



BULK CEMENT TANK TRAILER

ZW TRAILER GROUP

www.zw-trailer.net

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Material Difference

ZW bulk cement tank trailer material



We use Q345 steel to make chassis. our Q345 steel is made by big steel factories in China, like Shanghai Baosteel Group, Handan Iron and Steel Co.,Ltd etc. it has good comprehensive mechanical properties, low temperature performance, good plasticity and weldability. It can be used as structures which bearing dynamic loading.

VS

Other factories trailer material



Other factories use Q235, T700 etc. Q235 is with low wear resistance and low thermal strength. T700 is with poor toughness, difficult in welding. some suppliers buy Q345 steel from un-know steel factories, which have big differences in the content of steel and carbon, resulting in different steel quality.

Thickness Difference

ZW bulk cement tank trailer



Tank thickness is 5mm, both end plate is 6mm thick. Thicker tank is strong enough to use for longer time.

Other factories bulk cement tank trailer

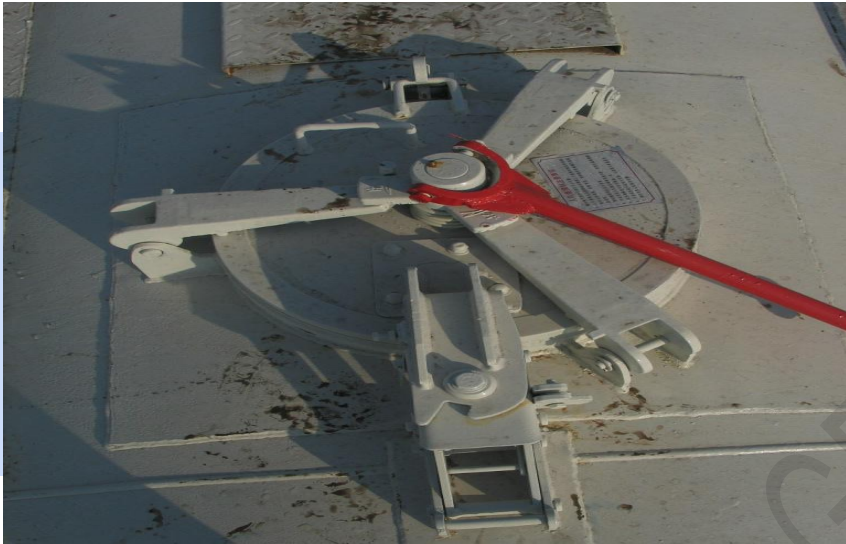


Tank thickness is 4mm, and end plate is 5mm, to save cost, but durability is not sure when use.

VS

Manhole Difference

ZW bulk cement tank trailer – external pressure structure



External pressure structure: high height, good maneuverability and easy operation

VS

Other factories – internal buckle structure



Internal buckle structure: after loading, the height of the whole vehicle is 100mm lower than that of the external pressure spring lifting structure; However, the operation mobility is poor, and the operation is troublesome.

Fluidization Device

ZW bulk cement tank



VS

Other factories



This is the fluidization device in the tank. The bulk cement tank semi-trailer commonly uses the fluidization device of ventilation belt. We adopt 12 ventilation belts. The connecting fixing plate is set in V-shape, to realize Seamless fixation. At the same time, the triangular reinforcing plate increases the mechanical strength and structural stability of the structure.

Other factories adopt 8 ventilation belts. Strength, stability are very bad.

Pipeline System

ZW bulk cement tank trailer – safety valves



VS

The air inlet pipeline is equipped with double safety valves, and the timeliness and safety of pressure relief are 50% higher than that of single safety valve. If one safety valve fails, the other safety valve can continue to work. At the same time, the maximum pressure relief pressure and limit are also increased to prevent tank expansion, ash explosion and powder explosion.

Other factories – safety valves



Other factories usually equip with single safety valves on air inlet pipeline.

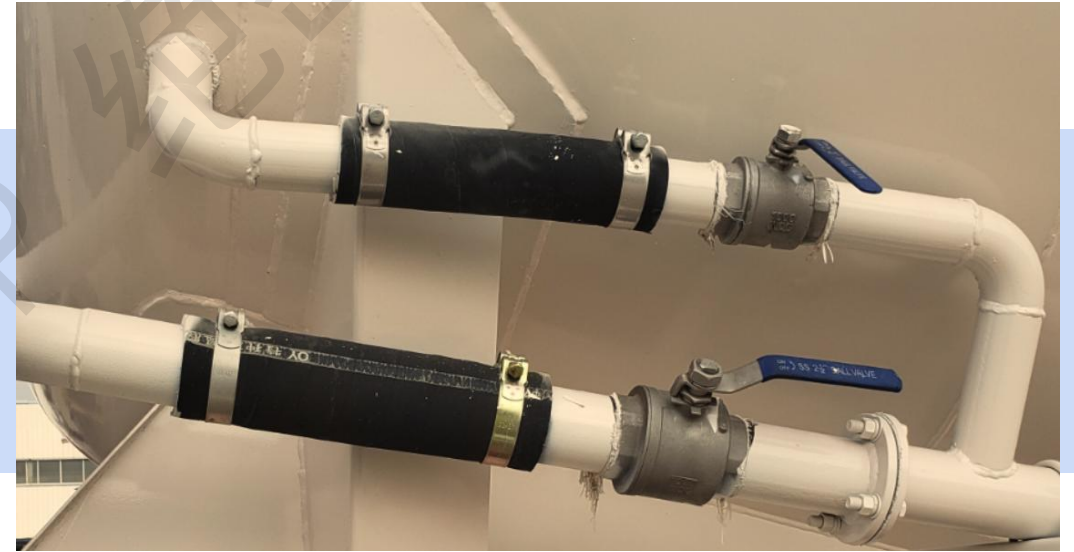
Pipeline System

ZW bulk cement tank trailer – air inlet bend pipe



VS

Other factories – air inlet bend pipe



The front air inlet bend pipeline adopts the non welding one-time forming process. Compared with the traditional welding process, the one-time forming does not need secondary reinforcement, with high strength. and there are no welding spots at the bending part, so the air tightness is guaranteed.

It adopts traditional welding process. It has weakness on strength and air tightness.

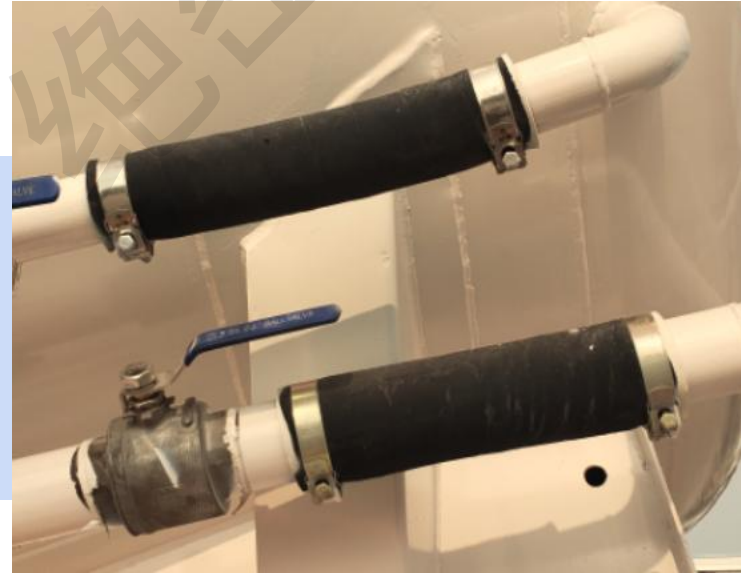
Pipeline System

ZW bulk cement tank trailer – rubber pipe and clamps



VS

Other factories – rubber pipe and clamps



All the connection positions of metal pipes adopt ultra thick pressure-resistant rubber pipes. A pair of stainless steel clamps are equipped at both ends of the rubber pipes, with large locking torque and firm fixation

Other factories adopt normal rubber pipes and single steel clamps, which is broken easily after use a few days.

Pipeline System

ZW bulk cement tank trailer – user friendly design



VS

Other factories – traditional design



The user friendly design exist in every detail. For example, the external air source port of compressed air is downward, and the slope is natural, which is convenient for connecting.

Other factories design is traditional, not friendly to users.

Pipeline system

ZW bulk cement tank trailer – discharge pipe



VS

Other factories – discharge pipe



The pipeline with large curvature and large radius is used for unloading. In this way, the powder in the tank has good trafficability, fast unloading, small wear, and will not stick or block the pipe. The unloading rate will be increased by 10%.

Other factories discharge pipe is normal size, to decrease unloading efficiency.

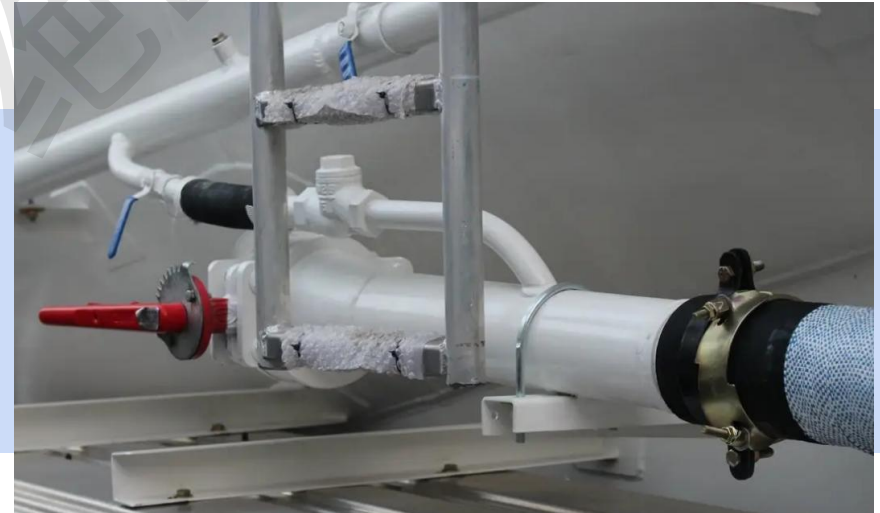
Pipeline System

ZW bulk cement tank trailer – anti-corrosion and anti-rust treatment



VS

Other factories – treatment



All pipelines are treated with anti-corrosion and rust prevention to cope with the working environment of high tide, humidity and high corrosion.

Other factories do not have special treatment on corrosion and rust.

Air Compressor Difference

ZW bulk cement tank trailer – Top brands, like BOHAI, YANGZHOU North brands



We use famous air compressor brands, like Bohai, Yangzhou North brands, which are more durable. And it is easy to get spare parts to maintenance. 12-14 cbm air compressors are with higher working efficiency.

VS

Other factories – normal quality ones



It has many air compressor factories, with cheap price but bad quality. In order to save cost, other factories always choose these less known and inferior brands. 10 cbm air compressor decrease working efficiency.

Engine Difference

ZW bulk cement tank trailer – Top quality brands, like Weichai, Kofo etc



We use famous engine brands, like weichai, kofo brands. Weichai engine is big famous brand in the world. It also make engine for HOWO and Shacman.

VS

Other factories – normal quality ones



other factories always choose less known and inferior brands to save cost.

Other details- perfecting every details



- durable 7m long discharge hose at rear
- safe, easy-operation discharge valves

- Space for Water tank/oil tank.
- engine and air compressor protector.
- anti-skid grilles and railing on top

Service advantage for transportation



Recommends the appropriate transportation mode according to the customer's situation.

The transport mode of fuel tank trailer is mostly by frame container, bulk ship, ro-ro shipping.

Few customers choose containers.

Service advantage-Customer good feedback



Our customers said they liked it very much and took a lot of pictures. There were also many customers who introduced their friends to buy our trailer. Some are willing to become our agent to express their love and promote our company's trailer locally.