



INSTRUCTION MANUAL

MANTR25-2 REV C 06/12/2019

TR25-2

20L UPRIGHT TROLLEY SPRAYER



FOR SERVICE SUPPORT PH 1300745826 (AUST) OR 0508 745826 (N.Z)

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Warranty

Silvan Warranty

This warranty is the only warranty applicable to Silvan new products ('Products') and, to the maximum extent permitted by law, is expressly in lieu of any other conditions or warranties expressed or implied in relation to the Products.

Subject only to legislative obligations to the contrary, Silvan shall not be liable for incidental or consequential damage resulting from ownership or use of a Product.

Silvan does not authorize any person to create for it any other obligation or liability in connection with these products.

Silvan warrants its authorised Dealer, who in turn warrants the original purchaser (owner) 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 and adjustment schedule below.

The warranty period begins on the date the product is delivered to the first retail purchaser for a period of 12 months

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.
- Any product which has been repaired by other than an authorized Silvan service outlet in a way which, in the sole and absolute judgement of Silvan, adversely affect its performance or reliability.
- The replacement of maintenance items such as diaphragms, batteries, V belts and ground engaging components, etc.
- Loss of time, inconvenience, loss of use of the product liability to third parties or any other consequential damages.
- Incidental costs associated with a warranty repair including any travel costs, out of hour's labour charges, cleaning costs, transportation costs, freight costs or any communication costs.

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, using new parts supplied by Silvan. Silvan, in its absolute discretion, may choose to pay the cost of replacement or repair of the product.

The owner is responsible for the performance of regular maintenance services as specified in the Owner/Operator Manual applicable to the product. Failure to carry out regular maintenance may invalidate warranty.

Safety Instructions

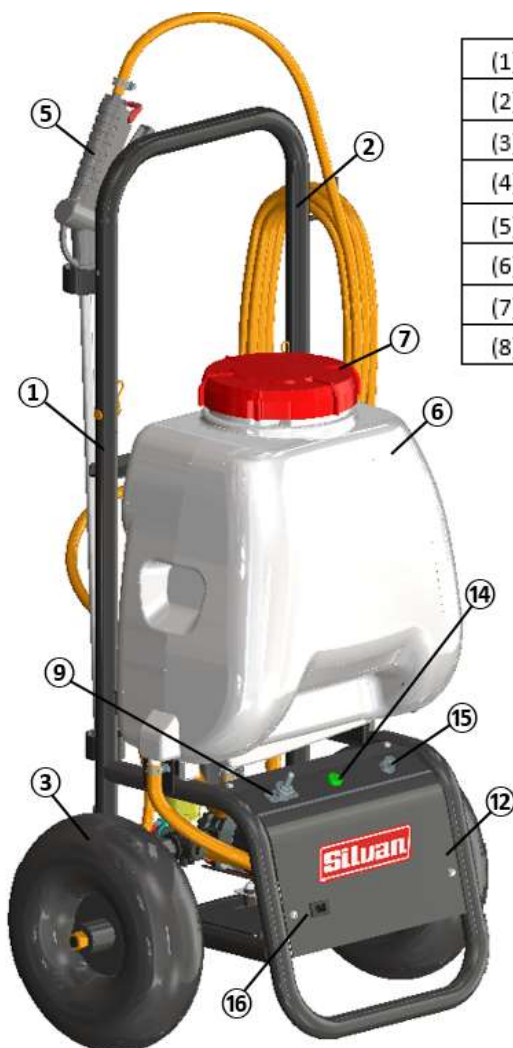


Before attempting to operate or install the sprayer carefully read and take note of the following safety warnings.

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

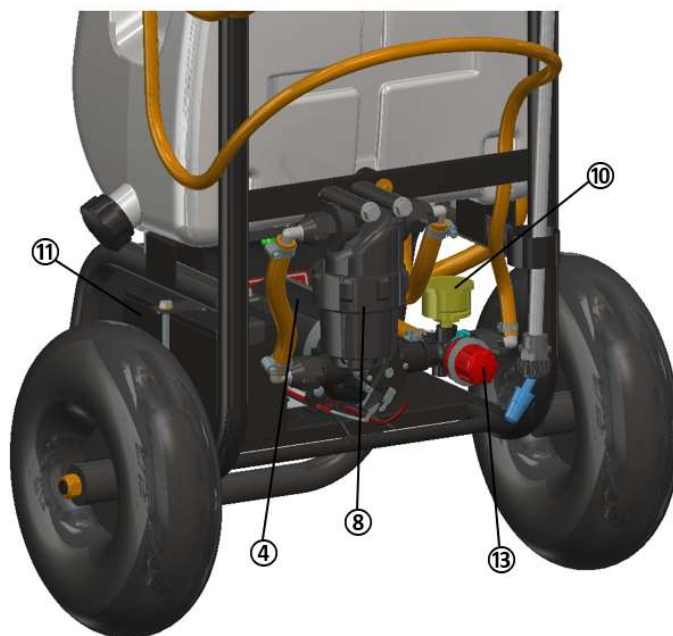
- Warning !** This sprayer is designed and manufactured solely for the purpose of applying agricultural chemicals to plants and pests. Under no circumstances may it be used for any other purposes.
- Warning !** Before using this sprayer all operators and users must have read and understood the contents of this manual and any other manual supplied with the sprayer or associated equipment.
- 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. Make sure correct safety equipment and clothing are used in accordance with the chemical manufacturer's instructions.
- Warning !** Never allow inadequately trained personnel to attach or operate this sprayer.
- Warning !** Before carrying out maintenance work, wash the sprayer thoroughly to remove all toxic chemicals that may contaminate the sprayer.
- Warning !** Overtightening plastic fittings can result in damage, leading to exposure to spray chemicals or improper application.
- Warning !** Never leave the battery to charge unattended.
- Warning !** Do not charge damaged batteries.
- Warning !** Battery charges should not be used in wet environment.
- Warning !** Never charge battery for periods of time longer than 8 hours. Over charging the battery can create an explosion and a fire hazard.

Specifications



(1)	Construction Frame
(2)	Handle
(3)	Wheels
(4)	Pump
(5)	Spray Gun
(6)	Tank
(7)	Lid
(8)	Filter

(9)	On/Off Switch
(10)	Pressure Gauge
(11)	Battery
(12)	Pump Cover
(13)	Pressure Regulator
(14)	Light Indicator
(15)	Fuse
(16)	Charging Socket



GENERAL

TR25-2 is a self-contained compact portable sprayer with its own power supply. Whether you are a commercial grower, or hobby farmer, you will find many uses for this unit. The tank, pump and spray lance fittings are corrosion resistant and suitable for applying weedicides, herbicides, insecticides, fungicides, miticides, organic and green formulations.

FRAME - Heavy duty construction frame (1) with removable handle (2) and extra wide wheels (3). The TR25-2 also includes a protective pump cover (12).

PUMP (4) - TR25-2 features Viton Valves and Santoprene Diaphragms. It also features a 12V Aquatec Smoothflo Pump DC, 7/min open flow or 8 Bar/120 psi max pressure with a maximum power of 9 amps.

HOSE - 6 meters of 10mm I.D. delivery hose.

SPRAYGUN (5) - Standard Spray Gun Assembly (Spotjet Jolly Gun): 600mm long stainless-steel lance with adjustable cone-jet nozzle that provides an adjustable conical spray pattern as well as a pencil stream.

Optional Gunjet Spray Gun Assembly: comes in 3 separate parts; lance (part number 6671-18), brass nozzle (part number: 5500-X8) and spray gun (AA31). This Gunjet spray gun has a lightweight, 18-inch brass curved lance with an adjustable brass nozzle that provides half turn for wide angle which gives a fine atomized cone spray to a straight stream distance spraying.

TANK - Made from impact resistant polyethylene, UV stabilized, translucent tank with calibration 20L capacity (6). Screw on lid with an anti-spill breather (7).

FILTRATION (8)- 50 Mesh suction line filter.

CONTROLS - On/off power switch (9). The pump features an electric pressure sensing switch will stop the pump when pressure reaches 60psi and start the pump when pressure falls below 40psi. TR25-2 features an adjustable pressure regulator with gauge (10) for selecting spray pressure.

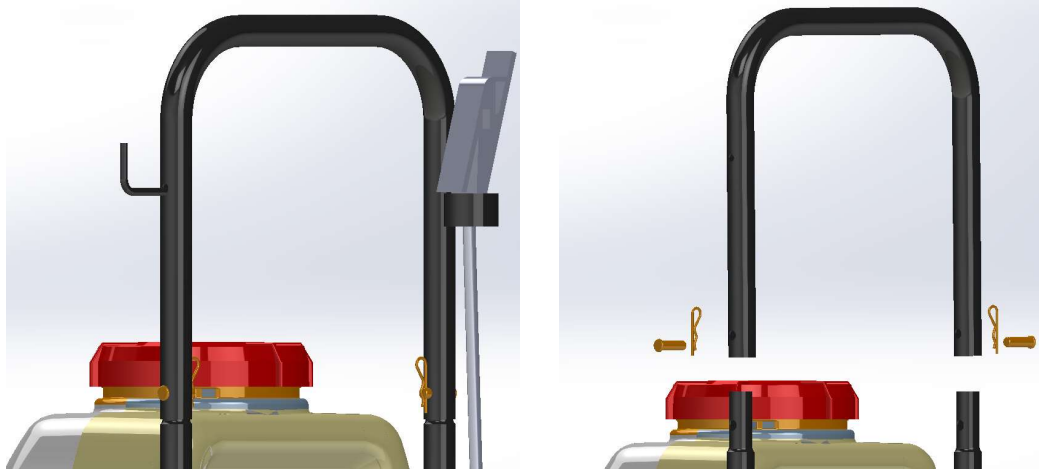
BATTERY (11) - 12 Volt DC, 7 Amp hour, Sealed Lead Acid battery. One recharge should operate three tank loads.

BATTERY CHARGER - 240V AC supply, 1.7 Amp battery charger.

	DIMENSIONS
<i>Depth:</i>	~310mm
<i>Width:</i>	~510mm
<i>Height:</i>	~980mm
<i>Weight (dry):</i>	17kg
<i>Nominal Capacity:</i>	20L

Installation

TR25-2 comes in completely assembled except for the handle. As seen below it is detached initially. **NOTE:** *some parts were hidden for the purpose of making this image clear.*



Operation

SETUP AND TESTING

It is always recommended that you first test all spray equipment thoroughly with clean water. The TR25-2 is supplied with a Spray Gun. It is recommended that the adjustable nozzle is used first and can be changed later if required.

1. Be sure to wear safety equipment as recommended by the chemical manufacturer before adding chemical to the sprayer
2. Check the filter is clean and undamaged (see Maintenance section)
3. Fill the tank with clean water
4. Ensure the 6-meter spray hose and spray lance connected
5. Check all pipes, hoses, hose clamps and connections for leaks or damage
6. Switch the pump ON
7. Adjust the pressure regulator to the off position "0"
8. Depress the spray lance trigger to flush air from the lines. The pump is self-priming and should start spraying within 30 seconds
9. Check the hose connections for leaks, if any are found stop the pump and rectify the problem before continuing
10. Twist the tip of the nozzle to the coarsest droplet size, the restriction of flow is minimized, and pump pulsation will not occur
11. Slowly twist the tip of the nozzle from a coarse droplet size to a fine droplet to your preference.
12. Once the nozzle is set the sprayer is ready to be utilized for spraying of chemical
13. You can reduce the operating pressure by adjusting the pressure regulator from "0" to "11" this will reduce the pressure. It will also mean the pump will not turn off when the gun is not spraying. This will not cause any damage to the pump, but to conserve the battery the pump can be turned off.



Maintenance

CHARGING THE BATTERY

TR25-2 utilizes a 12V DC sealed lead-acid (SLA) battery which requires approximately 4-6 hours of charging from the supplied battery charger to fully charge the battery. TR25-2 is supplied with a battery charger for SLA batteries. After the battery is recharged, It should complete 3 tank fills.

Always charge the battery after use. Do not leave the battery flat as it will damage the battery.

Warning! Never leave the battery to charge unattended.

Warning! Do not charge damaged batteries.

Warning! Never charge the battery for periods of time longer than 8 hours. Over charging the battery can create an explosion and fire hazard.

CLEANING THE FILTER

To avoid chemical contamination, wear appropriate protective equipment including gloves whenever maintenance is carried out. The filter should be cleaned when the tank is empty to avoid chemical escaping when the filter is removed. This is best done at the end of each day or before storage.

Turn off the pump and depress the trigger on the spray lance to dissipate any pressure, unscrew the cap on the filter housing to remove the filter. Clean the filter with clean water and a bristle-brush, do not use a wire brush or sharp object as this may damage the mesh. Once the filter is clean, put it back into the filter housing and replace the cap.



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