

Tank Container for Transport and Storage of Dangerous Goods



- the tank is mounted in a 20' ISO Container Frame
- capacity range from 15 000 up to 25 000 l.
- insulation and load temperature stability system

Application

- transport of dangerous goods in compliance with ADR and IMDG requirements
- storage of dangerous goods

Designation

The tank container is designed for the transportation and storage of dangerous goods (including condensed gas), in accordance to The European Agreement pertaining to the International Carriage of Dangerous Goods by Road ADR and International Maritime Dangerous Goods Code IMDG.

Basic equipment

The tank is equipped with:

- inspection hatch of 500 mm diameter
- relief valve
- loading valve placed on the top of the tank including a deep-seated pipe
- bottom drainage valve
- gas valve
- pressure gauge
- temperature indicator

Materials

All the components of the tank are made of non-corrosive materials (austenitic steel or Duplex steel). The tank is mounted in a 20' ISO container frame of 1 CC or 1 CX type and is made of high quality steel (S355J2G3).



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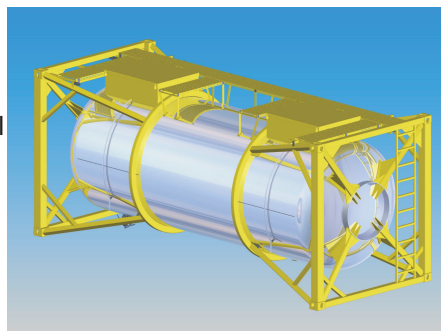
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Tank Container for Transport and Storage of Dangerous Goods

TECHNICAL CHARACTERISTICS

Typical Design Specification

■ tank container type	1CC or 1 CX
■ capacity	15 000 l up to 25 000 l
■ number of compartments	Single (4 baffles)
■ tare weight	3 800 kg
■ maximum gross weight	28 800 kg
■ maximum working pressure	0,3 MPa
■ hydraulic test pressure	0,4 MPa
■ ADR calculation pressure	1,0 MPa
■ vacuum pressure	40 kPa
■ temperature range	-20°C to +60°C
■ design code approval	PRS/ADR/RID/IMDG/UIC/CSC/ISO



Tank Container Details

■ tank material	stainless steel 1.4307 DIN
■ baffle material	stainless steel 1.4307 DIN

Framework Details

■ frame size (L x W x H)	6 058 mm x 2 438 mm x 1 830 mm
■ frame material	mild steel (S355J2G3)
■ frame with integrated hook lift system	mild steel (S355J2G3)

Equipment Details

■ FORT VALVE safety relief valve	1 of 2.5" BSP relief valve with burst disc
■ hatch	Stainless steel 500 mm
■ valves	- 1 of 3" stainless steel ball valve with 3" camlock coupling - 2 of 2" ball valves with camlock couplings - 1 of 3" bottom valve: FORT VALE 3" cleanflow footvalve - 1 of 3" butterfly valve with camlock coupling
■ pressure gauge	
■ temperature indicator	

Insulation Details

■ material	rockwool 50 mm thickness
■ insulation support	stainless steel plates 1 mm thickness