

V TYPE DRY CEMENT BULKER SEMI-TRAILER



Silo Trailer is a transport apparatus that brings a breath of fresh air to the transportation sector. This new generation trailer allows the transport of many types of cargo.

What is Silo Trailer?

Silo Trailer is a new generation trailer used for the storage and transportation of products such as cement, flour, grain, calcite, silica sand.

Its body is produced using high-quality steel material and assembled with submerged arc welding machines.

The chassis, frame and keel sections are designed to work in difficult terrain conditions and are built to withstand loads.

Silo trailer is produced with volume options between 25 m³ and 55 m³.

Working Principle:

The solid parts are trapped in the fluid liquid substances, and the flow is unidirectional.

A bulk truck compressor is needed to transport solid and liquid materials in the trailer. Compressors provide airflow with a high flow volume, and products can be transported in parts.

The silo trailer is manufactured in a cylindrical shape and usually consists of three parts:

Body: It undertakes the task of transporting materials and is equipped with special systems.

Chassis: It is made of steel and special alloys, supports the body and allows movement at high speeds.

Discharge Pipe: It is the exit point of the loads and ensures that the materials are transported without damage.

In the food and industry sector, it is important that the materials transported by bulk truck trailers are safely delivered to their destinations. Thanks to special systems, materials can be transported without damage.

Silo trailers contribute to the efficient and safe transportation of construction materials, food products and other cargoes.

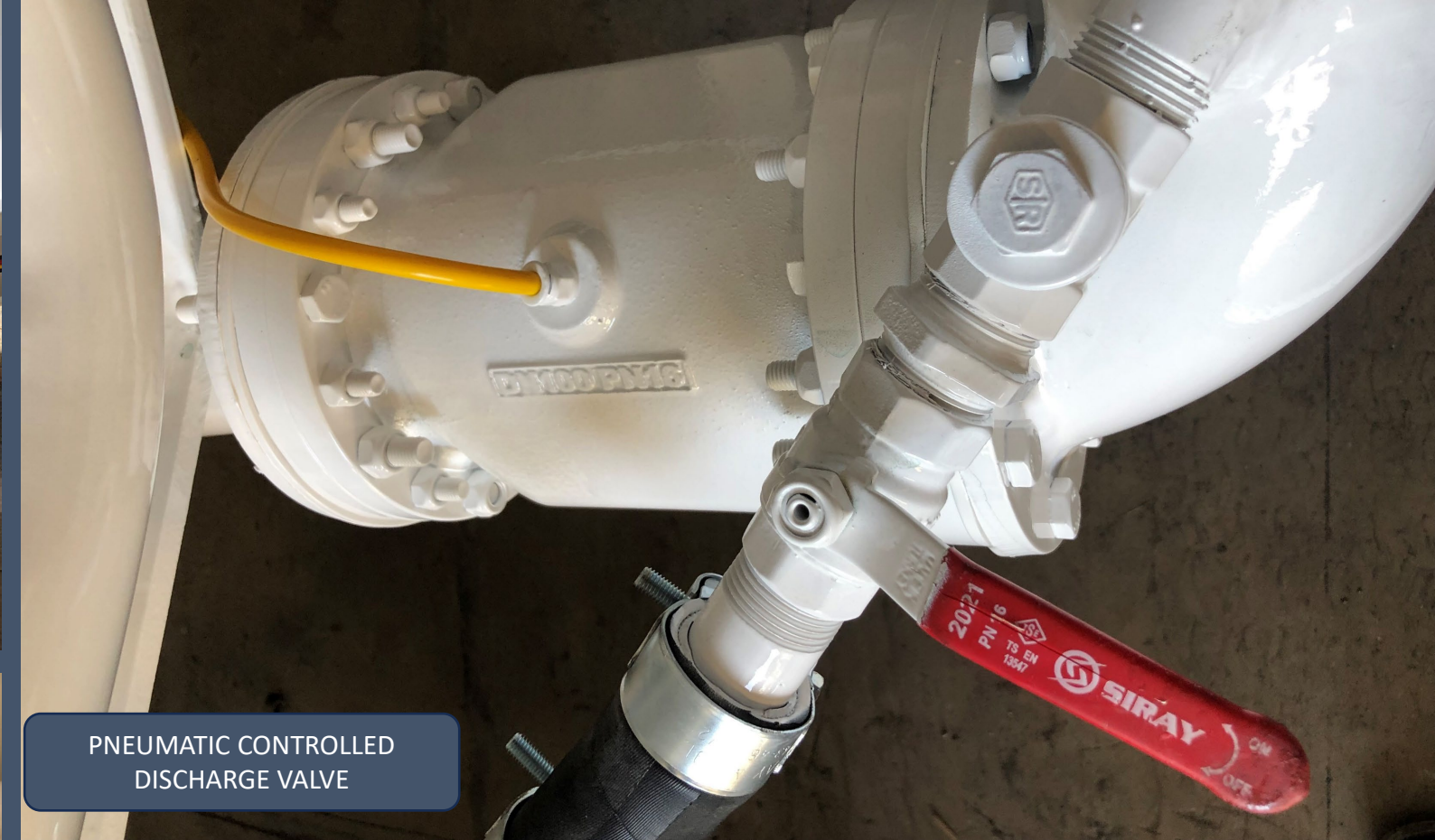


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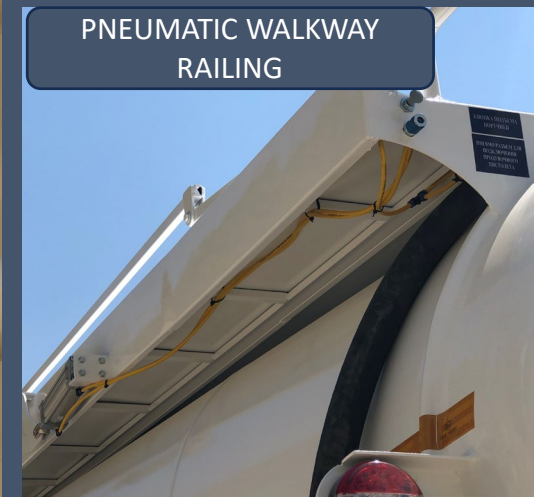
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PNEUMATIC CONTROLLED DISCHARGE VALVE



PNEUMATIC WALKWAY RAILING



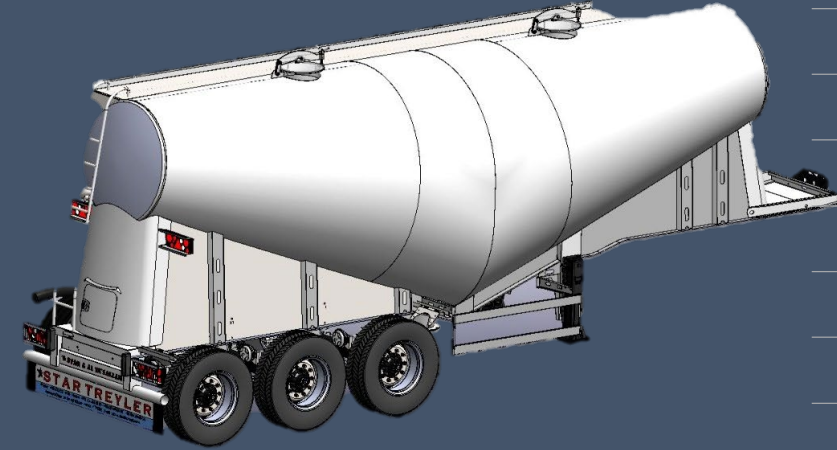


- Auxiliary vibration system
- 4" drain hose
- Heat and pressure resistant discharge line equipment.





TECHNICAL SPECIFICATIONS



1. Dimensions

1.1. Width	: max 2.550 mm
1.2. Height	: max 3.850 mm *
1.3. Wheelbase Range	: 1.300 ~ 1.400 mm *
1.4. King-Pin Height	: 1.250 ~ 1.350 mm *
1.5. empty Weight	: 6.400 ~ 8.000 kg *

2. Capacity

2.1. Geometric Volume	: 30 – 35 – 38-42 m ³
2.2. Dispatch Funnel	1

3. Dry cement bulker

3.1. Category	O4
3.2. Building Material Series	: CarbonSteel ASTM36
3.3. Products to Carry	: Powdered and granular materials such as cement*
3.4. Operating Temperature	: -40 °C +80 °C
3.5. Operating Pressure	: 2 bar
3.6. Test Pressure	: 3 bar

3.7. Sertifikalandırma

: ISPEL CE (2014/68/EU Pressure Vessels Directive)

* Depending on your choice of product type and optional equipment
It depends on.

4. Chassis Equipment

4.1. King-Pin	: Component type in accordance with ECE R-55 regulation onaylı, 2" veya 3,5" alttan sökülüp takılabilen
4.2. Mechanical Feet	: Double speed each, 25 tons dynamic, 50 tons static Load Capacity Trailer Support Legs
4.3. Axles	: Each axles with a capacity of 9~12 tons, mechanical or air suspensions drum or disc brake , axlesets

4.4. Wheels

: 11,75 – 9,00 x 22,5

4.5. Tires

: 385/65 R 22,5 (single) veya 315/80 R 22,5 (double)

4.6. Brake System

: EBS/ABS brake systems in accordance with ECE R 13 regulation

4.7. Electrical System

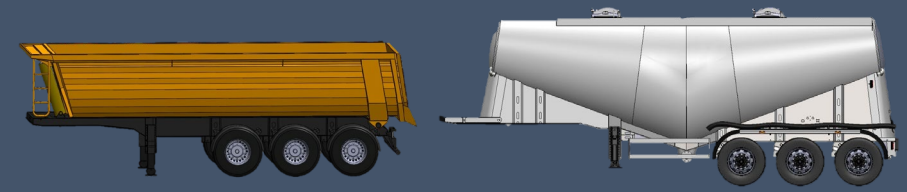
: ADR in accordance with ECE R 105 regulation

4.8. Buffer

: Complies with ECE R 58 regulation



TECHNICAL SPECIFICATIONS



5. Silo Body

V-type single-output design, conforming to AD 2000 design standard. • High strength steel material. • Body angle that prevents material from remaining inside, air channels that create a vibration effect, and a conical funnel-shaped single discharge outlet body design that provides fast discharge by collecting the transported material in the middle. • DN 200 conveying funnel mounted with bolts, covered with fiber braided fabric interlining cloth that prevents friction against the lower body metal, provides vibration, and can be detached and installed. • The screw-connected service door at the bottom of the DN 200 delivery hopper T-outlet facilitates quick intervention to discharge blockages in the body and provides a practical solution for cleaning the inside of the body, the delivery line outlet on the side provides material flow control with a self-bolted, detachable, pneumatically controlled discharge valve, mounted with a self-bolted flange, Holistic construction designed to increase body strength and reduce stress effect at chassis joints, With excellent compatibility, it is achieved by certified expert welders with gas arc welding machines.

6. Filling/Discharging Line

Filling Line

Top filling with manhole covers.

6.2 Discharge Line

From the delivery hopper, fast, wear-reducing, no risk of clogging, easy to intervene, flanged, bolted, direct. • DN 200 lower outlet piping, discharge line with rear or left outlet according to the direction of travel and camlock connection cover with double perno at the outlet end. • Welded joints reinforced with external reinforcement against wear,

6.3 Air Line Installation

Ergonomic, easily accessible, controlled and fast intervention, grouped, defined and systematic. • In-tank air inlet valve that allows the compressed air from the compressor to pass into the body. • Emergency air release valve that allows the evacuation of compressed air in case of possible danger during discharge. • In-collector drain valve that evacuates the air inside the collector pipe. • Controlled air vibration valve that accelerates the flow of material in the body into the discharge hoppers. • Discharge acceleration jet valves that accelerate the flow of material in the material delivery line.

6.4 Compressor and Connection Platform

Optionally preferred compressor. • A special wedge that dampens the vibration that occurs during the operation of the compressor, a safe compressor connection platform integrated with the plate table.

7. Chassis

Specially designed, steel monoblock chassis suitable for body design, steel flat welded, providing tipping safety. • Chassis construction parts are produced with gas arc welding machines by certified welders within the scope of ISO 3834 Welded manufacturing quality qualification approval, with excellent compatibility,

8. Paint

Painting with at least 2 layers of epoxy primer. • Top coat "OVEN PAINT" application with 2 coats of acrylic paint. • With the developed technical equipment, homogeneous distribution to every point on the body and surface gloss in varnished paint gloss are provided.



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