



Environmental

Biotank

1200, 2500, 3500, 5000 or 9000 litre tanks for biodiesel and rape oil with fuel distributor



Available
with wide
range of
equipment

Simple
operation
guarantees
easy and
safe use

Attractive
shape and colour
perfectly fit into
your landscape



**INCREASE YOUR PROFITS
BY REDUCING THE COSTS OF BIODIESEL!**



→ Advantages of using the Titan's Biotank for biodiesel with fuel distributor:

- You are no longer required to drive to a petrol station to refuel a machine or deliver the fuel in a petrol can,
- Elimination of additional costs of fuel purchase (time and cost of reaching a petrol station),
- Reduced operating costs, fewer fuel invoices,
- Bulk buying of biodiesel (lower prices),
- Higher quality of biodiesel purchased from a proven supplier,
- Total control of the volume of biodiesel the vehicles have been filled up with,
- Constant biodiesel supplies, independence from petrol stations,
- Available with wide range of equipment,
- Biodiesel can be stored outside, at a safe distance from the buildings,
- Simple operation guarantees easy and safe use,
- Excellent protection against leaks and odours due to approved "tank in tank" construction,
- Rigid, strengthened construction of the internal and external tank ensures high resistance against mechanical impact,
- The equipment helps to maintain the point of refuelling clean and tidy,
- Top quality polyethylene and state-of-the-art production technology ensure high protection against frost and heat,
- Solar and UV radiation resistance,
- Lockable cabinet with the distributor and other equipment prevents unauthorized access,
- Attractive shape and colour perfectly fit into your landscape,
- The tanks can be easily transported by a fork lift truck or a crane,
- Long lasting - won't fade, crack or corrode,
- They do not require any special maintenance,
- Wide range of standard equipment ensures optimum safety and functionality,
- OFCERT certificate, positive fire safety and environment protection opinion, type examination certificate by the Office of Technical Inspection,
- Quality certificate BS EN ISO 9001:2008, no. FM 57348,
- Biotanks are covered by a one-year warranty; the equipment carries a one-year warranty.

Biotank

STANDARD EQUIPMENT

- Fuel distributor equipped with an electric pump (230V), maximum capacity of 72l/min (3500, 5000 and 9000l) or 56 l/min (1200 and 2500l) for fluids with density 2-5,35 cSt.
- Analogue flow meter with two-function display (total and current volume), can be calibrated (accuracy +/- 2%).
- Lockable distributor cabinet.
- Integrated with the leakage detector, the oil level signalling device (Watchman Sonic Plus) consists of an ultrasonic probe level, a leak probe and a transmitter located in the device Biotank. The receiver can be powered from any 230V socket located up to 1000m from the tank.
- The display shows the current oil level (on a 10 grade scale) and information about a possible leak.
- Maximum level sensor, which works with delivery tank truck filling system.
- Automatic nozzle with 4m (1200 and 2500l) and 6m (3500, 5000 and 9000l) flexible hose.
- Lockable 16" inspection lid (in the external tank) for 3500, 5000 and 9000 litre tanks.
- Tight lid on the internal tank (140mm diameter).
- Vent in the internal tank.
- Flexible suction pipe with anti-return valve and strainer.
- 2" filler ferrule with a dry-coupling, positioned in the distributor cabinet.
- SpillStop overflow protection (on tanks with capacities ranging from 3500 litres).
- Earthing.

OPTIONAL EQUIPMENT

- Pump for distribution of rape oil with density 50-500 cSt (and temp. 37°C).
- Flow meters (see next page).
- 12m dispensing hose.
- Hose reel with an automatic lock (only 3500, 5000 and 9000 litre tanks); 5000l tanks are equipped with a bigger distributor housing.
- Active protection against excessive temperature drop in the form of solid state thermostat-controlled heating tape.
- Thermal insulation of the internal tank with a PU foam layer.
- Stirrer preventing sedimentation of biodiesel.
- 1" line to remove glycerine from the bottom of the tank.
- Replaceable filter to remove water and impurities bigger than 10 microns.
- TuffMaster - metal protective reinforcement for tanks up to 9000l.
- Pump switch integrated in the nozzle holder.
- Lighting distributor housing.



Level and leak sensor „Watchman Sonic Plus“

The Biotank is used for the storage and internal distribution of biodiesel. It has been designed and manufactured to ensure durability, reliability and little maintenance during operation. However, please note the following:

- Do not store petrol in the Biotank.
- The tank can be transported only when empty.
- The Biotank is to be installed observing instructions given in the Manufacturer 's Manual.
- Should there be any problems with the installation or use of the Biotank please contact the tank supplier or producer.

AVAILABLE CAPACITIES AND DIMENSIONS



BBT01200GN/*

BBT02500GN/*

BBT03500GN/*

BBT05000GN/*

BBT09000GN/*

Product code	Capacity [l]	Length [m]	Width [m]	Height [m]
BBT01200GN/*	1200	1.90	1.24	1.77
BBT02500GN/*	2500	2.46	1.46	1.85
BBT03500GN/*	3500	2.85	2.20	1.96
BBT05000GN/*	5000	2.85	2.23	2.34
BBT09000GN/*	9000	3.25	2.45	2.95

Product dimensions can differ by +/- 1%.

* The symbol ending depends on the product equipment, AF – analogue meter, DF – digital meter.

MU - distributor with multi-access (only 3500, 5000 and 9000l tanks), ZP - approved distributor (5000 and 9000l tanks).

FLOW METERS - OPTIONS

STANDARD OPTION WITH ANALOGUE METER

- Dual-function meter (current and total volume).
- Calibratable (accuracy +/- 2%).

OPTION WITH DIGITAL METER

- Dual-function meter (current and total volume).
- Calibratable (accuracy +/- 1%).
- The meter may be fitted with a digital counter including pulser instead of display (option), which gives the possibility to further extend the system.

OPTION APPROVED FOR USE BY THE CENTRAL OFFICE OF MEASURES IN POLAND (ONLY 5000 AND 9000 L TANKS) EQUIPMENT

- Distributing unit, initially approved for use by the Central Office of Measures.
- 380V pump, max. capacity of 40l/min.
- Electronic flow meter with analogue display indicating the volumes and values of the consumed fuel.
- Pump switch integrated in the nozzle holder.
- Connection to external tank data capture systems (option).

CODE-PROTECTED OPTION FOR UP TO 120 USERS (ONLY FOR 3500, 5000 AND 9000L TANKS)

Equipment

- Digital flow meter (without the approval of the Central Office of Measures – acceptable deviation +/- 1%).
- Microprocessor control system lets you register the amount of the consumed fuel for each user, each user has a unique PIN code.
- RS attachment to a printer or PC.

Options

- Computer software to create detailed reports on the outgoing fuel, data can be transferred to a PC via an electronic key or a permanent cable link.
- Electronic user code keys (alternatively to PIN codes).
- Permanent connection to a PC for automatic data transfer.

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Biotank is a perfect solution for companies and private persons using vehicles with diesel engines, e.g. trucks, building machines, fork lift trucks, tractors, etc.

BIOTANK IS DESIGNED FOR:

- Shipping companies and couriers,
- Building contractors,
- Agricultural producers,
- Construction service companies,
- Civil and Military logistic departments,
- Production facilities, Distribution centers, Warehouses.

LOCALIZATION OF THE BIOTANK:

The tank user is required to observe all the legal requirements concerning the installation and use of the product as well as recommendations of the local fire safety and environment protection services.

The following guidelines have to be fulfilled when selecting the location for the Biotank:

- At least 15m distance from houses and public buildings,
- At least 5m distance from other buildings and border of the premises,
- At least 10m distance from timberline,
- Tanks should not be put in places surrounded by buildings from all sides,
- Tanks should be located on a flat (levelled), even and stable surface made from non-combustible material.

More information on the location and use of the tanks is given in the documentation of the product.



Distributor:

TuffMaster – reinforced option

If the risk of collision is higher than usual, use the Biotank in a metal protective reinforcement.




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FM 57348

The exact hues of the colours presented in the flyers may differ, depending on the quality of print.

Product specifications may be slightly modified; to obtain an up-to-date equipment specification, contact the office or the nearest distributor.