



Active Diesel Tanks Operator's Handbook



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Statement Of Suitability For Rapid Spray Diesel Tanks

Diesel tanks manufactured by Rapid Spray, Singleton NSW, are suitable to be used for the transport of Diesel Fuel in Australia.

Rapid Spray diesel tanks are made from a material specifically designed for use in rotationally moulded diesel tanks. This material has been tested to ensure it meets the mechanical and chemical resistance requirements of International Regulations ECE R34.01 Annex 5 Section 5.0 and European Directive 2000/8/EC.

The anti static lead supplied on all Rapid Spray diesel tanks exceeds the requirements of AS1940-2004 and AS2809.2-2008.

Filler caps and vents supplied on Rapid Spray diesel tanks comply with AS 1940-2004.

Diesel fuel is NOT classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (As stated by fuel company MSDS)

Diesel fuel is NOT classified as a Flammable Liquid in Australia; it has the lower classification of 'Combustible Liquid C1'. (As stated by fuel company MSDS)

Rapid Spray Diesel Tanks are NOT subject to the requirements of AS NZS 2906-2001 as they are all designed to contain a volume greater than 25 Litres.

WARNING

THIS TANK IS CLASSIFIED AS 'MINOR STORAGE' FOR CLASS C1 COMBUSTIBLE LIQUIDS WHEN OPERATED CORRECTLY IN COMPLIANCE WITH AS1940-2004.

BEFORE USING THIS TANK – OPERATORS SHOULD FAMILIARISE THEMSELVES WITH THE REQUIREMENTS OF THIS STANDARD.

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Introduction

READ YOUR OPERATOR'S HANDBOOK CAREFULLY BEFORE MOUNTING AND USING YOUR DIESEL TANK. KEEP YOUR HANDBOOK IN A SAFE PLACE.

Introduction

Congratulations on your purchase of a Rapid Genius Diesel Tank. This tank has been designed to provide a long and trouble free experience for the operator. Please read this handbook carefully before attempting to operate your diesel tank.

Warnings

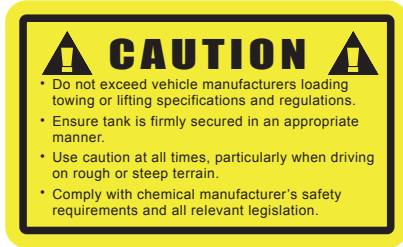
1. When mounting to any vehicle. Ensure that you have read the Vehicle Owner's Manual and that you comply with all weight restrictions specified by the vehicle manufacturer as overloading can cause injury or death.
2. To ensure your own safety and that of your employees if applicable, you must comply with all relevant environmental, work place health and safety legislation and codes of practice including the requirements of AS1940-2004 (the storage and handling of flammable and combustible liquids.)
3. Ensure tank is firmly secured in an appropriate manner. Where applicable tank mounting may need to be designed/approved by an engineer.
4. Care should be taken at all times, particularly when operating on rough or steep terrain. Drivers should be aware of the effects of fluid surge at all times. (This can be minimized through the use of Rapid Sprays innovative ball baffle system.)
5. Personal Protection Equipment must be worn if required.
6. Improper or careless use of this tank can cause serious injury or death. Minors should never be allowed to use this tank.
7. Tank is a confined space. Ensure compliance with WHS requirement if entering tank.
8. You must be in good mental health to operate this tank, and not be under the influence of alcohol or any drugs that could impair your vision, physical strength, dexterity, judgement, or other mental capacity.
9. This diesel unit is designed and manufactured solely for the purpose of carrying and pumping diesel. Under no circumstances should it be used for any other purpose.
10. Before using the diesel unit, carefully read and ensure you understand the contents of this manual and any other manuals supplied with the unit.
11. Before operating the diesel unit read all the safety warnings which are attached to the various parts of the machine. Refer to page 8, for the wording of these warnings.
12. Never allow an inadequately trained person to operate the diesel unit.
13. Ensure the capacity of the vehicle is suitable for the loaded mass of the diesel unit. Refer to the vehicle operator's manual for the safe working loads and relevant safety instructions.
14. Avoid diesel contact with skin and eyes, and avoid breathing vapours. Refer to Material Safety Data sheet for diesel for further information.
15. The use of protective clothing or equipment to prevent physical contact with diesel fluid is highly recommended.
16. This unit should never be left unattended while it is being filled or pump is operating.
17. Before attempting to fill the tank at a service station, consult the operator or available signage for the correct procedure.
18. Do not store diesel unit within or next to a dwelling or garage attached to a dwelling.
19. Store diesel unit in a well ventilated open area.
20. The storage shall not be in proximity to any heating or ignition source.
21. No combustible waste material or residues shall be permitted to remain in or around areas in which diesel is stored or decanted.
22. Any spillage shall be cleaned up immediately and materials used in the clean-up shall be disposed of safely and in accordance with any relevant local regulations.

Risk Assessment Sheet

Task	Hazards	Risk	Control Measures
Partially fill tank with diesel, connect 12 volt transfer kit (If applicable) & test operation of unit.	Manual handling; slips, trips or falls; fingers jammed; electric shock or electricity..	Medium	Concentrate on the task at hand; follow safe manual handling techniques: don't lift on your own if >20kg, bend knees & keep back straight; keep fingers clear; keep unit at least 8m from overhead power lines; keep substances away from electrical sources; tank mounting to comply with relevant codes of practice and transport authority requirements.
Check weather conditions & select the appropriate PPE to suit the refuelling to be done	Manual handling; slips, trips or falls; diesel contact and fumes/vapours.	Low	Use PPE as per the chemical requirements in the Material Safety Data sheet – coveralls, gloves, safety footwear, glasses & respirator; follow safe manual handling techniques.
Fill the diesel tank	As above; diesel fume drift, diesel spillage, diesel vapour and combustibility; weather conditions; untrained visitors; tank not secured; tank used for non diesel products	Medium	As above; user trained in the state's chemical mixing and administration course eg: Chem Cert; Follow the relevant Environment Protection Authority requirements; fire extinguisher on hand – CO2 or powder; keep visitors away unless wearing appropriate PPE; check load security; operate with diesel only in accordance to "DIESEL ONLY" sticker.
Check that transport vehicle is safe before use i.e. where applicable; wheel nuts, tyre pressure, bearings, tow hitch, service history, etc. Operate diesel unit.	As above; loss of load; heat or cold; noise of pump & vehicle; exceeding load limit of vehicle; load security; hose entanglement; exhaust fumes; terrain.	High	As above; wear clothes to suit heat & cold; wear hearing protection if noise >85dBa; follow the manufacturer's safe operation instructions for the vehicle and 12 volt transfer unit ; don't overload-diesel; weighs approx. 0.85kg for every litre; secure load to vehicle; check earth straps; hoses tidy.
Clean up, maintenance & storage	As above. Confined space inside tank	High	As above: continue to wear PPE for clean up; follow state legislation & AS2865:2001 safe working in a confined space guidelines; store tank a dry well ventilated area.

Warning Notices

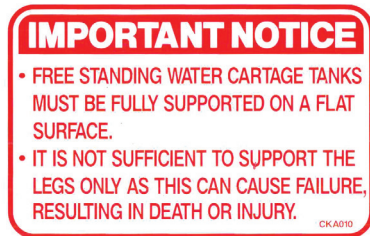
Copy of stickers attached to tank are shown below. Please ensure that these instructions are followed. Safety decals should be kept clean and legible at all times. If any decals are missing or unreadable, they should be replaced by ordering new decals from your Rapid Spray dealer. Use the part numbers shown. Replacement decals are supplied F.O.C.



CODE: **CKA008**



CODE: **CKA009**



CODE: **CKA010**



CODE: **CKA020**

On the following page is a recommended frame design for mounting our tanks.

WARRANTY IS CONDITIONAL ON TANK BEING CORRECTLY MOUNTED.

Liquid Surge

Rapid Spray strongly recommends the use of the Rapid Ball Baffle system to control liquid surge when in transit, particularly for tanks 800 litre capacity and larger. Please call 1800 011 000 for details.



Ball Baffles® – ARB355
Large Ball Baffle ø355mm

1 Ball Baffle per 40L of tank capacity



Ball Baffles® – ARB195
Small Ball Baffle ø195mm

1 Ball Baffle per 7L of tank capacity

Know Your Diesel Tank

Choose from a complete range of sizes from 50 to 10,000 litres

Innovative splash resistant breather system specifically designed for diesel transport

Filler cap with strainer. Safety chain to prevent loss. Pad-lockable cap



Pad-lockable filler cap



Removable plate allows access to tank



Earth strap to prevent static build-up

Spill containment lip surrounds lid

2" pump access



Drain plug

Surefit
Pin mounting points for secure mounting

Operation

Your diesel unit is supplied with a comprehensive pump use and maintenance manual (Located at the end of this manual in Appendix 1). Be sure to have read and understood its contents prior to operation. The information below is in addition to this manual and must be read and understood before attempting operation.

1.1 SET UP AND INSTALLATION

1.1.2 MOUNTING. Your diesel tank comes assembled and ready for operation; however before operation it is important that you ensure tank is mounted/installed correctly.

- There are two main ways of securing your tank.
- Tank comes with moulded in recessed areas for strapping down lengthways.
PLEASE NOTE: This method is designed as a temporary means of securing tank to vehicle in situations where tank needs to be removed frequently.
- For more permanent installations, or for fitting tank to RAPID DIESEL forklift-able frames, brass inserts have been moulded into the base of the tank. When using these inserts to mount your tank, ensure you use the correct length bolt for the task, to prevent damage to the tank.

1.1.3 PRE-OPERATION CHECK. Before operating unit, perform a pre-operation check to ensure that damage has not occurred during delivery of the unit.

- Check all fittings and hoses for tightness and damage.
- Check tank, including base for any excess abrasion or transport damage.
- Check electrical leads, note any abnormalities or damage.
- Remove filler Cap and filter and gun from holder. Ensure all moving parts operate freely.

1.1.4 CONNECT TO POWER SOURCE (WHERE APPLICABLE). If your unit is fitted with a transfer kit, it is essential that transfer kit is connected to a power source in accordance with local Electrical and vehicle safety legislation. When connecting your transfer kit please note the following points.

- For 12/24VDC transfer kits, use appropriate vehicle power source or supply. (12 or 24V)
- It is strongly recommended that a Qualified Auto Electrician be contacted if connecting transfer kit to vehicle power source permanently.
- All installations must be fused appropriately in accordance with pump manufacturer's specifications. (See pump manufacturers manual supplied)
- If mounting unit to vehicle permanently, it is recommended that a moulded pair type Anderson plug rated to at least 50A be used.
- All 240V installations must be completed by a qualified electrician.

Operation (Continued)

1.2 OPERATION

1.2.1 TANK FILLING PROCEDURE. The following procedure is recommended for filling tank.

- Ensure tank is in an adequately ventilated area.
- Use earth lead supplied, to ground tank to earth stake or earth point provided at refuelling depot.
- Remove filler cap, do NOT remove filter.
- Insert supply nozzle into filler opening and operate supply to fill tank to desired level.
- Remove fill nozzle and replace cap.
- Remove static lead.

1.2.2 TEST UNIT. Before using unit for refuelling, it is recommended that you check operation of the unit by inserting the nozzle into the tank filler neck and running the pump for a short period of time.

1.2.3 REFUELLING. When refuelling other vehicle with your Rapid Diesel tank, it is recommended that you follow the procedure listed below.

- Ensure tank is in an adequately ventilated area, and within reach of your refuelling hose.
- Using supplied static lead, ground tank to be refuelled, by attaching the lead to chassis or other metal component near tank.
- Remove fuel cap of tank to be refuelled and insert nozzle.
- Turn pump on and operate nozzle until tank has reached desired level. (IMPORTANT: Auto Nozzle will shut of automatically when tank is full. NEVER leave tank or Nozzle unattended while filling)
- Turn off pump. (NOTE: during the course of normal operation, pump will operate in bypass mode, if nozzle is shut or restricted. This is usually indicated by a change in pump tone (noise). It is NOT recommended that pump be allowed to bypass for more than 3min. Doing so can irreparably damage the pump and will void warranty.)
- Remove nozzle and replace filler cap.
- Disconnect static lead.

1.2.4 PACK UP AND DECONTAMINATION. After you have completed refuelling procedure for the day ensure you pack nozzle and delivery hose away neatly to prevent tangles or hose kinks and to make it easier to access for future use. If any spillage has occurred during refuelling operations, ensure this is cleaned up in accordance with local environmental and safety regulations.

IMPORTANT NOTE: Store Diesel unit only in a dry well ventilated area, free of any sources of fuel or ignition.

Warranty

Warranty Policies and Procedures

The following warranty is the only warranty applicable to RAPID SPRAY products, and to the maximum extent permitted by law, overrides any other conditions or warranties expressed or implied on RAPID SPRAY products.

Other than legislative obligations to the contrary, RAPID SPRAY will not be liable for and incidental or consequential damages arising from the ownership or use of a Product.

No person, including any dealer or representative of RAPID SPRAY is authorized to make any representation or warranty on behalf of RAPID SPRAY in addition or inconsistent with these provisions. Purchasers to whom these provisions apply agree to hold RAPID SPRAY not liable for claims by their customers in excess of the obligations of RAPID SPRAY expressly set forth herein.

NOTE: All tank and spray systems must have their warranty activated by returning warranty card located at the end of this document within 21 days of purchase by the end user.

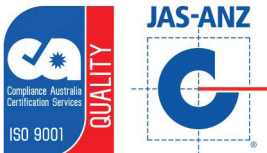
The Warranty

All products sold by RAPID SPRAY are guaranteed to be free from defect in materials workmanship or manufacture for a period of 12 months from the initial date of purchase, excepting the following exclusions;

FLUID pumps distributed by RAPID SPRAY are covered by a 2 year guarantee from date of purchase.

Any parts/products found by RAPID SPRAY to be defective, either in material or workmanship will be replaced or repaired within this period, at no cost to the initial purchaser if following conditions are met:

- The item has been operated in accordance with all instructions provided.
- Item is still owned and operated by original purchaser.



WWW.JAS-ANZ.ORG/REGISTER



The following things are expressly excluded from the above warranty.

Abuse	Failure as a result of neglect, such as improper operation. Lack of maintenance or continued operation after discovery of a defect that leads to further damage
Alterations	Any unauthorized alteration, modification, attachments or unauthorized repair to equipment.
Clean-Up Time	RAPID SPRAY does not pay for cleaning of products, parts or accessories or work area before or after the warranty repair.
Damage	Damages or machine/component failure caused by carelessness/recklessness or accidental damage, improper operation, excessive speed, inappropriate storage or transportation.
Environmental Conditions & Application	Deteriorated or failed components such as o-rings, diaphragms, hoses, seals and connections damaged by corrosive chemicals, dirt and sand, excessive heat, moisture or other environmental impacts. Warranty determination on these type of failures will be made by RAPID SPRAY, only after inspection of the failed component.
Inability Unsuitability	In no event shall RAPID SPRAY be liable to any person for indirect or consequential damages or for injury or commercial loss resulting from any use or inability to use any RAPID SPRAY product.
Maintenance	Component failure due to failure to perform maintenance services such as, oil and grease changes/top-ups, failure to clean tanks, pumps filters, nozzles and spray lines. Failure to tighten or replace loose or missing bolts, nuts, fittings, shields and covers.
Non-Genuine Parts	Use of parts other than RAPID SPRAY parts for repair of warranted items will automatically negate any warranty. Warranted components must be replaced with genuine parts.



Registering your warranty couldn't be easier!

Warranty Registration

You can register online at www.rapidspray.net/warranty-registration or complete all the details below and post this form back to:

Rapid Spray, PO Box 3119, Singleton NSW 2330

Model Serial No

Purchased From
(Dealer Name & Town)

Purchaser's Name

Purchaser's Address

Purchaser's Phone Number

Disclaimer: If you don't want us to keep you informed of new products, please tick this circle

To help us help you further, please complete the following:

Purchaser's Age

- Up to 25
- 25 – 40
- 41 – 55
- Over 55

Principle Usage

- Commercial farm
- Hobby farm
- Industrial
- Other
- Town council
- Hire company
- Home

What influenced you to purchase a Rapid Spray product?

- Catalogue received
- Newspaper advertisement
- Magazine advertisement
- Dealer recommendation
- Friend's recommendation
- Better features than other competitors
- Quality & reliability
- Price
- Past experience with Rapid Spray products
- Website

What other Rapid Spray products do you use?

- Spray tanks
- Cartage tanks
- Diesel tanks
- Fire fighters
- Boom sprayers
- Bertolini pumps & controllers
- Inter knapsacks | Compression sprayers
- Other





Call us on 1800 011 000 or
visit www.rapidspray.net

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PO Box 3119 Singleton NSW 2330
www.rapidspray.net

Telephone 1800 011 000
Facsimile 02 6571 2951

Rapid Spray Liquid Management Systems

