

LIQUID LIME SLURRY STORAGE TANK



THE VERSATILE LIME SLURRY STORAGE SOLUTION

The portable lime slurry storage tank from Carmeuse Systems is a horizontal, carbon steel storage tank, ideal for storing lime slurry received via a tanker truck or as a direct feed via a detention slaker. This portable storage solution includes remote monitoring of the lime slurry inventory and flow rate functionality. The tank is also equipped with triple impeller agitators ensuring the solids in the slurry remain suspended, minimizing any settling. Due to its trailer capability, you can transfer it easily, making it both a cost-effective and convenient way to store lime slurry no matter the job or location.

APPLICATIONS & USE

Typical Bulk Materials Processed

- Lime Slurry / Milk of Lime

Typical Applications

- Mining and Mineral Processing
- Lithium Extraction
- Water Treatment
- Precipitated Calcium Carbonate Production
- Oil Sands Production
- Construction
- Chemical Processing

Applicability can vary by system make and model. For an evaluation, contact us: salesinquiries@carmeuse.com

FEATURES

Portable and legal load width design for use with tilting deck trailer or lifting crane

Ladder access, grated platform and foldable/removable railing at the top of the tank

Equipped with triple impeller agitator(s)

Toolless sidewall manways

Nozzles for filling, draining and flush cleanout

Equipment disconnection and control panel with integral stepped down transformer for instrumentation control

Remote monitoring of the lime slurry inventory and flow rate

BENEFITS

Transports and relocates easily, eliminating the need for permits, which minimizes shipping costs

Provides easy access for inspection and maintenance, saving on labor costs and improving employee safety

Agitates slurry and suspends solids, minimizing settling, which maximizes lime usage

Offers quick access to tank interior for inspection, maintenance and cleaning, thereby improving productivity and employee safety

Provides straightforward operation and complete clean-out, improving operational efficiency

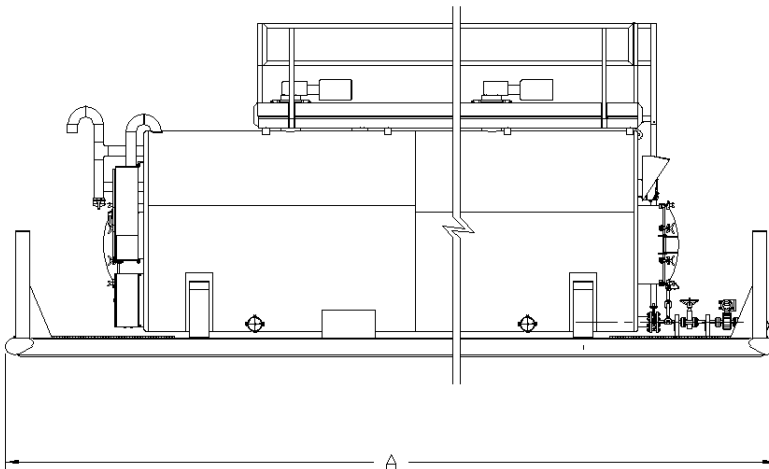
Requires a single power feed to operate, enhancing reliability, safety and ease of connect/disconnect

Provides notification for alarm conditions and troubleshooting, preventing costly maintenance and downtime

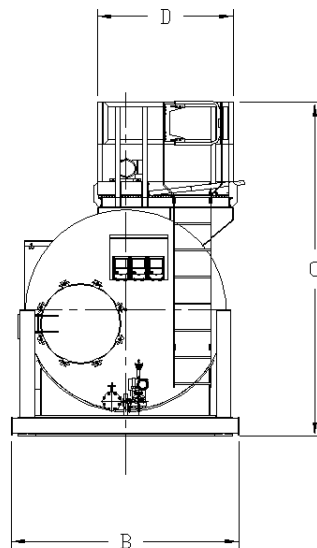
AVAILABILITY

	A (in. [mm])	B (in. [mm])	C (in. [mm])	D (in. [mm])
Mobile Storage Tank	512 [13,005]	102 [2,591]	149 1/2 [3,798]	60 1/2 [1,537]

ELEVATION VIEW

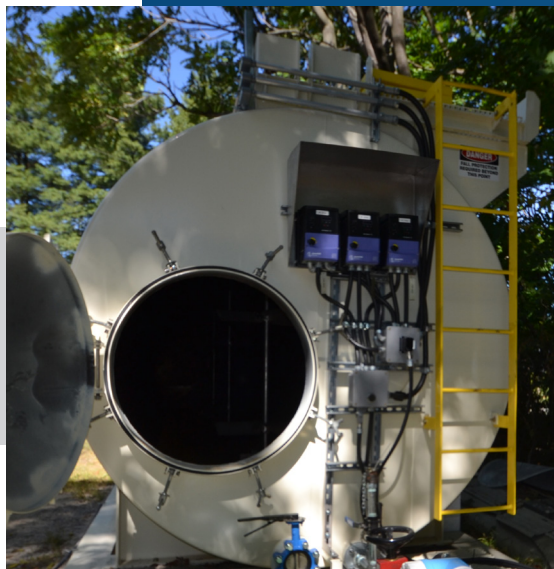


SIDE VIEW



NOTE:

Information / dimensions shown are for reference only and is subject to change based on final design and applications.



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SPECIFICATIONS

- **Storage Capacity:** Up to 9,700 USgal [44.1 m³]
- **Slurry Handled:** Up to 50% by weight and 780 cPs
- **Dosing Pump Capacity:** 0.3 to 3 USgpm [0.07 to 0.7 m³/h] @ 50 ft [15m] of Total Discharge Head (Includes two pumps with one on standby/emergency backup)
- **Electrical:** Designed specifically to meet local codes at installation location
- **Power Requirement:** Minimum 40 Amp, 3-phase Feed
- **Options:**
 - Variable Frequency Drive (VFD) driven pump and/or tank agitator
 - Single operating or dual (operating/stand-by) dosing pump arrangement (to pump slurry to desired location/process)

MATERIAL OF CONSTRUCTION

- **Standard:**
 - Shell: A36 / A1011 Carbon Steel
 - Piping: A53 Threaded Galvanized
 - Fitting: A105/A197 Threaded Galvanized
 - Agitator: 304 Stainless Steel
 - Pump: Natural Rubber (NR) hose with 316 Stainless Steel Insert

INSTRUMENTATION AND CONTROLS

- **Level and Flow Monitor:** 4-20 mA HART
- **Discrete Control and Alarm:** 24 VDC / 120 VAC
- **Local Panel / Junction Box Rating:** NEMA 4X 304SS [IP66]
- **Approvals:** CSA, FM, _cUL_{US}, CE Marking

COATING (FOR CARBON STEEL CONSTRUCTION)

- **Surface Preparation:** Manufacturer's standard chemical wash process
- **Finish:** (Exterior) Polyester Powder Coating, 2.5-3 mils [64 to 76 μm] DFT
- **Finish Color:** Bone White (Other colors available upon request)
- **Options:**
 - Double Epoxy Powder Coating
 - Interior and Exterior Coating

PUMP REQUIREMENTS

- Watson Marlow APEX Hose Pump or comparable

OPTIONS

- STT Portable Lime Slaker available
- STT Pump Skid is available on a separate skid (if requested)



YOUR LIME HANDLING EXPERTS™

Carmeuse Systems is your trusted partner for designing, integrating, and upgrading lime handling systems. As part of the Carmeuse Group, our teams have unrivaled expertise in understanding the role of lime handling equipment within your operation. From selecting the appropriate raw material, to system engineering, enhancements, and maintenance, our teams provide End-2-End support and guidance. We make complex projects seem simple and help our customers every step of the way. Let's start a conversation, contact us at:

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