



# Firefighter Unit

Installation, Operating  
& Maintenance Guide



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# Risk Assessment

## Coerco Firefighting Equipment

TASK	HAZARDS	RISK	CONTROL MEASURES
Testing the Firefighting Equipment	Manual Handling: slips, trips or falls, petrol, fumes, hands or fingers jammed	Medium	<ul style="list-style-type: none"> <li>• Concentrate on the task</li> <li>• Follow safe manual handling techniques</li> <li>• Don't lift on your own if more than 20kg, bend knees and keep back straight</li> <li>• Keep fingers clear</li> <li>• Keep unit at least 8m away from overhead powerlines</li> <li>• Fire extinguisher nearby</li> <li>• Follow warning stickers on tanks</li> <li>• Wear PPE for petrol and fumes- mask and gloves</li> </ul>
Appropriate PPE for Use	Manual Handling: slips, trips or falls	Low	<ul style="list-style-type: none"> <li>• Follow safe manual handling techniques: don't lift on your own if more than 20kg, bend knees and keep back straight</li> <li>• Wear gloves, safety footwear</li> </ul>
Cleaning, Maintenance and Storage	Manual Handling: slips, trips or falls, petrol, fumes, hands or fingers jammed	High	<ul style="list-style-type: none"> <li>• Must wear PPE, gloves, safety footwear, safety glasses and fume mask for cleaning the unit</li> <li>• Maintenance strictly to be done as per manufacturers guidance</li> <li>• Storage of units to be in clean, dry and wellventilated area.</li> </ul>

# Safety Information

Before operating the fire fighting unit, read the following safety instructions.

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

Whilst your Coerco fire fighting unit has been designed and manufactured to incorporate all necessary safety features, it is essential that any person who operates or works on the machine is aware of the safety precautions that should be exercised.

- This fire fighting unit is designed and manufactured solely for the purpose of pumping water. Under no circumstances should it be used for any other purpose.
- Before using the fire fighting unit, carefully read and ensure you understand the contents of this manual and any other manual supplied with the fire fighting unit, including the engine manual supplied.
- Before operating the fire fighting unit read all the safety warnings, which are attached to various parts of the machine.
- Never allow an inadequately trained person to operate the fire fighting unit.
- Always ensure the outlet end of the hose is sufficiently restrained before starting the fire fighting unit as water flow may cause the hose to move around suddenly.
- Never point the fire fighting hose at any person.
- Ensure the towing capacity of the vehicle is suitable for the loaded mass of the fire fighting unit. Refer to the vehicles operator's manual for safe working loads
- Exercise extreme care when operating in hilly or uneven terrain to ensure proper stability. Refer also to the vehicles manufacturer's operating and safety instructions.

# Coerco Trailer Fire Fighter Unit Specifications

<b>Tank</b>	<p>Baffled tank manufactured from impact resistant polyethylene.</p> <p>Capacities 400, 600, 800, 1000, 1500, 2000 litres</p> <p>355mm diameter screw down lid with basket strainer.</p>
<b>Engine</b>	<p>5.5 HP Honda GX160</p>
<b>Pump</b>	<p>Single impeller aluminium</p> <p>Max flow is 500 L/Min</p> <p>Max head is 60M</p> <p>Inlet size is 1 ½ inch BSP</p> <p>Outlet sizes is 1x 1 ½ inch BSP and 2x 1inch BSP</p> <p>Hose is 25mm diameter x 30m long fire fighting hose reel</p>
<b>Component</b>	<p>Two-way valve (suction line)</p> <p>Two-way valve (outlet to tank)</p> <p>5m x 38mm I.D suction hose</p> <p>Suction foot valve filter</p>
<b>Brakes</b>	<p>Mechanical brakes - Trailer units only</p>

# Operating Instructions

## Engine Operation

Before starting the engine for the first time read the safety and operating information in the Owner's Manual supplied with the fire fighting Unit.

## Engine Oil Level

On a level surface, unscrew the oil filler cap, wipe the dipstick clean and check the oil level. The oil should not be less than half way up the dipstick when it is inserted but not screwed home.

If necessary add premium quality detergent SAE-10W30 engine oil as recommended by engine manufacturer to the edge of the oil filler hole taking care not to overfill.

**NOTICE:** Running the engine with insufficient oil can cause serious engine damage.

## Starting the Engine

1. Turn the fuel valve to the ON position.
2. Move the choke lever left to the closed position. NOTE: The choke may not be needed if the engine is warm or the air temperature is high.
3. Move the throttle lever slightly to the left.
4. Turn the engine switch to the ON position.
5. Pull the starter grip lightly until resistance is felt, then briskly pull the starter cord all the way out.

# Operating Instructions

## Operating the Engine

1. As the engine warms up, gradually move the choke lever to the OPEN position.
2. Position the throttle lever for the desired engine speed.

## Stopping the Engine

1. To stop the engine in an emergency, turn the engine switch to the OFF position. Under normal conditions, use the following procedure:
2. Move the throttle lever fully to the right.
3. Turn the engine switch to the OFF position.
4. Turn the fuel valve to the OFF position.

## Adding Fuel

Stop the engine before refilling. Fill the fuel tank with unleaded fuel. Do not overfill the fuel tank.

## Operating the Pump

To prime the pump initially, it is necessary to fill the pump body with water before starting the engine.

Start the engine and open the hose nozzle and allow the pump to run until it is drawing water.

The pump will establish prime better at higher engine speeds. Never run the pump dry for longer than two minutes or pump seals will be damaged.



# Maintenance

It is important the pump and engine are serviced as per the manufacturer's instructions which will be supplied with the unit at time of delivery.

Hoses, nozzles and fittings should be visually checked every six months for any sign of wear or damage. Any damaged parts need to be replaced immediately.

If the 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 and check operation of the spray nozzle etc. Rewind and lock reel on completion as per hose reel instruction above.

If fire fighting unit is to be stored for any length of time, disconnect battery, ensure tank is empty and no lines are under pressure. Store unit in a clean, dry, and well-ventilated area.

## **Important Pre-Use Checks for Trailer Units:**

- Ensure tow vehicle is rated to the appropriate capacity.
- Tyre pressures on the trailers should be checked and should be at approx 36psi.
- All wheel nuts prior to towing trailer to ensure all are tight.

## **Brakes Maintenance/Inspection;**

### **HYDRAULIC BRAKES:**

- Inspect hydraulic brake lines for leakages before use.
- Ensure hydraulic fluid is kept at appropriate level. Replace fluid every two years.

### **ELECTRIC BRAKES:**

- Before use, press the button on top of the brake safe unit to test if charged. Light should come on. The brake safe is charged using black AUX so vehicle MUST have 12v power supplied.



# About Your Warranty

Coerco builds equipment to a high standard using components sourced from quality suppliers. The following information is provided to assist you with any repairs required within the warranty period.

- All warranty repairs on Coerco Pty Ltd products are carried out by Coerco Pty Ltd. If any warranty repairs are required on Coerco Pty Ltd products, it is recommended that the product be returned to the place of purchase.
- It is good practice to keep a record of equipment maintenance both during and after the warranty period.

The following information on warranty coverage explains the extent and limitations of your warranty coverage on Coerco Pty Ltd Products.

## New Product Warranty

This warranty is the only warranty applicable to new 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, Coerco Pty Ltd shall not be liable for incidental or consequential damage resulting from ownership or use of a product. Coerco Pty Ltd does not authorize any person to create for it any other obligation or liability in connection with these products.

Coerco Pty Ltd warrants its authorised agent, who in turn warrants the original purchaser (owner) of each new Coerco Pty Ltd product that it will repair or replace the product, or pay the cost of repair or replacement, as determined by Coerco Pty Ltd 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 purchaser for a period of five years.

# 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 Coerco Pty Ltd in a way which, in the sole and absolute judgment of Coerco Pty Ltd, adversely affect its performance or reliability.
- The replacement of maintenance items such as diaphragms, batteries, 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 Coerco Pty Ltd within a reasonable time following the delivery of the product, at the cost of the owner, to Coerco Pty Ltd place of business. The product will be repaired or replaced, using new parts supplied by Coerco Pty Ltd. Coerco Pty Ltd, 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

# Warranty Registration Form

First Name

Phone

Last Name

Product Type

Address (where Coerco product is primarily located)

Order Number (if known)

Suburb

Serial Number

State

Postcode

Capacity (if known) Litres

Postal Address (if different from above)

Date of Purchase

Postal Suburb

Distributor Name (Trading Name)

Postal State

Postal Postcode

Contact Name

Mobile

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