

INSTRUCTION MANUAL

40L SPOT SPRAYER WP40-1

MANWP40-1 REV A 16/03/22



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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 understood the contents of this operation manual

Warning! Exercise extreme care when operating in hilly or uneven terrain to ensure proper stability.

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.

Specifications

GENERAL:

This trolley sprayer has been designed and manufactured primarily for applying agricultural and horticultural herbicides and insecticides to plants.

TANK:

Blow-moulded impact resistant Polyethylene. Screw on lid with anti-spill breather, 25mm drain plug,

PUMP:

12V DC, 2.6 L/min open flow, 50psi on demand electric pressure switch. The demand switch automatically starts the pump when the pressure falls below 40psi and stops the pump when the pressure reaches 50 psi. On/Off power switch.

FILTRATION:

Suction line foot filter

CONTROLS:

On/Off power switch

POWER CONNECTION:

3m wiring loom with alligator clips. 10A in line fuse

SPRAY LANCE:

Trigger jet gun assembly with 450mm long lance and adjustable cone nozzle. Spray lance clips to lid.

HOSE:

6m length x 8mm ID

DIMENSIONS:

Length: 670 mm

Width: 320mm

Height: 320 mm

Weight (dry): 4.4 kg

Components

All components to complete your assembly are packed inside of the tank.

Unscrew lid and remove components checking that all required parts are there.
If you are missing any components please contact Silvan customer service.



Installation

HOSE ASSEMBLY:

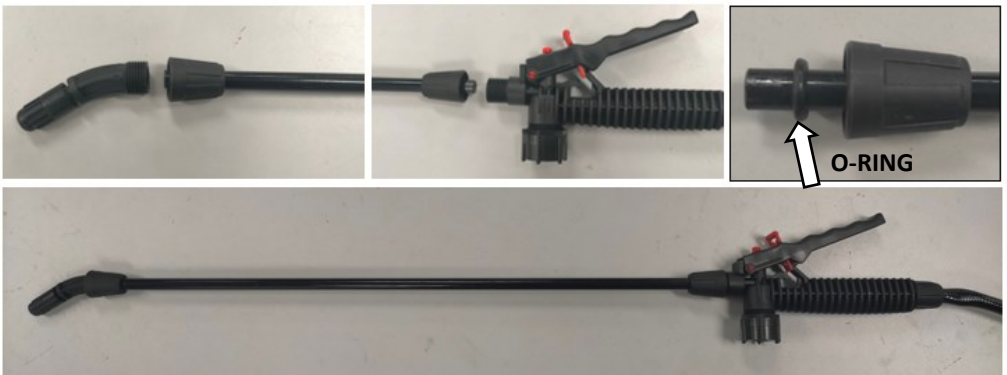
Remove the elbow end of the hose from the bag being careful not to lose the small rubber seal from inside the elbow.

Assemble the elbow to the pump as shown. Ensure the rubber seal is located inside the elbow and tighten with the elbow facing towards the lid end of the tank.



FITTING SPRAY LANCE AND NOZZLE:

Check the Spray Lance to ensure each end has a rubber O-ring. Screw the lance to the Gun Trigger as shown below. Screw the Spray Nozzle to the other end of the Spray Lance and tighten.



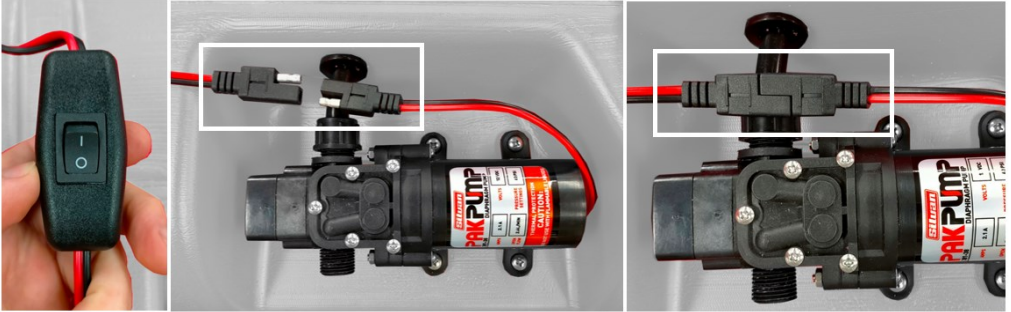
Installation — continued

When not in use, the spray lance can be clipped onto the lid as shown below.



POWER CONECTION:

Ensure the power switch is in the OFF “O” position.
Plug the wiring loom into the wire lead on the pump.



CONNECTING TO 12 VOLT DC SUPPLY

The sprayer requires a 12-volt DC power source. The loom provided allows the sprayer to be connected to the 12-volt DC source available via alligator clips. The red wire is positive and the black wire is negative.



OPERATING THE PUMP:

Once connected to a 12-volt DC power source, the pump can be powered up with the on/off switch. When leaving the sprayer unattended **always** switch the pump switch off. When the tank is empty always switch the power OFF to prevent overheating and damage to the pump.

Installation — continued

ADJUSTING THE NOZZLE

The spray stream can be adjusted by loosening or tightening the nozzle to achieve the desired spray pattern (pencil stream or conical stream).



Setup and Testing

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

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. Partly 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 leaks, if any are found turn off the pump and rectify the problem before continuing.
9. Slowly twist the tip of the nozzle from a coarse 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 sprayer is ready to be utilized and chemical can be added and mixed.

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

Maintenance

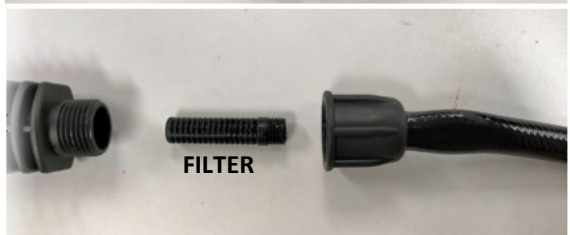
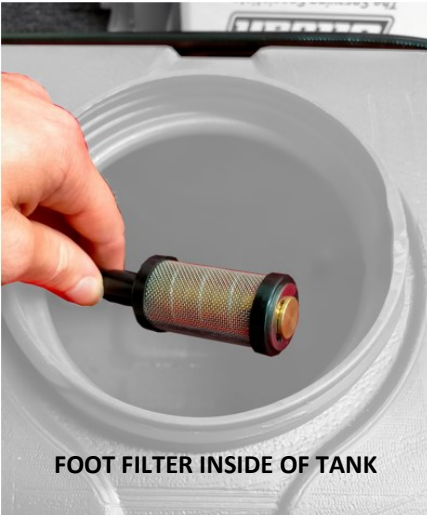


Dispose of unused chemical and water used for rinsing in a manner that will not endanger people animals or the environment.

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 the gun handle. Unscrew the hose connection to the gun to access the filter. Unscrew the filter and clean.

Note: If heavy frosts are expected, 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 the sprayer.



Troubleshooting

TROUBLESHOOTING GUIDE	
PROBLEM	SOLUTION
Pump does not operate	<ul style="list-style-type: none">• Ensure battery wires are connected to battery correctly• Ensure the wiring loom is correctly plugged into the pump.• Check the fuse located inside the inline fuse holder on the wiring loom• Check that the 12V DC power source is not flat.
Pump operates but cycles or continues to run when the wand handle is off.	<ul style="list-style-type: none">• There is a slow leak of liquid. Check all hose, gun and spray lance connections. Ensure all O-rings and seals are in place.• The tank is empty or the suction line is not fully immersed in liquid
Pump operates with no flow or reduced flow.	<ul style="list-style-type: none">• The pump will not prime unless the gun trigger is on.• The pump will not prime if there is a blockage. Check filters, nozzles and spray line for any blockages.

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