

USERS GUIDE
MOBILE DIESELOIL TANK
WITH PUMP
TYPE FIELDMASTER



FIELDMASTER



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1. GENERAL

The Fieldmaster is a tank for the transport of diesel. This may only for your own use, and not for commercial application.

The tank is equipped with a pump on 12 V or 24 V, and is intended for filling machines such as excavators agricultural machinery with their fuel.

It can only be used for mobile transport.

Only use the tank for diesel fuel.

When transporting less than 900 liters in 2 tanks with a maximum of 420 liters, you don't need an ADR approval. Not for the tank, not for the driver.

2. STORAGE, TRANSPORT AND INSTALLATION PROCEDURES

The client acknowledges to have received a copy of this and agrees. The installation requirements should be read FIRST BEFORE placement.

In the event of loss by the customer of the installation requirements the customer must always ask for a new copy of the installation requirements at Boralit nv, or download them from the Boralit Web site.

Install the tank on a stable, flat and horizontal concrete plate (maximum angle of 1% allowed).

Make sure this surface is at least 10 cm longer and wider than the tank itself.

Never put tanks on sharp objects such as e.g. gravel.

Never install the tank close to a heat source (the tanks are fire class F).

Make sure there is a distance of at least 10 cm between the tank and any wall that should be in the proximity of the tank.

Always treat the tank carefully (especially in case of frost).

Avoid jolts or shocks.

The tanks are UV-stabilised so they can be installed outdoors: the tanks are protected to the damaging UV rays (max. 10 years in direct sun rays). If you place your tank under a shelter... the polyethylene will not suffer embrittlement, increasing the life span of your tank.

Close the lid.

The tank may only be manipulated by a fork-lift truck or a crane.
Use proper material for this.
For lifting with a crane, use the 4 lifting eyes (option)

Place the tank for transport so, that there is no chance of damaging it.
Also, make sure that he is well secured during transport.

Make sure during storage and transport the dispensing hose is rolled up on the tank, and the lid is closed



3. FIRST USE

Before the First use, you have to check for damages during transport. Also check if all the equipment is in place, and without damage.

If everything is in order, you can fill the tank with diesel. Do this through the filling opening of 2".

Be sure to not overfill the tank.

Connect the pump with a battery (be sure of the voltage (12 V or 24 V) and the polarization (+ = red))

The installation is ready to use.

4. TECHNICAL SPECIFICATIONS

Description	Volume	Height mm	Width mm	Depth mm	Weight in kg
Fieldmaster 12	400 L	900	1.200	900	53
Fieldmaster 24	400 L	900	1.200	900	53

5. ACCESSOIRES

5.1. THE PUMP

The pump is not a commercial pump.

Electric pump for diesel, composed of a self lubricating pump with DC motor, via flange mounted on each other. Includes by-pass valve, filter and an on/of switch. Drawing 1.

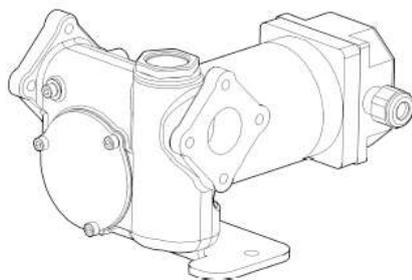
They are equipped with a connection box, IP 55 protected where the on/off button on is, as well as a fuse

The connection of the pump is to be done such as drawing 2

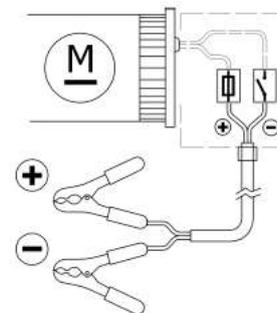
The deployment of the pump with its accessories you see in drawing 3

- 1: Suction kit.
- 2: Pump
- 3: Seal
- 4: Counter (option)
- 5: Rotary fitting
- 6: Hose of 4 meters
- 7: Automatic pistol

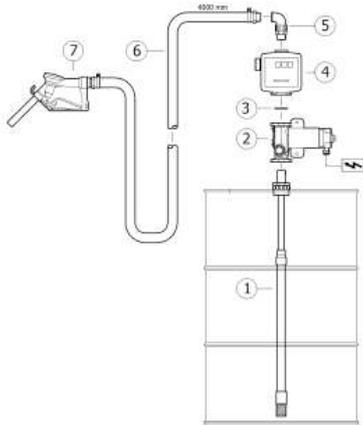
Never let the pump run when not in use.



Drawing 1



Drawing 2



Drawing 3

Possible problems:

Symptom	Possible course	Solution
Motor doesn't work	Now currant available	Check the connection to the battery and/or the fuse
	Motor is blocked	Check for any damage
	Motor doesn't work	Please contact our technical service
Now or not enough flow rate	Now or not enough diesel	Fill The tank
	Dirty filter	Clean the filter
	Blocked by-pass valve	Clean the valve
	Air in the suction	Make sure all connections are good, and no air in the suction
	Leakage	Check all connections and seals.

Technical specifications

Type motor	Power Supply		Power (W)	Current (A)	Speed (t/min)
	Tension type	Tension (V)			
FM12	DC	12	140	22	2.800
FM24	DC	24	160	13	2.800

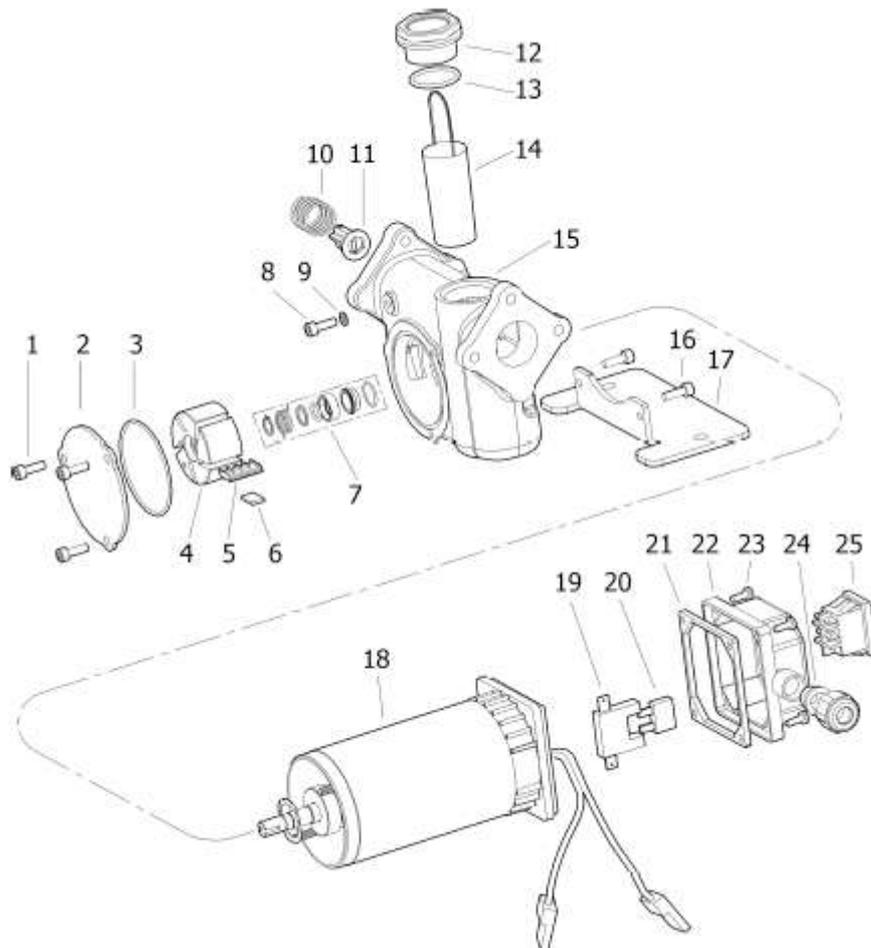
Parts list. Drawing 4.

Repair kits

Part nr	Nr van kit	Description
1,2,3	689680	Front cover
4,5,6	689681	Rotor with vanes
7	689682	Seal kit
8,9	689683	Antisiphon device
10,11	689684	By-pass valve
12,13,14	689685	Filter kit
18	689697	Elektric motor 12 V
18	689698	Elektric motor 24 V
19-25	689699	Electrical box assembly

Parts available separately

Part nr	Nr van kit	Description
3	689689	O-ring
5	689690	Vanes 5 units
14	689691	Filter
15	689692	Pump body
25	689694	switch



Drawing 4



5.2. THE FILL-CAP

The tank is equipped with a fill cap of 2", with a green cover.
Always use this opening to the tank fill.
Close the cover carefully during transport and handling.

5.3. THE AERATION

The tank is equipped with a aeration. They let air in the tank when refueling, as air from the tank at sucking. However, no diesel comes out during transport.

5.4. THE VOLUME MEASUREMENT

The volume measurement is an analogue measurement. It gives you the height of the liquid.

5.5. THE DIGITAL COUNTER (option)

The counter is not a commercial counter. There may be deviations up to 5% occur on the counter.
When the tank is full, don't "pump" with the pistol. That can cause a deviation of over 20% !!
Reinforced polyamide housing.
Equipped with 2 batteries type AAA



5.6. THE LIFTING EYES (option)

A set of 4 pieces, mounted on the tank.
They are useful for manipulating the tank with a crane
Always use the 4 lifting eyes !
Made in stainless steel.



5.7. THE PROTECTIVE CAGE (option)

For a better protection of the tank.
Welded metal construction.
Stackable up to 3 high. Ideal to save space during storage.
Equipped with 4 lifting eyes.



6. WARRANTY

We offer a 10-year warranty on all our facilities as far as evident manufacturing faults are concerned. Failure to comply with installation procedure and guidelines void warranty. All electronic and mechanic parts have a 2-year warranty.

The general sales and warranty conditions of Boralit count.