



## **RESISTANCE TYPE CAUSTIC SODA STORAGE TANKS**



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## *General Description and Intended Use*

Caustic soda storage tanks are frequently used in treatment plants, sectors such as detergent, soap, metal, textile, chemistry etc.

Caustic soda is stored in storage tanks as a solution by 25%-50%. Since caustic soda may freeze at +5...+16 °C in accordance with solution density, tank stays at the freezing point with resistance type heater.

## *Working Principle Of Equipment*

Resistances inside caustic soda tank are set in accordance with the freezing point of caustic solution and keep caustic soda above the freezing point.

## *Technical Specifications*

- The most suitable design for capacity of caustic soda tank and place.
- Tank temperature is kept at the desired degree by selecting a resistance in according to intensity and volume of caustic soda.
- Energy cost is decreased by using heat insulation on the exterior of the tank.
- Suitable material for the caustic solution intensity is selected.

## Advantages

- Storage At Large Capacities,
- Design in Desired Capacity and Measurements,
- Providing Energy Saving by Optimum Heat Insulation,
- Low Operation and Maintenance Costs,
- Easy Transportation and Mounting,
- Providing Energy by Using Resistance Suitable for Needs,
- Long Operation Life,
- Low First Investment Cost,
- Easy to Operate and Maintain.





# Material Details

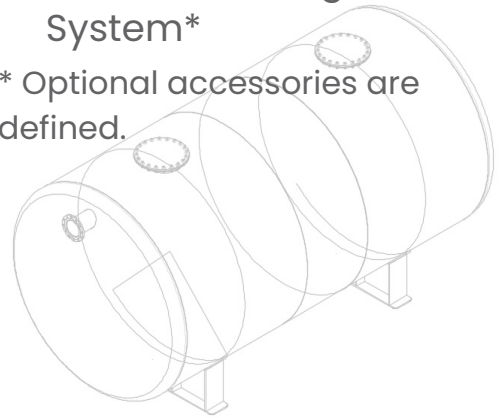
- Frame: They can be manufactured as S235JR + Interior Exterior Epoxy Paint, S235JR + Tank Interior CTP Touter Tank Epoxy Paint DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Lug: They can be manufactured as S235JR + Epoxy Paint, DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).
- Tank Exterior Heat Insulation It is manufactured as Glass Fiber / Stone Wool+Aluminum Coated.
- Resistance: They can be used as DIN 1.4301 (AISI 304) or DIN 1.4401 (AISI 316).

"Different materials can be preferred in accordance with the request of the customer."

# Accessories

- Tank Exit Ladder
- Manholes
- Resistance
- Tank Exterior Isolation Coating
- Temperature Indicator\*
- Level Measuring System\*

\* Optional accessories are defined.







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