



Instruction Manual

MANSP20 REV L 21/04/20

**SPOTPAK 50, 100, 200L
SP50-S7, SP100-S7, SP200-S7**



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Silvan Warranty

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

We warrant our goods to be free from defects in materials and workmanship for the warranty period of 12 months from the date the product is delivered to the consumer.

Silvan warrants its authorised Dealer, who in turn warrants the original purchaser (consumer) of each new Silvan product that it will repair or replace the product, or, pay the cost of repair or replacement, as determined by Silvan without charge for labour or any defective or malfunctioning parts in accordance with the warranty limitations below.

This Warranty is in addition to any other rights and remedies available to consumers under the law

This Warranty Covers

Only conditions resulting directly from defects in workmanship or material under normal use and service.

Warranty Exclusions

The Warranty does not cover:

- Conditions resulting from misuse, use of incompatible chemicals, exceeding machine specifications including overloading, impact damage, negligence, accidental damage or failure to perform recommended maintenance services as specified in the Owner/Operator Manual applicable to the product.
- Damage caused by continued use of a product after initial failure
- Any product which has been repaired by other than an authorised Silvan service outlet in a way which, in the sole and absolute judgment of Silvan, adversely affect its performance or reliability.
- The replacement of maintenance items such as diaphragms, batteries, V belts and ground engaging components, etc.

How To Claim Warranty

Return the goods to the place of purchase at your cost and within the warranty period along with evidence of the purchase date. If the original supplier cannot be contacted, then contact Silvan as below and we can direct you on how to proceed with your warranty claim.

How Your Claim Will Be Managed

The repair of a defective product qualifying under this warranty will be performed by any authorised Silvan service outlet within a reasonable time following the delivery of the product, at the cost of the owner, to the service outlet's place of business. The product will be repaired or replaced depending on the extent of the problem at the discretion of Silvan and the Silvan dealer.

Safety Instructions



Before attempting to operate or install the sprayer carefully read and take note of the following safety warnings.

Failure to comply with these warnings may result in serious injury or death.

Warning! This sprayer is designed and manufactured solely for the purpose of applying agricultural chemicals to plants. Under no circumstances may it be used for any other purposes.

Warning! Prior to sprayer usage all users and operators must have read and fully understand the contents of this operation manual

Warning! Do not exceed the the vehicle manufacturer's specified safe load and carrying capacity.

Warning! Exercise extreme care when operating in hilly or uneven terrain to ensure proper stability. Refer also to the vehicle manufacturer's operating and safety instructions

Warning! Refer to the chemical manufacturer's label for correct use and safe handling instructions of chemicals before use

Warning! Never allow inadequately trained personnel to attach or operate the implement

Warning! Before carrying out maintenance work, wash the sprayer thoroughly to remove all toxic chemicals that may contaminate the sprayer.

Warning! Do not point spray gun at any part of the human body.

Warning! Do not pump flammable liquids or operate the pump in an explosive environment.

The following "Safety" decal should be fitted to the machine at all times in the location shown in the diagram. If the decal is missing or unreadable it should be replaced by ordering a new decal from your Silvan dealer by the part number, DEC 48.



Specifications



GENERAL

The Silvan Spotpak is a compact portable sprayer. Whether you are a commercial grower, or a home gardener you will find many uses for this unit. The tank pump and wand fittings are corrosion resistant and are suitable for applying weedicides, herbicides, insecticides, fungicides, organic and green formulations.

It is designed for spot spraying but may be used in conjunction with a boom for boom spraying.

SPECIFICATIONS

PUMP AND CONTROLS:

50L, 100L & 200L:

Smoothflo 12-volt DC electric, 7 L/min open flow, Max 120psi on demand electric pressure switch. Valves: Viton, Diaphragm: Santoprene. The Smoothflo pump is designed with adaptive pressure sensing technology that prevents pressure spikes while maintaining higher pressures and flows

On/Off power switch:

The pump is fitted with an automatic electric pressure sensing switch which automatically starts the pump when the pressure falls below 40 psi and stops the pump when the pressure reaches 120 psi.

DIMENSIONS	50L	100L	200L
Length	700mm	800mm	1000mm
Width	400mm	475mm	540mm
Height	300mm	395mm	530mm
Weight (dry)	50L	100L	200L
Nominal capacity	6kg	10kg	14kg

TANK:

50, 100 or 200-liter molded translucent U.V. stabilized and impact resistant polyethylene. Screw on lid has anti-spill breather.

FILTRATION:

Wire mesh foot filter on suction line, removable for cleaning.

DELIVERY HOSE: 6 metre length

SPRAY GUN: Lightweight, lance with adjustable nozzle.

IMPORTANT INFORMATION ABOUT SPOT SPRAYERS

To ensure long life of this spot sprayer please read the following.

Silvan Spotpak's feature a positive displacement diaphragm pump with a pressure sensing switch. The pressure switch interrupts power to the pump when the system pressure builds towards maximum and power is resumed to the motor when the pressure falls. **The pressure switch does not in any way substitute for a pressure regulator.**

When the spray lance trigger is depressed fluid is released and the pressure will drop allowing the pressure switch to resume power to the pumps motor.

The use of a Spotpak for the application of chemical requires initial set up before operation to ensure the users personal safety, an even spray pattern and long life of the pump.

Depending on your spraying requirements you may need to change or adjust the nozzle to suit your desired droplet size or spray pressure.

If the sprayer fails to stop running when the trigger is released and pulsates on and off, then check for any leaks on the gun continuing to drip and fix these problems.

Installation



Do not exceed the vehicle manufacturer's specified safe load and carrying capacity.

SETTING UP YOUR SPOTPAK:

- The hose is supplied fitted at one end to the spray lance.
- Fit the white elbow to the other end and secure it with the hose clamp provided. Fit the white elbow fitting to the outlet of the pump and finger tighten.

FITTING INSTRUCTIONS:

Position the sprayer to minimise contamination to the operator. With the pump mounted away from operator the risk of contamination due to hose failure can be minimised. It is recommended that the sprayer be securely attached to any ATV or other vehicle. Refer to manufacturer's instructions for appropriate load limits and fitting positions.

Note: 1 litre of water = 1 kg.

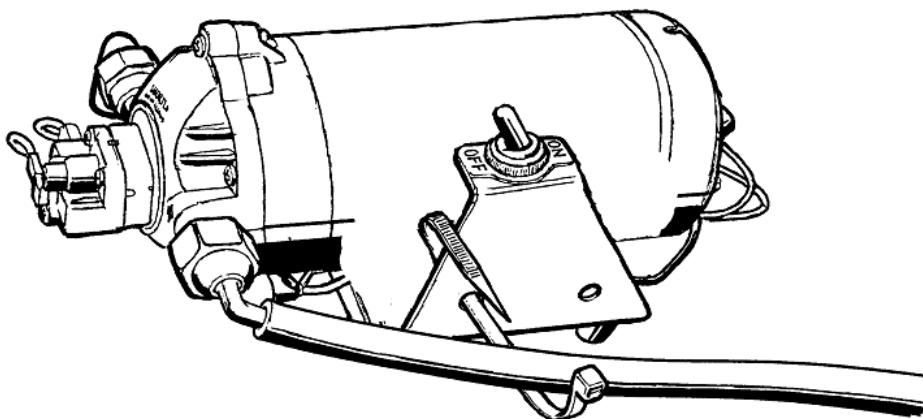
Never fill spray tank to a capacity beyond the specified overall weight limits set by your vehicle manufacturer. Recesses in the top of the tank allow for tie down straps. When fitted these should be firmly secured to approved attachment points on the ATV or other vehicle.

The sprayer should be mounted centrally and as near to the centre of gravity of the ATV as possible. It should not protrude to cause an obstruction.

PUMP HOSE ANCHOR:

We have supplied a Plastic Hose Tie to protect the pump housing or hose fitting from possible damage caused when the hose is pulled tight or over stretched.

The hose can be tied against the switch bracket as shown in the diagram below without restricting the flow.



Installation (cont.)



CONNECTING TO 12 VOLT DC SUPPLY:

The Sprayer requires a 12 volt DC power source. A three metre loom is provided with the sprayer to allow the sprayer to be connected to the 12 volt DC source available. The brown wire is positive and the blue is negative. If you extend the wire use wire of the same gauge or larger.

An on/off switch is fitted to the sprayer to allow the sprayer to be switched off from the 12 volt DC source to prevent accidental drain of power. The switch also allows the pump to be shut down when the tank is empty preventing overheating and damage to the pump.

The sprayer loom includes a 10-amp fuse to prevent any potential damage to the electrical system of the vehicle. Consult your vehicle instruction manual for correct electrical connection.

SETUP AND TESTING:

It is always recommended that you first test all spray equipment thoroughly with clean water. Silvan Spotpaks are supplied with a blue adjustable nozzle containing a large orifice, which when twisting the tip can allow for a greater flow of liquid. It is recommended that adjustable nozzle is used first and can be changed later if you require.

1. Be sure to wear safety equipment as recommended by the chemical manufacturer before adding chemical to the sprayer
2. Check the suction line foot filter is clean and undamaged (see Maintenance section).
3. Fill the tank with clean water.
4. With the 12-volt supply connected and the 6-meter spray hose and spray lance connected. Fit the blue adjustable nozzle or any large orifice nozzle you may wish to use.
5. Check all pipes, hoses, hose clamps and connections for leaks or damage.
6. Switch the pump ON.
7. Depress the spray lance trigger. The pump is self-priming and will start spraying within 30 seconds.
8. Check the hose connections for leaks, if any are found stop the pump and rectify the problem before continuing.
9. By twisting the tip of the nozzle to the coarsest droplet size, the restriction to flow is minimized and pump pulsation will not occur.
10. Slowly twist the tip of the nozzle from a coarse droplet size to a fine droplet to your preference. If the pump begins to pulsate/cycle you may require a different nozzle that is rated to allow for higher flow rates at your selected droplet size.
11. Once the nozzle is set and the pump operates free of pulsation/cycling, the spot sprayer is ready to be utilized for spot spraying of chemical.

Maintenance



Dispose of unused chemical and water used for rinsing in a manner that will not endanger people animals or the environment.

- After spraying rinse out the spray lines and tank with clean water
- The foot filter should be checked and cleaned if necessary, each time the tank is filled. To check the filter hook it out with a bent piece of wire. Appropriate protective equipment including gloves should be used whenever maintenance is carried out.
- If heavy frosts are experienced, run the pump to make sure pump and spray lines are dry. This will prevent water freezing in the pump or spray lines and damaging sprayer.