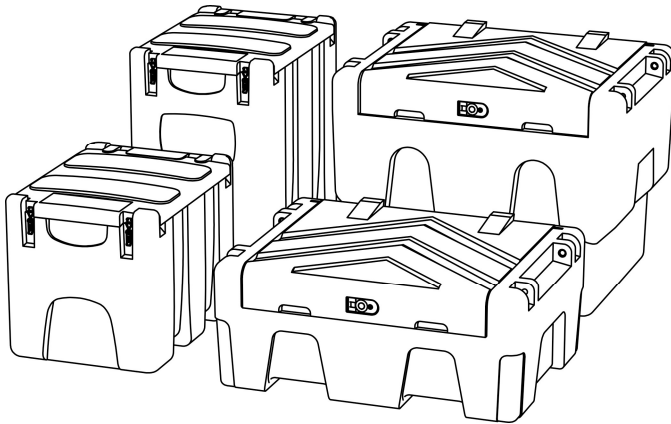


TruckMaster®

Mobile tank for distribution and transport of diesel

(US) Operating and safety manual



February 2019

Ver. 1.01

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2. SAFETY INSTRUCTIONS



This manual contains important operating and safety information and warnings. Read this manual thoroughly and carefully and follow all the guidelines contained therein.

This manual is intended for information purposes only and should not be regarded as a source of law. Following these guidelines does not release the user from complying instructions in diesel material safety data sheet, the local regulations on H&S, fire protection and environmental protection. The manufacturer is not liable for damages or losses caused by improper use of the product and failure to comply with applicable regulations.

Store the manual in a safe place for future use. The manufacturer reserves the right to change the wording of this manual without prior notice.

3. INTRODUCTION

This is the operating and safety manual for a mobile tank for distribution and transport of diesel.



Before first use, please read this manual and follow its guidelines. This manual will be your guide for many years to come and will allow for safe operation of the product. Furthermore, these guidelines are part of the warranty conditions. Failure to follow them may result in the loss of warranty.

4. TRUCKMASTER® USE

TruckMaster® is designed for the land transportation and distribution of diesel fuel with a flash point range of above 140°F (60°C) and below 200°F (93°C).



Using the tank for storage, transport or distribution of gasoline and other liquids is prohibited and may result in an explosion. Moreover, do not use the equipment for long-term storage of liquids.

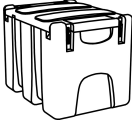
TruckMaster® are categorized as non-bulk packaging as their volume is less than 119 US gallons. Therefore, they are exempt from the Department of Transportation (DOT) regulations for the transportation of combustible liquids.



The manufacturer is not liable for damages or losses caused by improper use or failure to observe the rules applicable to this type of equipment.

5. TECHNICAL SPECIFICATIONS

TruckMaster® is available in four sizes. Technical data for each product is presented on the next page. The detailed technical specification of each tanks is dependent on the version of the tank and optional accessories.



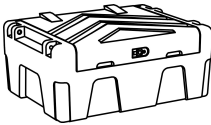
TruckMaster® 53

dimensions (W × D × H)	2' × 2'7" × 2'
nominal capacity	53 US gal



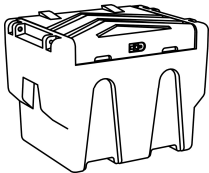
TruckMaster® 79

dimensions (W × D × H)	2' × 2'7" × 2'11"
nominal capacity	79 US gal



TruckMaster® 53
(low profile)

dimensions (W × D × H)	3'10" × 2'10" × 1'8"
nominal capacity	53 US gal



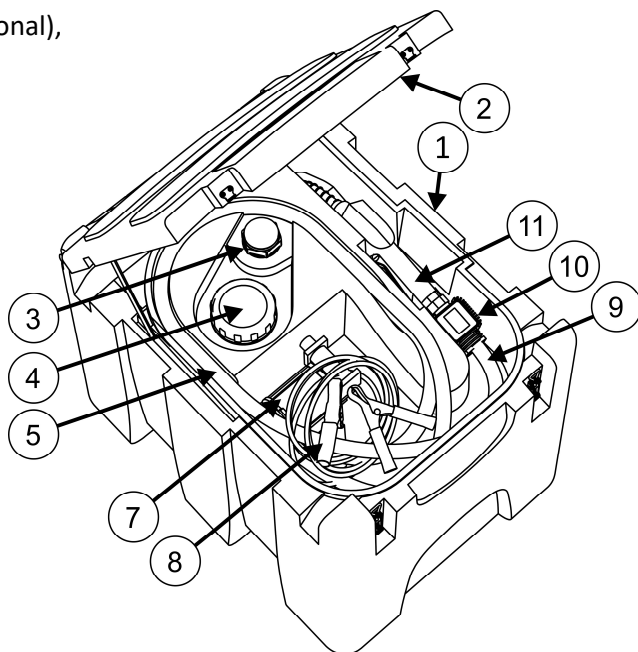
TruckMaster® 114

dimensions (W × D × H)	3'10" × 2'10" × 2'11"
nominal capacity	114 US gal

TruckMaster® consists of a polyethylene rotationally molded tank and a distribution set that allows refueling of vehicles and other equipment.

Tank distribution system consists of the following elements (they may vary depending on the actual specification of the tank):

1. polyethylene tank,
2. lid,
3. vent,
4. inlet,
5. hose/suction pipe fitted with a mesh filter,
6. shut-off ball valve¹,
7. pump²,
8. pump supply cord with clamps or plug,
9. distribution hose,
10. flowmeter (optional),
11. filling nozzle.

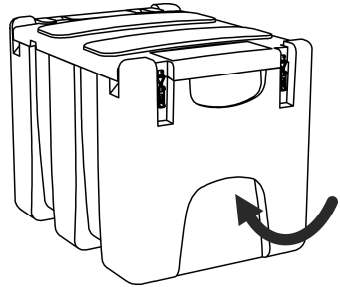


¹ Only in TruckMaster® 114

² Available options depend on the model of the tank

6. HANDLING

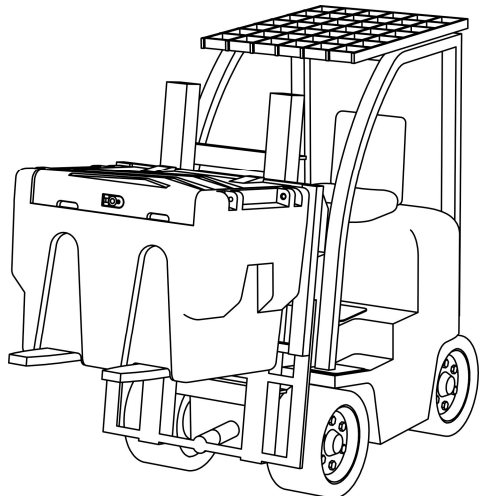
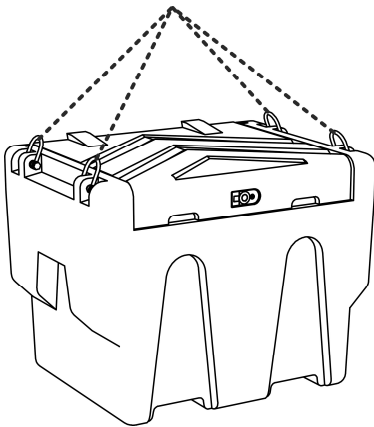
An empty TruckMaster® tank can be lifted using the handles on the sides of the tank. The weight of the lifted device must not exceed the limit values specified in the Occupational Health and Safety regulations for lifted items.



Each tank comes equipped with special channels at the bottom for convenient lifting with a forklift when the tank is filled.



Some tanks also come with lifting points for attaching special shackles when using a crane or other lifting equipment. Pushing or moving tanks on the ground is prohibited.



7. TRANSPORT

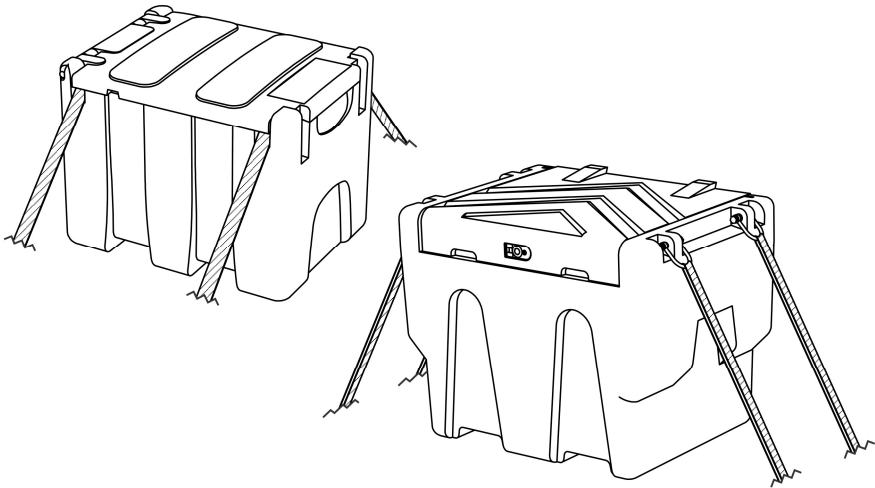
When placed on the vehicle, the tank must be adequately secured to prevent displacement while respecting international and local regulations concerning traffic, securing and transport of cargo.

Tanks have special features to allow securing of the device to the vehicle by belts. Examples are shown in figures below.



Prior to transporting the product, make sure that the lid and the filling nozzle are closed. When handling TruckMaster® 114 make sure that the ball shut-off valve before the pump is locked.

Pump power cord and distribution hose must be rolled up and tucked under the lid. Filling nozzle should be placed in the designated holder.



8. FILLING A TANK

The tank should be filled through the inlet using a dispensing nozzle as used in dispensing units of gas stations (see Section 5).



It is forbidden to fill the tank directly from a tanker. Moreover, TruckMaster® can be filled only with diesel fuel with a flash point range of above 140°F (60°C) and below 200°F (93°C). Liquids outside this specified flash point range are forbidden to be stored and dispensed from this product. The maximum filling rate is 25 US gal/min and it should not be exceeded. Pay attention to the vent and check if it is not blocked when filling a tank.

9. CONNECTING THE PUMP

Before refueling, the pump must be connected to a power source. Depending on the specifications, TruckMaster® can be equipped with a pump powered by a 12 V DC and/or 24 V or 110 V AC 60 Hz. The supply voltage of the pump must be consistent with the voltage stated on the pump nameplate.



Wires of the DC-powered pumps must also be correctly connected, namely, the black wire must be connected to the negative and the red wire connected to the positive pole.

More information can be found in the pump manual included with the device.

10. VEHICLE REFUELLING

Before refueling, the vehicle pump must be connected to a power source (see Section 9). Also, when using TruckMaster® 114, make sure that the ball shut-off valve before the pump is open. Turn on the pump using the switch and insert the filling nozzle into the fuel tank inlet. Refueling will start within two minutes after pressing the nozzle pushbutton.



When handling tanks that are not equipped with automatic filling nozzles, pay attention to prevent tank overflow as they do not automatically cut off the flow.

Do not start pumping when TruckMaster® is empty. Therefore, the pump should be shut off immediately after draining the tank. Pumping while the contents of the tank is empty can cause damage to the pump. The maximum pump running time is indicated on the nameplate or in the pump manual that is included with the device. Do not exceed the stated maximum pump operating time to prevent overheating the pump.

11. FLOWMETER

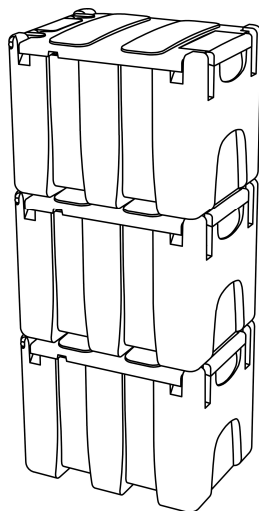


Depending on the specifications, tanks can be equipped with a flowmeter. Information on flowmeter usage can be found in a separate guide included with the device.

12. STORAGE

Store the products in a dry place. Protect from sunlight. Only temporary storage of diesel in the tank is allowed, subject to compliance with local fire protection and Health and Safety regulations including those for storage of hazardous materials.

After use the pump power cord should be disconnected from the power source and the unit lid should be closed. The lid is shower proof and protects the tank and equipment from light and moderate rain, but is not water tight.



All tanks can be stacked on top of one another (up to 3), but only if they are empty. It is forbidden to stack fully or partially filled tanks.

13. MAINTENANCE

Keep the tank and its equipment clean and in good condition. Before each use, check the product for damage. In particular, ensure that the structure of the tank is not compromised, all connections are tight, and the pump power cord is not damaged.



Do not use a damaged or poorly marked tank.

14. WARRANTY



Prior to leaving the factory, each product was carefully and thoroughly checked in terms of safety and operation. If you spot a defect or damage, contact your dealer or manufacturer.

Warranty details are in a separate document included with the product.

15. ACTIONS IN THE CASE OF ACCIDENT

In the case of leak or overfilling a tank, safety actions should be immediately taken as described in the safety data sheet of diesel.



In particular, quickly and safely stop or reduce the spill of diesel by sealing the tank or by cutting off the flow of diesel (in the case of events occurring during the filling of a tank). Depending on the size of spill and its location, transfer the spilled diesel into another container or soak up with an appropriate absorbent material (e.g. sand) and dispose of safely following local regulations.

It is important to be aware of your local regulations and guidelines in the event of a spill occurring. It may be a requirement to immediately inform the local authorities, e.g. environmental agency or technical inspection office, about the spill of diesel and the damage of tank.

16. COMMON PROBLEMS AND SOLUTIONS

Problems relating to the operation of either pump or flowmeter are described in separate instruction booklets included with the tank. The following circumstances may occur when operating the device:

Problem	Possible cause	Remedy
Tank walls buckled slightly when the tank was full.	Symptom typical for plastic tanks with no effect on the functionality of the device.	-
Tank walls collapsed when refueling vehicle.	Vent is clogged or damaged.	Stop refueling the vehicle and eliminate the fault / clean or replace the vent.
Pump does not work.	No power or inadequate power is supplied to the pump.	Check if the pump is connected to the correct power source.
	Pump is damaged or blocked.	Repair or replace the pump.
Pump is operating but no diesel is fed.	The tank is empty.	Turn off the pump and fill the tank.
	Ball shut-off valve is closed (applies to TruckMaster® 114).	Open the valve.
	The sucking system is blocked.	Clean the hose / sucking pump, especially the end filter. Clean the distribution hose and filling nozzle.
	The turbine of a flow meter is blocked.	Clean the turbine and unblock it.
	Distribution hose or filling nozzle is blocked or there is air in the pump.	Wait 2 minutes and if this does not help, unscrew the filling nozzle and re-start the pump.
The filling nozzle prematurely cuts off the oil supply.	Refueling speed is too high.	Reduce the flow velocity.
	The tip of the filling nozzle is too close to the walls of the inlet.	Reposition the filling nozzle.

Problem	Possible cause	Remedy
The flowmeter LCD does not work	Batteries are used up.	Replace batteries.
The flowmeter does not count, but the flow rate is correct	Incorrect installation of gears after cleaning. Possible electronic card problems	Repeat the reassembly procedure. Contact your dealer.

17. DISPOSAL

After use, the tank must not be disposed of with other unsorted waste. Tanks must be disposed of with the help of a specialized company or by delivering it to the facility accepting electronic waste and diesel fuel-contaminated equipment.

18. PRODUCT MODIFICATION AND SPARE PARTS



Product must not be modified without the written permission of the manufacturer. When repairing the tank, use only the OEM spare parts available at manufacturer or distributor. Failure to observe this requirement will result in the loss of warranty rights.

The manufacturer is not liable for damages and losses caused by the modification of equipment or use of parts other than OEM spare parts.

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