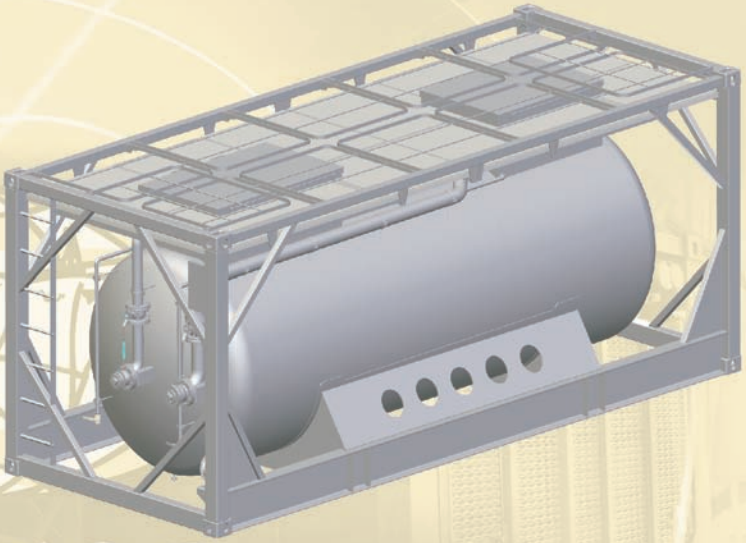
TANK CONTAINERS FOR TRANSPORT AND STORAGE OF AVIATION FUEL

- ✓ **Tank is mounted in 20' ISO Container's Frame,**
- ✓ **Capacity 12.000 L,**
- ✓ **Mobile storage tank,**
- ✓ **Double skin tank,**
- ✓ **Approved for transport and storage aviation fuel.**

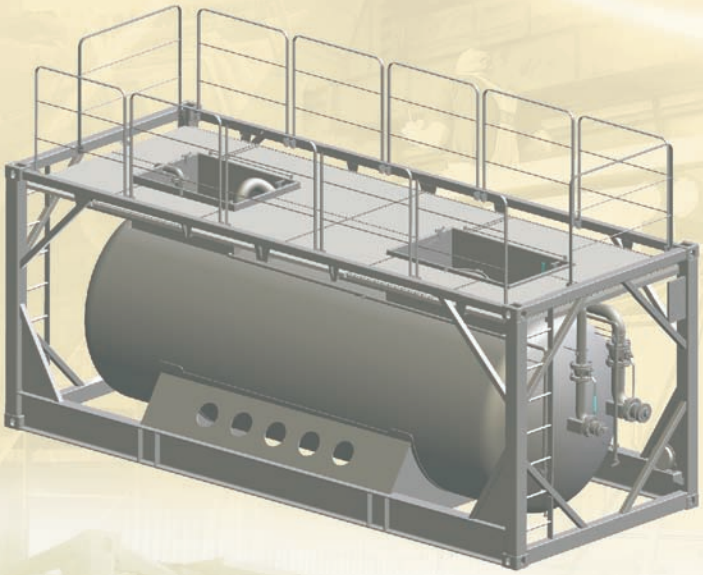


Application

- ✓ transport of dangerous goods according to the requirements of ADR/RID, IMDG,
- ✓ design for transport and storage of aviation fuel product (UN1863).

Designation

Tank conteiner serves for transport and storage of fuels to supply military units, and humanitarian missions. Design according to The European Agreement concerning the International Carriage of Dangerous Goods by Road ADR, International Maritime Dangerous Goods Code IMDG.



Materials

All the components of the tank are made of non-corrosive materials (austenic steels).

Tank is mounted in a 20' ISO Container Frame Type 1 C and is made of high-strength steel.

Equipment

The tank is equipped with:

- ✓ Manhole 500 mm or 600 mm with swingbolts
- ✓ Two ladders with non-slip steps,
- ✓ Platform or walkway with non-slip surfaces,
- ✓ Paint system resistant to the marine and petroleum environment,
- ✓ Sampling valve,
- ✓ Measuring level,
- ✓ All valve handle's and cover of manhole are equipped with lock devices,
- ✓ Automatic grounding reel with clamp.

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TECHNICAL SPECIFICATION OF FUEL TANK CONTAINER

TYPICAL DESIGN SPECIFICATION	
Tank Container Type	1C
Capacity	12000 l
Number of Compartments	Single
Tank Type	Double skin
Tare Weight	5765 kg
Maximum Gross Weight	17400 kg
Maximum Working Pressure	0,2 MPa
Hydraulic Test Pressure	0,3 MPa
ADR/RID Calculation Pressure	0,3 MPa
Vacuum Pressure	20 kPa
Design Temperatures	-20°C to +50°C
Design Code Approval	IMDG, ADR/RID, CSC, PRS, UDT
TANK CONTAINER DETAILS	
Design Code	WUDT-UC-2003/WO-O, EN12285-2
Head Material (inner, outer)	DIN 28011, Stainless steel 1.4301 DIN
Shell Material (inner, outer)	DIN 17440, Stainless steel 1.4301 DIN
Tank Slope	1 %
FRAMEWORK DETAILS	
Design Code and Testing	ISO 668, ISO1161, ISO 1496-3, ISO 6346, ISO 3874
Frame Size (L x W x H)	1C, 6058 mm x 2438 mm x 2438 mm
Frame Material	EN 10210, EN 10025 (S355J2H, S355K2G3)
Corner Castings	ISO 1161 (L18G)
TANK FITTINGS AND PIPE SYSTEM	
Safety Relief Valve	Fort Vale 2.5'' BSP relief valve with flameproof arrestor
Manhole	Fort Vale Stainless steel 500 mm with 6 swingbolts
Filling Pipline	Fort Vale DN80 with two stainless steel ball valves
Discharge Pipeline	Fort Vale DN100 with two stainless steel ball valves
Coupling	Fort Vale Dry-break connector 119 mm and 164 mm with self sealing cap
Overfill Prevention Device	DN80 floating valve, operating pressure max. 8 bar, filling by pump or gravity, max flow 60m^3/h,
Water Drain Tank System	DN25 for separation water
Level monitoring	Manual gauging
PAINT SYSTEM	
For frame (carbon steel)	Sigma Coatings Primer coat Sigmaprime 200, DFT 160-200 µm Topcoat Sigmadur 520, colour semi gloss light grey (RAL 7035), DFT 70 µm
For tank (stainless steel)	Primer coat Sigmaprime 200, DFT 80-100 µm Topcoat Sigmadur 520, colour semi gloss light grey (RAL 7035), DFT 70 µm

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EQUIPMENT DETAILS	
Enviromental protection	Spillboxs with common drain system with valves
Static grounding protection	Automatic reel with 25 m cable and clamp
Operating protection	Two ladders 375 mm with non-slip steps, Working platforms with non-slip surfaces Folding handrail on whole working platform
Pressure vessel and pipeline fasteners	Acc. to ASTM A193/A193M grade B8M/8M
	All valve handle's and cover of manhole are equipped with lock devices,
Leakproof detection	Interstitial space with two nozzles (top and bottom)
Level monitoring	Manual gauging

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