

Malte Urea Container



A Malte Urea Container allows you to both produce and store wet urea. The container gives easy and efficient access to wet urea for ground de-icing, anti-slip preparation and creating friction on runways.

To create wet urea, dry urea prills are mixed with water in the container. The process starts by filling an empty container with the required amount of water. The water is then heated and prilled urea is added to the container. A circular pumping system efficiently mixes water and urea to a concentrate containing 30–40% urea.

The stainless steel funnel for refill rests on the frame around the opening in the container roof. The opening is secured by a fall protection grid. The hatches open sideways and can be attached to the railing during use of the facility.

The container features walking surfaces made of tread plate and galvanized stairs and railings. To meet transport height requirements the roof railings can be folded down.

The external door is lockable from the outside and can be open from the inside. To maintain a suitable temperature, the walls and roof are insulated. Two 2 kW heating fans maintain the temperature inside the container and circulate the heat. Electrical and control cabinets are placed in a control room. The room is measures just over 2 m².

Easy access to wet urea

Moveable

32 or 63A supply at 400V

- Standard 20-foot container that can be placed on container frame SS3021.
- Security railings around the roof.
- 13 m³ volume
- Pipe system of plastic, stainless steel and brass.
- Motor control valves
- Self-retracting hose reel
- Touch screen to control the system functions
- Volume measurements in liters



Standard features

- Ladder to the roof
- 10 m hose reel with spill proof coupling
- Input and output of water and urea on one side
- Pump shaft seal

- Standard colour, RAL silver
- Cable reel for overfill sensors on truck
- Insulation for -25°C
- Spears for opening urea bag

Optional features

- Stair to the roof
- Input and output of water and urea on both sides
- Magnetic drive pump
- Customer branding, including colour
- Lightning on roof
- Wet room mat in tech room
- Concentration sensor urea 0–50%
- Polystyrene lid
- Insulation for -40°C
- Additional options available upon request

Cistern dimensions

- Length: 4 150 mm
- Diameter: 2 000 mm
- Material: Vinyl ester fiberglass

Transport Dimensions

- Width: 2 600 mm
- Height: 3 100 mm
- Height with railings set up: 3 900 mm