



TransTank®
International

OPERATOR'S HANDBOOK

www.tti.com.au

FirePatrol15™

Braked - Registrable and Unbraked
Water Cart Trailer



Manufacturer of **The Safest Tanks in Motion**

Table of Contents

Introduction	3
Risk Assessment	4
Operating Instructions	5
Start Up Procedure	6
Maintenance	6
Quick Fill Unit	7
Deflector Spray Head	8
Maintenance	8
Warranty	9
Warranty Limitations	10
Warranty Registration Card	11



Introduction

Please carefully read your operators handbook before mounting or using your Fire Attack Unit. Keep your handbook in a safe place.

Congratulations on your purchase of a TTi FirePatrol15 Fire Fighting Unit which is complete and ready to mount onto a suitable ute or truck.

Your Safety

1. When mounting to any vehicle ensure that you have read the Vehicle Owner's Manual and that you comply with all the weight restrictions as 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. In particular, be aware of Rural Fire Service guidelines for safety when fighting fires or backburning.
3. Select and wear appropriate Personal Protection Equipment in accordance with the label of the product you intend using and your own safe work practices.
4. Once the spraying operation has been completed, decontaminate the tank and spray accessories. Dispose of tank rinsings in compliance with current environmental, work place health and safety regulations.
5. Improper or careless use of this unit can cause serious injury. Minors should never be allowed to use this sprayer. This sprayer should not be used when bystanders or animals are in the area. This sprayer should never be used while children are in the area.
6. Never leave the unit unattended without turning off the engine and relieving the line pressure, and flushing the unit of any harmful chemicals.
7. You must be in good mental health to operate this unit and not be under the influence of alcohol or any drugs that could impair your vision, physical strength, dexterity, judgment, or other mental capacity.
8. All operators must be trained in safe use of this unit.

Risk Assessment

Product Information Risk Assessment Sheet

TTi - FirePatrol15™ Unit

TASK	HAZARDS	RISK	CONTROL MEASURES
Partially fill the tank with water, start the motor & test the spray unit	Manual handling; slips, trips or falls; petrol; fumes; fingers jammed	Med	<ul style="list-style-type: none"> Concentrate on task; 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 away from overhead powerlines fire extinguisher nearby follow warning stickers on tanks wear PPE for petrol & fumes-mask & gloves
Check weather conditions & select the appropriate PPE to suit the chemicals to be used	Manual handling; slips, trips or falls	Low	<ul style="list-style-type: none"> Put on PPE as per the chemical requirements in the Material Safety Data Sheet-coverall, gloves, safety footwear, glasses & respirator; Follow safe manual handling techniques:- don't lift on your own if >20kg, bend knees & keep back straight.
Mix chemicals (if applicable) Fill spray tank/fire fighting units	As above; spray drift, chemical spillage, emission of vapors or flammability; weather; untrained visitors	Med	<ul style="list-style-type: none"> As above; User trained in the state's chemical mixing & administration course eg Chem. Cert; Follow the relevant Environment Protection Authority requirements; fire extinguisher present; Keep visitors away from the job unless wearing full PPE.
Use spray or fire fighter units.	As above; loss of load; heat & cold; noise; exceed load limit of vehicle; hose entanglement; exhaust fumes; terrain & slopes; run over by unit	High	<ul style="list-style-type: none"> As above Wear clothes to suit heat & cold; Wear hearing protection if noise > 85 dBA; Follow the manufacturer's safe operation instruction for the vehicle and the spray unit Don't overload - water weighs 1kg for every 1 litre Secure load to vehicle; Keep hose tidy; Put unit brakes on.
Clean up, maintenance & storage	As above	High	<ul style="list-style-type: none"> As above; Continue to wear PPE for clean up; Store unit in a dry, well ventilated area.
Burn Risk	Hot exhaust/muffler	Med	<ul style="list-style-type: none"> Do not reach over hot exhaust Do not service engine while hot Wear appropriate PPE

Operating Instructions

Before First Use

1. Check all hoses, connections and hose clamps to ensure that the unit has been delivered to you without transportation loss or damage.
2. Before attempting any spraying with your new unit, operate it with water only to familiarize yourself with its features and capabilities and to ensure that your sprayer has arrived in a safe working condition. Please contact your dealer immediately should anything appear to have been damaged.
3. Couple the unit to the towing vehicle by placing the tow hitch over the tow ball of the vehicle. Ensure it locates correctly.
4. Plug the 7-pin trailer plug on to the plug of the towing vehicle ensuring that they firmly lock. Test the brake lights and indicators.
5. Prepare the engine for use as per the engine manual supplies with your sprayer. Ensure that the correct quantity and type of oil is used when filling the engine.

Operation

1. Fill tank from appropriate water source. Open ball valve on suction hose at bottom of tank. Start motor and allow to warm up. Bypass valve is fitted to the top of the pump and should be adjusted to allow bypass for warm-up period.
2. Unlock hose reel to allow hose to be pulled out. When using the fire fighter adjust the nozzle to desired spray pattern. Increase engine speed and adjust bypass to achieve desired flow rates. When job is finished turn engine off, rewind hose onto reel and lock reel to prevent unwinding. Close ball valve on suction hose.

Please note that the unit is designed for fire fighting use and not for chemical spraying. Please consult the manufacturer for further information.

Start Up Procedure

Prepare the engine for start up as per the engine manual and pump manual.

Add the spray solution to the tank (See "Mixing and Filling").

Ensure that the pressure regulator lever is in the 'open' position and the pressure adjusting knob is screwed out (anti-clockwise). Failure to do so will invalidate pump warranty.

Start the engine and allow it to warm up. Run the pump with the regulator lever in the BY PASS position in order to discharge entrapped air from the system for at least two minutes before changing the regulator to the closed position. (Rotate clockwise)

To set the correct spraying pressure, open the flow through the hand gun (discharge solution back to tank) and turn the pressure regulator knob in a clockwise direction until the required pressure is achieved. Spray nozzle pressure will vary according to hose length, nozzle size, etc. When the hand gun is released the increased pressure in the system will be automatically adjusted by the pressure regulator valve and excess flow will be returned to the spray tank.

Maintenance

After use the sprayer must be thoroughly decontaminated, inside and out, to prevent damage to the unit from corrosion or abrasion.

When storing the unit ensure that it is clean and dry and store in a well ventilated place.

If operating in areas where freezing occurs we recommend leaving anti-freeze in the pump, regulator and handgun while not being used to prevent possibility of frost damage.

Quick Fill Unit

Aussie pumps are designed for sucking water directly out of dams. The quick fill unit is a quick, environmentally safe way of sucking up water to fill the water tank.

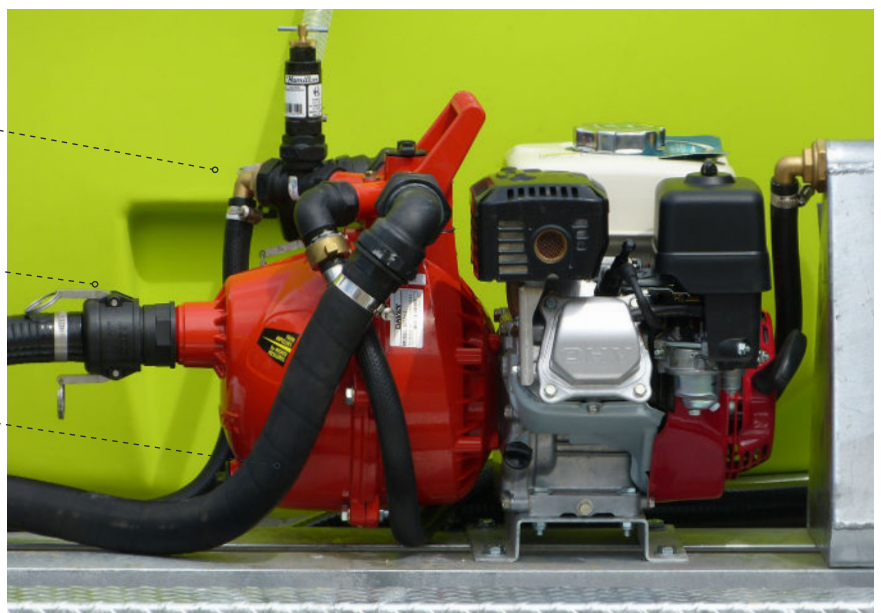
When using the quick full unit,

1. Remove the camlock cap from the discharge port of the pump
2. Detach the suction line connected to the pump and place it on the discharge outlet directly above
3. Attach the camlock fitting on the 'quick fill kit' to the suction line of the pump
4. Lower the opposite end of the quick fill hose with the filter into the external water source
5. Prime the pump by unscrewing the red cap on the top of the pump and filling it with water. Once full, screw the red cap back into place.
6. Open the tap on the outlet of the water tank and start the engine

Ensure water is being sucked in by the pump and discharged into the tank.

Position of Hoses for Normal Operation

- Discharge to
Hose Reel
- Suction from Tank or
Quick Filling Hose
- Discharge to Tank



Deflector Spray Head

Deflector Spray Head

The manual 1.5" spray head is individually controlled by a ball valve tap and feature wide spray pattern. to clean spray head, undo camlock fitting, remove contents inside spray head. Replace.



Maintenance

Maintenance

- Service motor & pump in accordance with instructions in the manufacturers manuals as supplied with this Fire Fighting unit
- Periodically (at least annually) check all hoses, nozzles and fittings for any sign of wear. Replace any parts which are worn or defective.
- If hose reel has not been used for any length of time. Unwind it fully to check that hose is in good order, pressurise the line & check operation of spray nozzle etc. Rewind & lock reel on completion as per hose reel instruction above.
- Check oil level in motor regularly & drain & replace oil according to manufacturer's recommendations in manual supplied.
- If Fire Fighting unit is to be stored for any length of time, disconnect battery, ensure tank is empty & no lines are under pressure. Store unit in a clean, dry, and well-ventilated area.

Warranty

Warranty Policy

TTi will, at its option, repair or replace, without charge, any part covered by this warranty which is found to be defective in material and/or workmanship within one (1) year* after date of sale to the original retail purchaser unless the product is used for rental purposes, in which case this warranty is limited to ninety (90) days. Upon request, the customer will make the defective part available for inspection and/or return the defective part to TTi, transportation charges prepaid. All parts and components are covered by this warranty except the following, which are warranted separately by their respective manufacturers: - engines, gearboxes, pumps & regulators. TTi does not assume any warranty obligation, liability or modification for these items, which are covered exclusively by the stated warranty of the respective manufacturers.

What this Warranty Does Not Cover?

- a) This warranty does not cover defects caused by depreciation or damage caused by incorrect mounting, normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations or failure to follow the instructions and warnings provided.
- b) The customer shall pay any charges for making service calls, clean up time and transport charges.
- c) The use of non-genuine parts on equipment supplied by TTi will automatically negate any warranty.

How to Optain Service Under this Warranty?

Warranty service can be arranged by contacting your dealer or by contacting Trans Tank International, Call 03 5866 3266. Proof of warranty registration and date of purchase may be required to verify warranty coverage. Any efective parts returned to us must be accompanied by a Return Goods Note. This form can be obtained by contacting Product support on **1800 816 277** or email **ProductSupport@tti.com.au**

Warranty Limitations

- a) There is no other express warranty.** Any warranty that may be implied from this purchase including merchantability and fitness for a particular purpose is hereby limited to the duration of this warranty and to the extent permitted by law. Any and all implied warranties are excluded.
- b) TTI will not be liable for any incidental,** consequential or special damages and/or expenses in connection with the purchase or use of this equipment, to the extent permitted by law.
- c) Only the warranty expressed in this limited warranty shall apply and no dealer,** distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements, whether oral or written, do not constitute warranties by TTI, and should not be relied upon.



Whilst every care has been taken in the preparation of these instructions, no liabilities can be accepted with regard to errors or omissions. Product specifications are subject to change in line with our commitment to continuous improvement.

Warranty Registration Card

To validate your warranty, please complete registration on-line at:

www.tti.com.au/warranty-registration

Alternatively if you are unable to register on-line fill in all the details below, copy and email to warranty@tti.com.au or post to the address on the back cover.



I have read and understood the instructions in this booklet.

Date Purchased: _____

Model: _____

Serial Number: _____
(located on side of tank)

Purchaser's Name: _____

Purchaser's Address: _____

Post code: _____

Phone #: _____ Mobile #: _____

Email Address: _____

Purchaser's Signature: _____





TransTank®
International

www.tti.com.au

1800 816 277

sales@tti.com.au

PO Box 137, Nathalia, VIC, 3638
Murray Valley Hwy, Nathalia, VIC 3638