this equipment contact your local HSS Hire Shop.



There is a serious risk of personal injury if you do not follow all instructions laid down in this guide.


The hirer has a responsibility to ensure that all necessary risk assessments have been completed prior to the use of this equipment.

This equipment should only be used by an operator who has been deemed competent to do so by his/her employer.


This equipment should be used by an able bodied, competent adult who has read and understood these instructions. Anyone with either a temporary or permanent disability, should seek expert advice before using it.

Keep children, animals and bystanders away from the work area. Cordon off a NO GO area using cones and either barriers or tape, available for hire from your local HSS Hire Shop.

  Never use this equipment if you are ill, feeling tired, or under the influence of alcohol or drugs.

 Safety goggles MUST be worn by everyone in the work area.

 Some chemicals contain substances which, when inhaled, can be harmful to health. A suitable mask must be worn when using this equipment. Respiratory protective equipment is available for hire, contact your local HSS Hire Shop for details.

 Wear practical, protective clothing, plastic/rubber gloves and footwear. Avoid loose garments and jewellery that could catch in moving parts, tie back long hair.

Chemicals used in sprayers are potentially dangerous if misused. The following safety instructions should be strictly adhered to.

You are advised to obtain a copy of the COSHH information sheet on the particular chemical before using it.

Take all necessary precautions to protect yourself and others against the possibility of contracting infectious diseases in your work environment.

Ensure the work area is well lit and ventilated, if in doubt, ask about lighting and ventilation equipment at your local HSS Hire Shop.

Make sure that anyone in the immediate work area is warned of what you are doing.

Always store chemicals in the containers they were supplied in and in accordance with the manufacturers instructions.

Empty containers must be disposed of in a responsible manner.

HSS sprayers are not suitable for use with crystalline acids such as creosote, phenol based disinfectant, hydrofluoric acid or ammonia based chemicals.

If there is any doubt over the compatibility of the sprayer and chemicals please contact your local HSS Hire Shop for advice.

Check the condition of the equipment before use. If it shows signs of damage or excessive wear, return it to your local HSS Hire Shop.

GETTING STARTED

HSS offer two types of sprayer although both are carried in the same way as a rucksack.

The first is a cylindrical stainless steel model that has the pump incorporated in the filler cap.

The other model is of a plastic design and is fitted with a hand pump lever, which the operator pumps during use.

Stainless Steel Model...

Remove the pump assembly by pressing down on the pump handle to disengage the lugs, then turn the handle anti-clockwise to unscrew the pump assembly from the container.

Mix Up to 10 litres of the chemical being used, in accordance with its manufacturers instructions then pour it into the container

Replace the pump assembly, by turning clockwise until firmly closed.

Charge the unit with air by pumping the handle until the pointer of the pressure gauge reaches the red line (6 bar). Lower pressures can be used if desired.

Plastic Model...

Remove the lid by turning it anti-clockwise.

Mix Up to 15 litres of the chemical being used, in accordance with its manufacturers instructions then pour it into the container

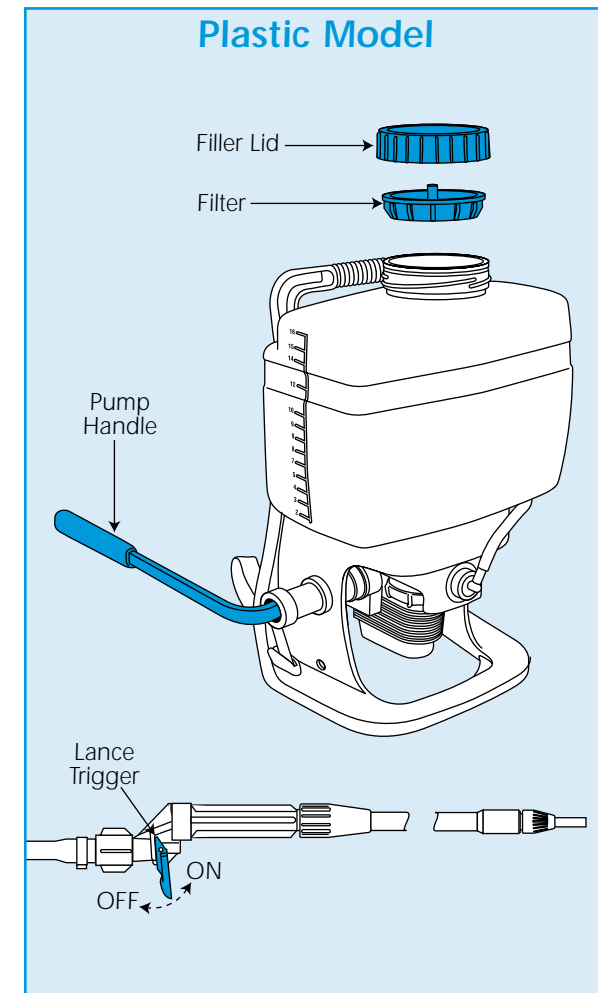
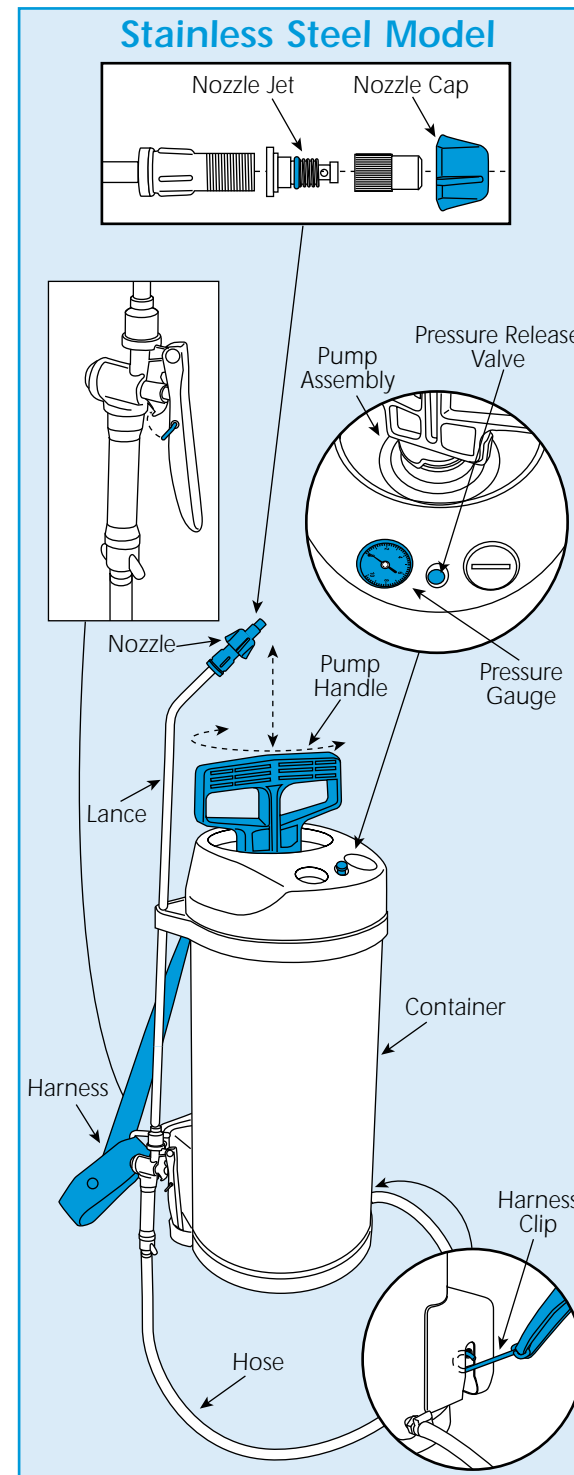
Replace the lid, by turning clockwise until firmly closed.

The unit can only be pressurised when fitted on the operators back, this is done by moving the pump handle up and down.

Set the pressure regulator to suit the chemical you are spraying.

Check with the chemical manufacturers instructions for their suggested setting.

Setting	Approx. Pressure Output
1	1bar (coarse)
2	2bar (medium coarse)
3	3bar (medium fine)
4	4bar (fine)



Whichever you are using...

Put the sprayer on, adjusting the harness to ensure it fits comfortably.

Adjust the spray pattern by turning the cap on the nozzle. It can provide different patterns, a fine mist spray, a coarse cone or a straight jet of six metres.

The sprayer is now ready for use.

BASIC TECHNIQUES

You will find specific spraying techniques for the chemical you are using included with the instructions from the manufacturer.

Misuse of the application techniques quoted by the chemicals manufacturer will lead to less efficient use of the chemical and can cause unnecessary risk to the operator, other people and the environment.