

## WDR 9000 Tank Container for Transport and Distribution of Potable Water



- capacity: 9 000 litres
- insulation and heating system preventing the water and water system from freezing at the ambient temperature of down to -26°C
- insulation and cooling system preventing water temperature from rising above +15°C
- safe water storage time: up to 3 months
- materials certified for contact with potable water

### Application

- firing grounds and training centres
- logistic units
- Peace Keeping Missions
- Rapid Reaction Forces
- humanitarian organizations and institutions

### Designation

The tank container of 9 000 liters capacity is designed for transport, storage and distribution of potable water.

### Materials

Each element of the tank is made of materials certified for contact with potable water (austenitic steel or Duplex steel).

The tank is installed into a 20' 1 CX type container frame.

The container frame is equipped with a hook lift system made of high quality steel (S355J2G3).



### Basic equipment

The tank container is equipped with:

- three-phase generator set
- water pump
- pipe and hoses system on reels (equipped with filling guns)
- water cooling system (water storage temperature range: from +13° C to +15 °C)
- water conservation system (safe storage time: up to 3 months)
- control and measurement system indicating current system parameters
- generator set and pump control system
- anti-freezing system

The tank container and each pipe installation is equipped with an insulation and heating system preventing water and the water system from freezing at temperatures down to -26° C.

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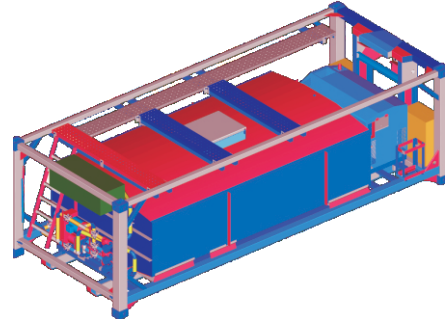
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# WDR 9000 Tank Container for Transport and Distribution of Potable Water

## TECHNICAL CHARACTERISTICS

### Typical Design Specification

■ tank container type .....	1CX
■ capacity .....	9 000 l nominal
■ number of compartments .....	single (4 baffles)
■ tare weight .....	6 150 kg
■ maximum gross weight .....	16 000 kg
■ maximum working pressure .....	110 kPa
■ hydraulic test pressure .....	400 kPa
■ ADR calculation pressure .....	400 kPa
■ vacuum pressure .....	40 kPa
■ temperature range .....	-26° C to +70° 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 VALE safety relief valve .....	1 of 1.5" BSP relief valve with burst disc
■ hatch .....	stainless steel 500 mm
■ valves .....	7 of 2" stainless steel ball valve with 2" STORZ type couplings
■ drainage taps .....	2 of 3/4" ball valves with cam lock couplings
■ fire extinguishers 6 kg .....	1
■ pump unit with filters .....	Mono Pumps Ltd. SB04KAC1R5/G, 312 l/min
■ generator set .....	caterpillar Olympian GEP 13.5
■ electrical heating system .....	heating rod 3 x 1000 W and heating trace on pipe system of 3000 W
■ water cooling system .....	water storage temperature range: from +13° C to +15° C
■ water conservation system .....	safe water storage time: up to 3 months
■ control panel .....	power supply 12 V, 24 V or 110 V

### Insulation Details

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