



FIBERGLASS TANK VS. METAL TANK

COMPARISON



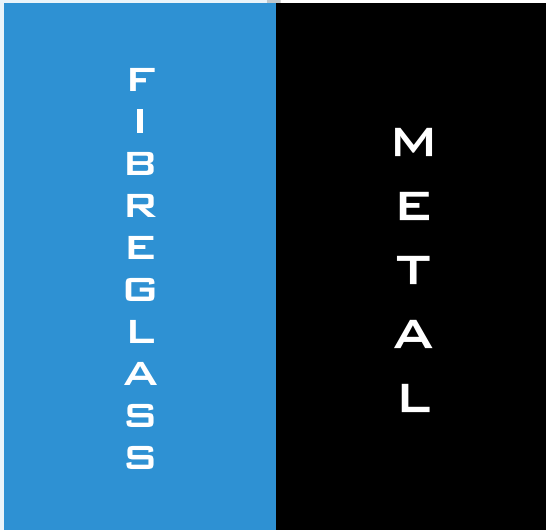
We will present a comparison of fiberglass tanks with traditional metal tanks, highlighting why fiberglass tanks are a better choice for modern and efficient farms.

EMPTY TANK WEIGHT

The lower weight of the fiberglass tank lowers the machine's center of gravity, which translates into better stability, driving comfort, and operational safety.

EXAMPLE

For example, the weight of the tank of a 30,000-liter slurry tanker is about 1,500 kg, making it several times lighter than its metal counterpart.



Compared to a 30,000-liter slurry tanker with a metal tank, it weighs more than 5,000 kg.

SUSTAINABILITY

Longer life of fiberglass tank translates into long-term savings



DURABILITY

No corrosion and high resistance to chemicals, able to work with UAN.

Damage repair possible.



DURABILITY

Susceptible to corrosion even when galvanized.

Difficult and often impossible to repair.

FILLING SYSTEMS AND PUMP OPERATION

Modern lobe pumps are more resistant to contamination, can handle dense material better, generate less noise, and their design minimizes vibration, further enhancing comfort.



PUMP

Flow lobe pumps (used by EM), have higher suction power and are more efficient in filling, especially with dense materials. They also offer the possibility of easy service, having the ability to easily unblock the pump with a reverser if a foreign object gets into it. An additional advantage is that the tank can be filled to 100% without foaming.

CONSTANT FLOW

The design of the pump and fittings allows constant flow and cooling, automatic switching of suction to mixing ensures efficient mixing of liquids and prevents precipitation of solids.

DENSE MATERIAL

The elements of the cam pump (used by EM), made of NBR rubber, are less sensitive to sand in the slurry, and very dense material, which increases their durability and operating efficiency

FILLING SYSTEMS AND PUMP OPERATION

PUMP

Most use vacuum pumps, which are less efficient, cause foaming of the material and limit the real capacity of the tank to 75%. In addition, they are noisy and prone to overheating with prolonged use.

METAL

NO CONSTANT FLOW

Air mixing systems, mounted on the bottom of the tank, cannot operate continuously due to lack of cooling, which risks overheating the pump.

PROBLEMS WITH DENSE MATERIAL

Vacuum pumps can't cope with dense materials, leading to overheating and a drop in performance during prolonged use.

ENVIRONMENT & ECOLOGY

Reduced emissions and a lower carbon footprint make fiberglass tanks more environmentally friendly.

CARBON FOOTPRINT

Lower vehicle weight results in lower fuel consumption, which directly translates into lower CO2 emissions.

More weight requires more fuel-intensive tractors, which increases emissions.

EFFICIENCY

Lower tractor power requirements reduce fuel consumption.

Higher fuel consumption with each transport cycle.

FIBREGLASS

METAL



TRUST THE SPECIALISTS IN
MANUFACTURING MODERN SLURRY
TANKERS.

EUROMILK

INNOVATION

RELIABILITY

SAFETY