



## ***Instruction Manual***

---

MANSQDT100-1 REV A 14/05/20

**DIESEL TRANSFER UNIT  
SQDT100-1**



**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](http://www.silvan.com.au)

***NEW ZEALAND***

Hamilton, New Zealand

Telephone: +64 (07) 8496 033

Fax: +64 (07) 8496070

[www.silvannz.co.nz](http://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.



Before attempting to operate or install the diesel unit 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 diesel unit is designed and manufactured solely for the purpose of carrying and pumping diesel fuel. Under no circumstances may it be used for any other purposes.

**Warning!** Prior to installing or using the diesel unit all operators must have read and fully understood the contents of this instruction manual as well as all other manuals supplied and the safety decal fitted to the diesel unit.

**Warning!** Never allow an inadequately trained person to install or operate the diesel unit.

**Warning!** Ensure the capacity of the vehicle is suitable for the loaded mass of the diesel unit. Refer to the vehicle operator's manual for safe working loads, correct secure points and relevant safety instructions.

**Warning!** Avoid diesel contact with skin and eyes and avoid breathing vapours or mists. Refer to the Material Data Safety (MDS) sheet from your diesel supplier for recommended safety precautions and any required protective equipment for use when handling. Ensure that all operators and associated personnel are familiar with the legal regulations and codes of practice that apply to the safe use, storage and disposal of diesel.

**Warning!** This diesel unit should be securely restrained or tied down when being transported on a vehicle.

**Warning!** This unit should never be left unattended while dispensing or being filled.

**Warning!** Before attempting to fill the tank at a service station consult the operator for the correct procedure.

**Warning!** Do not store the diesel unit within or next to a dwelling or garage attached to a dwelling.

**Warning!** Always store the diesel unit in well ventilated open areas.

**Warning!** Storage of the diesel unit must not be in the proximity of any heating or ignition sources.

**Warning!** No combustible waste material or residues shall be permitted to remain in or around areas in which diesel is stored or decanted.

**Warning!** Any spillage shall be cleaned up immediately and the materials used in the clean-up shall be disposed of safely and in accordance with any legal regulations and codes of practice that apply to the safe use, storage and disposal of diesel.

**Warning!** Ensure that the electrical lead(s) are always in good condition and the wire is not exposed through the plastic coating. Do not allow the lead to become tightly knotted, crushed or pinched.

**Warning!** If using the unit on a hot day or pumping down hill you may need to loosen the filling cap to stop the tank drawing in.

## Safety Instructions (cont.)



The location and wording of the safety decal fitted to your Silvan diesel tank is shown below. It is important that all operators read and follow the information on all safety decals before operating the unit. Failure to comply with these warnings could result in serious injury or death.

**Safety decals should be kept clean and legible at all times. If any decals are missing or illegible, they should be replaced by ordering new decals from your Silvan dealer using the part numbers shown.**

Warning decal part number: DEC48.



# Specifications



## **GENERAL:**

SQDNT100-1 unit comes standard with a manual shut-off gun and the pump has a duty cycle for 60 minutes of continual dispensing.

## **SPECIFICATIONS:**

### **Tanks:**

Made from impact resistant polyethylene, UV stabilized, coloured grey, fitted with lid and a free-standing design with two-wheels so it is easy to move around.

### **Gun:**

Trigger filling nozzle with manual shut-off and hose swivel.

### **Pumps and Delivery Hose:**

SQDNT100-1 unit is fitted with a 12V submersible diesel transfer pump with a 2.2-meter power lead and alligator clips and 2-meter delivery hose, details provided below:

### **Pump:**

Power:	280 Watt
Input:	12V DC
Output:	15L/min (open flow)
Power Cord:	2.2m long with alligator clips
Delivery Hose:	2m long
Duty Cycle:	60mins

### **Dimensions and Weights:**

Mass is specified when tank is empty. To roughly calculate gross mass, add 1 kg/liter capacity. (e.g. 100L = 100kg). All dimensions are in mm, mass in kg, the mass of each tank may vary according to the type of pump fitted and other accessories.

<b><u>DIMENSIONS</u></b>	
<i>Depth:</i>	340mm
<i>Width:</i>	530mm
<i>Height:</i>	1050mm
<i>Weight (dry):</i>	19.5kg

## Preparing the Transfer Unit for Operation:

SQDNT100-1 unit will be supplied with the delivery hose and shut-off gun disconnected from the pump. Before attempting to pump any diesel ensure that the delivery hose is securely fitted to the pumps outlet, and that the shut-off gun (with swivel) is fitted to the other end of the delivery hose.

## Connecting to a Power Supply:

SQDNT100-1 unit is fitted with DC electric motors are supplied with alligator clips that can be connected directly to a 12 Volt DC battery. Connect the **RED** alligator clip to the positive terminal and the **BLACK** alligator clip to the negative terminal. If you intend to extend the cable or add a plug, make sure it is of enough capacity 25Amps.

## Filling the Diesel Unit:

Ensure that the tank is supported on an even ground. No special equipment is required for filling the tank, however, when the lid has been removed from the tank take care not to introduce contaminants into the tank via the filler neck and ensure that the lid is kept free of contaminating particles while filling.

If using the tank on a hot day or pumping downhill you may need to loosen the filling cap to allow some air in to stop the tank from distorting.

## Transferring Diesel:

Once the shut-off is released turn off the pump within 2 or 3 minutes so as not to allow the motor to run for longer than its specified duty cycle.

# Troubleshooting

Problems	Solutions
Pump Does Not Operate	<ul style="list-style-type: none"><li>• Ensure battery wires are connected to battery properly. Red clip to positive.</li></ul>
Pump Runs But Does Not Pump	<ul style="list-style-type: none"><li>• Check red alligator clip fitted to positive terminal, black to negative. If it is the wrong way around the pump runs backwards.</li><li>• Check suction hose is immersed in diesel. The suction hose may be bent up out of the diesel.</li></ul>