

KCD-ISO Storage | **Storage Tank Container double wall**



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Characteristic	Area of Application / Media			Transportation / Installation	
E2 double Wall	E12 hazardous to ground water	E5 inflammable	E7 highly inflammable	E3 cleaned transportable	E8 use outside

The Minotaur® storage tank container is a cubic, double-walled construction. It is integrated in an ISO-Container-frame and combines all advantages of the system in itself, which refers particularly to:

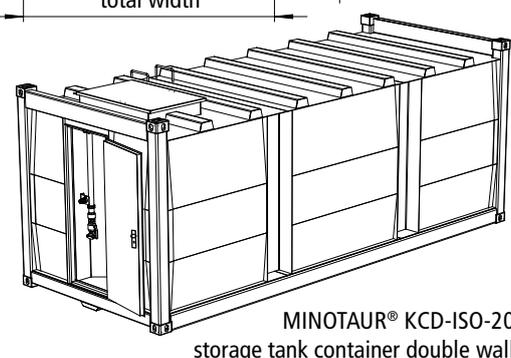
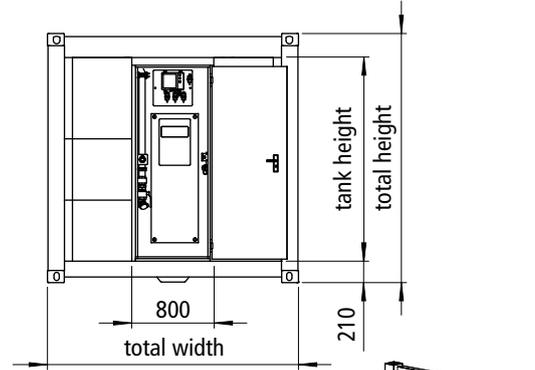
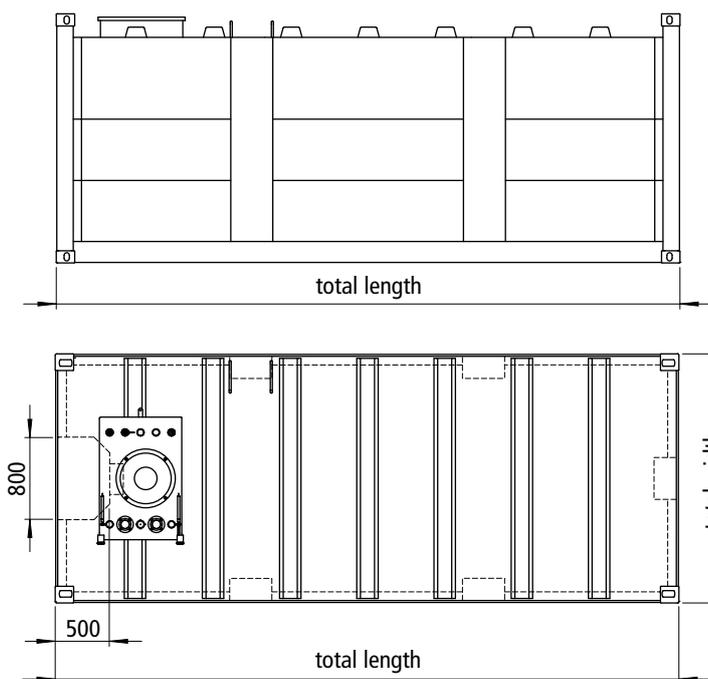
- transport - international approval for ship, rail and road (CSC), in emptied and cleaned condition
- storage - 8x stackable (empty),
- security - high, static firmness; double-walled construction with vacuum leakage indicator
- storage capacity - optimized space usage due to cubic building form
- protective arrangement of the equipment in one of the tank niches
- designed for temperature from -25°C to +50°C
- low investment cost: additional oil sump is not necessary, solid soil is enough

In the tank body of the Minotaur storage tank container are several operation niches possible, which are for placement of technological building-blocks. One operation niche is included as standard on the frontal side. The storage tank container requires for operation a fix installed connection to the power supply system. (Exception: at option – diesel aggregate for power supply)

Type of Tank	capacity 100%	capacity 95%	total length	total width	total height	tank height	weight (leer)
No. of Type	litre	litre	mm	mm	mm	mm	kg (ca.)
KCD-ISO-10	11.500	11.000	2.991	2.438	2.438	2.000	3.200
KCD-ISO-20	25.000	24.000	6.058	2.438	2.438	2.000	5.600
KCD-ISO-HC-20	30.000	29.000	6.058	2.438	2.896	2.500	6.200
KCD-ISO-40	52.500	50.000	12.192	2.438	2.438	2.000	9.400
KCD-ISO-HC-40	63.500	60.000	12.192	2.438	2.896	2.500	11.600

Please note: Transportation only under empty and clean condition!

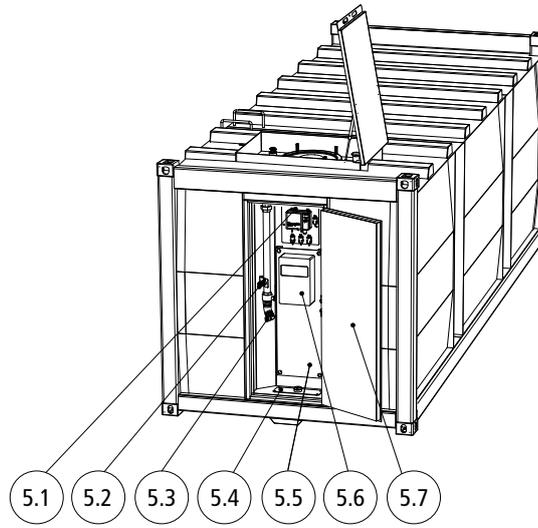
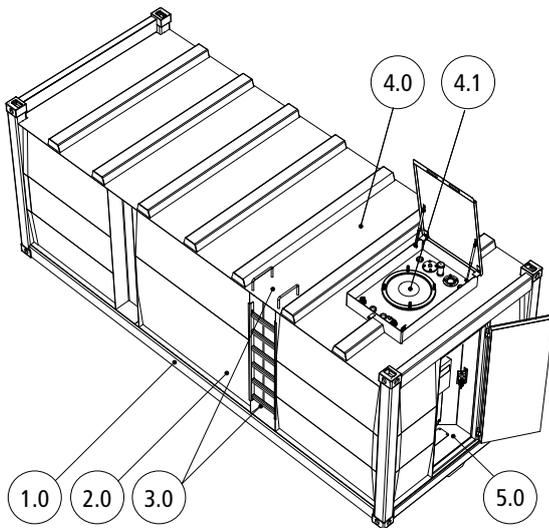
Technical changes reserved!



MINOTAUR® KCD-ISO-20 storage tank container double wall

Material	Approval	Documentation	Sheet
Steel S235 JRG2	General Construction-Supervision Approval Z-38.12-23	2x English	1 of 2

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Standard Equipment:

- 1.0 frame-construction consisting of stable frame structure incl. 8 pieces ISO-corners and fully welded good ventilated bottom beams
- 2.0 robust cubic double walled body made of steel (S 235 JRG 2)
- 3.0 ladder (rungs mounted in one of the external niches) incl. two handholds on the tank roof (ladder and handholds would be omitted in case of tank insulation)
- 4.0 tank roof is a self-supporting, single walled construction (fully welded)
 - 4.1 - the hatch compartment is mounted on the tank roof, consisting of:
 - cover with gas pressurized spring and handholds
 - man hole DN 600, type A
 - connection bushes 2"
 - vent connection DN 50, self closing vent hood 2" IG
 - mechanical float level indicator (fuel dip stick)
 - suction pipe DN 25 (1") with foot valve and sieve
 - limiting level transmitter (sensor) with general type approval
 - 2x level sensor AE-100-E for pump control (min and min/min)
 - ductwork to the function niche on the frontal side
- 5.0 operation niche at the frontal side:
Dimensions: width: 800 mm, depth: 500 mm, height: tank height
Components:

- 5.1 - vacuum leak warning system with general type approval
- 5.2 - limiting level transmitter (connector) with general type approval
- 5.3 - filling system for tank trucks DN 50 with tank-connector VK50, non-return valve and ball valve
- 5.4 - cable bushing in floor
- 5.5 - fitting panel
- 5.6 - electric connection and distribution box (incl. controlling and cabling of the existing building blocks), incl. lamp and switch
- 5.7 - Fire protection door (F30)

Corrosion protection for outdoor installation:

- inside: untreated, oiled
- outside: corrosion system II - sandblasted, primed and coated in RAL 7032 (pebble gray)
alternative: RAL 3003 (ruby red), RAL 5007 (brilliant blue), RAL 8001 (ochre brown)

Technical changes reserved!

Optional Equipment

- operation niches for additional machines and equipment
- separating walls for more-chamber-tank
- chemical resistant tank inside coating
- thermal insulation (40 or 80 mm) against condensation and frost
- rest draining (incl. ball valve, fuel stop valve, tank truck coupling with cap)
- additional level sensors
- overfilling protection with buzzer and flashlight
- filter and pumps
- condensation filter
- water absorber, air dryer
- electrical tank heating
- heating coils for liquid heating
- fire extinguisher
- equipment for easily inflammable media
- equipment for special media
e.g. ad-blue or water-emulsions
- corrosion protection for seawater resistance (corrosion protection system III)
- filling system with transfer pump
- diesel aggregate for self supplying, mounted in an additional niche
- sunblind as additional cover of the roof to protect the tank against intense solar radiation
- approval by the Germanic Lloyd with CSC-label and holder for international transports
- material: stainless steel
- final coating in other RAL-colors

Documentation

- test certificate and overview drawing
- technical approval
- data sheets for equipment
- certificates of WHG and ISO 9001

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