VEVOR

Upgrade · The Home Creator Way

# PORTABLE DIESEL TANK

**MODEL: TKA400-E**

**VEVOR Support Center**

TKA400-E(Grey)

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Upgrade·The Home Creator Way

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**MODEL:** TKA400-E



Photo for reference

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

**WARNING:**

1. Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

2. The product complies with relevant standards and regulations. Installation of this device must comply 2 with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.

3. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

4. Children shall not play with the appliance.

5. This product shall not be used by children. Keep the product out of reach of children.

6. This product is intended to be used in household and similar applications such as:Stores diesel, providing it for construction machinery, yachts, family estates, agricultural machinery, etc.

7. Please properly keep product. Check whether the product is abnormal before use. If it is abnormal, please stop using it.

8. Please use the product according to the intended use, warn of potential injury from misuse.

# Part List




Photo for reference

**GENERAL:**

All transfer units come standard with an Auto shut-off gun and all pumps feature a duty cycle for 30 minutes of continuous dispensing, all pumps also contain an internal bypass that allows for the pump to operate for up to a maximum of three minutes when the filling nozzle shuts off without damaging the pump or motor.

**SPECIFICATIONS;**

**TANKS:**
Made from impact resistant polyethylene,UV stabilized,coloured grey and fitted with lid and breather.

**GUN:** Trigger filling nozzle with automatic shut-off and hose swivel.

**DELIVERY HOSE;** 4mx3/4 inch Diesel Delivery hose supplied.

**FILTRATION:** Suction foot screen filter

**PUMPS:**

| Power Output | Volts | Open Flow | Motor Duty Cycle | Internal Bypass | Power Cord | Motor Speed | Internal Fuse |
|---|---|---|---|---|---|---|---|
| 140W | 12V DC | 40L/min | 30 minutes | Yes | 4m with alligator clips | 2600RPM | 25 AMP |

**Safety Instructions (cont.)**

The location and wording of the safety decal fitted to your 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 tocomply with these warnings could result in serious injury or death.




⚠ WARNING:This product contains a chemical known to the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
For more information go to: www.P65Warnings.ca.gov

**IMPORTANT OPERATIONAL NOTE-** The internal bypass fitted in all diesel pump models is designed to protect the pump and motor from damage when the trigger is shut off for a time no overtake the 2-3 minutes.

This is enough time for the operator to switch off the pump or recommence pumping. When the nozzle is off and the pump is running, the pump pressure increases and the electric motor load increases using more power (amps), which in turn generates more heat within both the pump and motor,risking increased wear or possibly, if the pump is not switched off.

# Safety Instructions




Before attempting to operating 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 to carry and pump 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 understand 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 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 in a vehicle

**Warning!** This Diesel unit should not be lifted when partially or completely full unless supported by an appropriate frame or pallet.

**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**

**When operate the diesel unit carefully read and take note of the following safety warnings.**
**There may be residual oil in the tank that cannot be pumped out.**
Failure to comply with these warnings may result in serious injury or death.

**Warning!** When operating the diesel unit not allowed to use fuel gasoline,only used for diesel.

**Warning!** When operating, the diesel unit needs to connect with a 12V battery.

# Operation and Installation

**PREPARING THE TRANSFER UNIT FOR OPERATION;**

For transport purposes some transfer units will be supplied with the Delivery hose and Automatic Shut-off gun disconnected from the pump.Before attempting to pump any Diesel ensure that the delivery hose is securely fitted to the pump's outlet, and that the Automatic Shut-off gun(with swivel)is fitted to the other end of the delivery hose.

**CONNECTING TO A POWER SUPPLY:**

All the diesel transfer units are fitted with DC electric motors that 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 the pump runs backwards,simply swap the clips on the battery.If you intend to extend the cable or add a plug,make sure it is of sufficient capacity 25Amps

**FILLING THE DIESEL UNIT;**

Ensure that the tank is supported on an even base that is capable of taking the weight.No Special equipment is required to fill 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.

**TRANSFERING DIESEL:**

The pump will need to prime itself upon first use. Turn the pump on and depress the trigger to allow air to bleed from the hoses, after a short time, the pump will have primed and delivery will commence.We recommend for this first priming that the lid is removed from the tank and the nozzle is directed back into the tank while pumping to avoid spillage or loss of diesel; with this done, the unit is now ready to operate. To dispense the pump must be turned on and the nozzles trigger depressed,the nozzle features an automatic shut-off which operates when fluid contacts the outer nozzle.Once the auto shut off operates 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.

## Maintenance

**The pumps have been designed and built to require minimal maintenance however, it is still important that you Always remove the pump from the power source before any inspection.**

The Vanes in the head of the pump will wear over time and require replacement.To extend the life of the Vanes,ensure that the filters are kept clean and the tank free of contaminants.If a reduced flow rate is noticeable,or a screeching sound is heard from the pump,dirt or debris may have entered the pumps and requires immediate cleaning before parts are permanently damaged.Periodically check the suction foot filter to ensure that is clean and free of debris.This should be done if there is a noticeable decrease in diesel flow rate.There is also a coarse screen mesh at the inlet of the Auto shut-off gun and it can be checked by removing the gun from the swivel.

# Trouble shoot

| TROUBLE SHOOTING GUIDE | |
|---|---|
| **Problem** | **Solution** |
| Pump does not operate | ·Ensure battery wires are connected to battery properly.Red Clip to +ve<br>·Check fuse(25A)under plastic pump switch cover is intact. |
| To Test &Repair if Pump does not operate | ·Remove pump end cover,connect power to White &Black wires to test<br>·If the motor still does not operate,remove 3 x head cover bolts & check for rust or obstruction,do not over tighten the screws when replacing the cover as this will jam the rotor against the cover and also prevent the electric motor from turning and blowing the fuse. |
| Pump Wiring Overheating | ·This can happen when pump is operated in bypass mode for longer than 3 minutes or if low voltage/amps.Ensure that pump is not left running for longer than 3 minutes without depressing Transfer Gun trigger.<br>The wiring loom has been extended using wire of insufficient gauge.25A wire is required and a matching connector |
| Pump makes a squealing/scratching sound while running | ·This can be caused by dirt or debris entering the pump and becoming caught in the working parts.Remove the end cover of the pump by first unscrewing the three Socket Head screws and lifting off the cover.Clean the impeller vanes ensuring you remove any dirt particles caught between the ends of the vanes and the impeller housing.Do not over-tighten head screws when reassembling. |
| Pump stalls when Transfer Gun trigger is released, and pump is running | ·The non-return valve in the outlet of the pump may be jammed shut.Remove the outlet hose from the pump.Operate the white plastic valve is in the outlet port of the pump manually (by pushing it in and out),to ensure it moves freely. |
| To Test &Repair if the Pump s running but low or nil flow from nozzle | ·Remove gun from hose &re-test,Run the hose into the tank filling neck while checking<br>·If flow improves,check hole in the end of the nozzle for blockage<br>·Replace gun as required |

| | |
|---|---|
| Pump runs but does not pump | ·Check red alligator clip fitted to positive terminal,black to negative.If it is the wrong way around the pump runs Backwards<br>Check that the suction hose and foot filter are immersed in diesel.The suction hose may be bent up out of the diesel.<br>·If pump is brand new or has not been used in a long period of time unscrew automatic gun from hose and put hose in filler neck to prime pump |

## Matching kit

Diesel tank * 1

Filter * 1

Refueling gun * 1

Diesel Hose * 1

Liquid level gauge * 1

Diesel pump * 1

Metal lock * 1

Instruction manual * 1

**CORRECT DISPOSAL**



This product is subject to the provision of European Directive 2012/19/EU. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

## FCC Information:

**CAUTION:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This product may cause harmful interference.

2)This product must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications to this product not expressly approved by the party. Responsible for compliance could void the user's authority to operate the product.

**Note:** This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception,which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

· Reorient or relocate the receiving antenna.

· Increase the distance between the product and receiver.

· Connect the product to an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for assistance.

