



Instruction Manual

MANSP55 REV J 09/04/20

**REDLINE SPOTPAK 25, 55 & 100
12V AND RECHARGEABLE
SP25-R1, SP25-B, SP25-TR2
SP55-R1
SP100-R2**



SILVAN AUSTRALIA PTY. LTD.

ABN 48 099 851 144

VICTORIA (HEAD OFFICE)

Telephone: +61 (03) 9215 2700

Fax: +61 (03) 9215 2701

www.silvan.com.au

NEW ZEALAND

Hamilton, New Zealand

Telephone: +64 (07) 8496 033

Fax: +64 (07) 8496070

www.silvannz.co.nz

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 understood the contents of this operation manual

Warning! Do not exceed 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.

Warning! When using the battery charger ensure it is a dry environment and do not leave charger in the rain.

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



55 and 100L
P/No DEC48



25L
P/No DEC48H



Safety Instructions (cont.)



BATTERY CHARGER WARNINGS (FOR RECHARGEABLE SPRAYERS ONLY)

Warning! When using the battery charger ensure it is a dry environment and do not leave the charger where it may rain.

Warning! The battery charger is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have given supervision or instruction.

Warning! Children should be supervised not to play with battery charger.

Warning! The battery charger is only intended for charging 12VDC batteries from SILVAN AUSTRALIA PTY LTD having max. rated capacity of 3.2Ah.

Warning! Do not use this charger to charge Non-Rechargeable battery packs.

Warning! The supply cord cannot be replaced. If the cord is damaged, the battery charger should be scrapped.

Warning! During charging, batteries must be placed in a well-ventilated area.

Specifications

GENERAL

The Silvan Spotpak is a compact portable sprayer designed for spot spraying. 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 liquid herbicides, insecticides, fungicides, organic and green formulations.

DIMENSIONS

	25L	55L	100L
Length	580mm	715 mm	885 mm
Width	330mm	425 mm	470 mm
Height	280mm	360 mm	435 mm
Dry Weight	4.4 kg	5.4 kg	9 kg

The dry weight of the 25L rechargeable 25L unit with battery is 5.5kg

TANK

Blow-moulded translucent impact resistant Polyethylene. Screw on lid with anchor strap and anti-spill breather, 25mm drain plug, M6 threaded mounting inserts in base, 25 and 55L – 4 inserts, 100L – 6 inserts.

PUMP

25 and 55L -12V Pak Pump, 2.6 L/min open flow, Max 50psi on demand electric pressure switch. The demand switch automatically starts the pump when the pressure falls below 45 psi and stops the pump when the pressure reaches 50 psi
100L -12V Pak Pump, 5.3 L/min, open flow, Max 60psi on demand electric pressure switch. The demand switch automatically starts the pump when the pressure falls below 50 psi and stops the pump when the pressure reaches 60 psi

HOSE

6m delivery hose.

LANCE

Plastic trigger grip, 550mm stainless steel extension with adjustable cone nozzle.
Gun holding clips attached to tank.

(NOT SP25-TR2)

FILTRATION

Suction line foot filter.

MEASURING JUG

650mL measure jug included

CONTROLS

On/Off power switch.

BATTERY CHARGER CHARGING TIME

Approximately charging time 5 hours

FUSE BREAKING CAPACITY - (12V VERSION) 2.5A

fuse fitted to battery powered unit.

10A fuse fitted to sprayers with 3m power lead.

BATTERY – (RECHARGEABLE VERSION)

12V, 3.2Ah (Amp/hour). SLA Sealed Lead Acid battery

Note: Battery should be charged before first use

Specifications



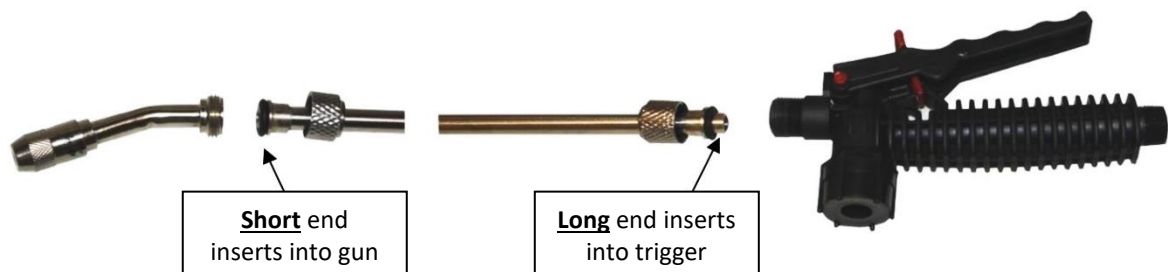
Battery Charger Specifications	
Tradename/Brand Name:	SILVAN
Model No.:	W & T – AD12W120070
Input:	100 – 240V~, 60/50Hz, 0.4A – 0.2A
Output:	12VDC, 0.7A
Class II Symbol:	
Symbol For Indoor Use Only:	
Symbol SMPS incorporating a short circuit proof isolating transformer (inherently or non-inherently):	
Symbol SMPS:	
Fuse Link:	 T 0.7A
Charger for 12V Battery Pack from SILVAN only. Before charging, read the instructions. Do not expose to rain.	

Associated Transformer T1 in the Battery Charger	
Manufacturer:	W&T
Model No.:	CH24WA-08
Pri:	100 – 240V~, 60/50Hz, 0.4A – 0.2A
Sec:	12.5VAC, 0.7A
Internal Operating Frequency:	75 kHz max.
Class II Symbol:	
Only intended to be used with the SILVAN Battery Charger (Model No.: W&T – AD12W120070)	

Assembly

SETTING UP YOUR SPOTPAK

Assemble the gun and hose as shown in the pictures below:



Installation



Fit the TWO (2) gun clips to the side of the tank with screws supplied.
(NOT FOR MODEL SP25-TR2)



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

Position the sprayer to minimize contamination to the operator. With the pump mounted away from operator the risk of contamination due to hose failure can be minimized. 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 or vehicle as possible. It should not protrude to cause an obstruction.

CONNECTING TO 12 VOLT DC SUPPLY – (12V VERSION)

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.

Consult your vehicle instruction manual for correct electrical connection.

CHARGING THE BATTERY – (RECHARGEABLE VERSION)

Note: The battery should be charged before first use.

Check the pump switch is in the off position. Plug the battery charger into a standard 240 Volt power point. Connect the plug on the output lead to the socket on the sprayer.

Recharging time depends on the state of the battery. A completely discharged battery takes up to 5 hours to recharge. After recharging for general safety reasons turn off the charger, especially if to be left in an unattended area.



Setup And Testing



It is always recommended that you first test all spray equipment thoroughly with clean water.

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.
3. Fill the tank with clean water.
4. Check all pipes, hoses, hose clamps and connections for leaks or damage.
5. Twist the tip of the nozzle anti clockwise to a 'pencil jet', the restriction to flow is minimized and this will help pump priming.
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 leak's, if any are found stop the pump and rectify the problem before continuing.
9. Slowly twist the tip of the nozzle from a course droplet size to a fine droplet cone pattern to your preference.
10. Once the nozzle is set and the pump is operating free of excessive pulsation/cycling then the spot sprayer is ready to be utilized for spot spraying of chemical.

Important note: Spray units should not be operated with excessive pump pulsation/cycling as this may reduce the life of the pressure switch.

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.

-There is a filter in gun handle. Unscrew the hose connection to the gun and withdraw the filter using a pair of pointy nose pliers and clean.



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.

Trouble Shooting Guide	
<i>Problem</i>	<i>Solution</i>
Pump does not operate	<ul style="list-style-type: none"> • Ensure battery wires are connected to battery properly • Check the inline fuse in the power loom of the 12V version or in the fuse holder on the battery mounting plate of the rechargeable unit • Check battery is not flat, or charger has not been working
Pump operates but cycles or continues to run when the wand handle is released	<ul style="list-style-type: none"> • There is a slow leak of liquid. Check all connections • The tank is empty, or the suction line is not fully immersed
Pump operates with no flow rate or reduced flow	<ul style="list-style-type: none"> • The pump will not prime unless the gun trigger is on • Check filter in tank, filter in handgun handle, nozzles for blockage or spray hose for kinks • Pump valves may be stuck or blocked. Apply small amount of pressure to the suction line by placing a garden hose over the suction hose inside the tank while the pump is running

Optional Accessories

Code	Description
TR55	Trailer Kit for 55L Redline
TR55-10	Boomless Nozzle Kit for 55/100L Redline
TR100	Trailer Kit for 100L Redline



SP100-R2 with optional TR100 (Trailer)



SP55-R1 with optional TR55 (trailer) and TR55-10 (Boomless Nozzle Kit)