



Wilco

Bulk Storage Trailer

Our Wilco™ WST-1600 trailer-mounted stationary bulk storage bins incorporate four pressure vessels and are used for on-site storage and pneumatic-handling of bulk cement and other powdered bulk materials. The vessels can store up to 1,660-ft³ of bulk materials. The trailer is deployed to well locations empty. The trailer's hydraulic landing legs are contracted and the four-tank trailer drops to the ground where it is supported by a specially-designed under-frame structure.

Features

- **Hydraulic landing leg jacks:** Two Ø 4-in. (101.6-mm) diameter hydraulic landing legs for raising and lowering trailer for on-site deployment or for attachment to tractor. Legs operated using hydraulic pump mounted on engine, with 10-gallon (38-L) hydraulic fluid reservoir. Each leg is independently controlled with a dual control valve.
- **Manifold:** Fill and discharge by manually controlled butterfly valves; remote-control air-actuated valves available
- **Dust collector (optional):** Wilco standard ASME cyclone dust collector or Wilco ASME dust collector with Donaldson ToritR filtration system available

Paint

Paint system is shot blast with epoxy primer and acrylic urethane top coat with choice of color and other finish details. Optional, organic zinc rich primer available for units operated in marine environments or other harsh operating areas.

Warranty

Wilco WST-1600 bulk storage trailers are warranted for 12 months from shipment date for repairs resulting from workmanship. Components for outside vendors including engines, compressors, axles and suspension are covered by original manufacturer's warranty.

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Power unit

Power unit	Tier III export or Tier IV final diesel engine
Fuel tank	30 gallons (114 L)
Couplings	30-gallon (114-L) ASME air receiver with 3 in. (76.2 mm)
Compressor	30-horsepower (22.4-kW) compressor producing approximately 200 ft ³ /min (5.66 m ³ /min) at 30 psi (207 kPa) at 2,000 RPM engine speed

Trailer frame

Design	Steel I-Beam frame mounted with a single axle and air ride suspension
Axles	25,000-lb (11 340-kg) axles with 71.5-in. (1.812-m) track
Suspension	25,000-lb (11 340-kg) Neway air ride suspension
Steel wheel	22.5 x 8.25, 10 hole
Tires	11R22.5, 14-ply
Kingpin coupler	Heavy-duty 2-in. (50.8-mm) SAE Holland Hitch (other sizes also available)
Under-frame support structure	The special under-frame support structure is designed to maintain structural integrity of the trailer in a variety of conditions. This frame is employed after the trailer is deployed to a field location and the landing legs are contracted. The air suspension air pressure is released, and the total weight of the trailer and its contents are supported by the under-frame structure. The design is such that if the trailer were deployed on uneven ground that the structure retains structural integrity.

Specifications

Length	47.0 ft 5.5 in. (14.47 m)
Width	8 ft 6 in. (2.59 m)
Height	13 ft 4 in. (4.06 m)
Total weight (empty)	37,100 lb (16 800 kg)
Weight at rear axles (empty*)	19,600 lb (8890 kg)
Unloaded kingpin weight	17,500 lb (7940 kg)

Note: Trailer should only be transported empty.

Storage vessels*

Bulk storage tanks	Four 422 ft ³ (12.0 m ³) bulk storage tanks
Useable volume transport tanks	415 ft ³ (11.8 m ³)
Maximum allowable working pressure	40 psi (276 kPa) at 250°F (121°C)
Minimum design metal temperature	-20°F (-29°C) at 40 psi (276 kPa)

*Note: The tanks are designed per ASME pressure vessel code for temperatures above -20°F (-29°C). Special low temperature, -50°F (-45.6°C) pressures can be optionally supplied.