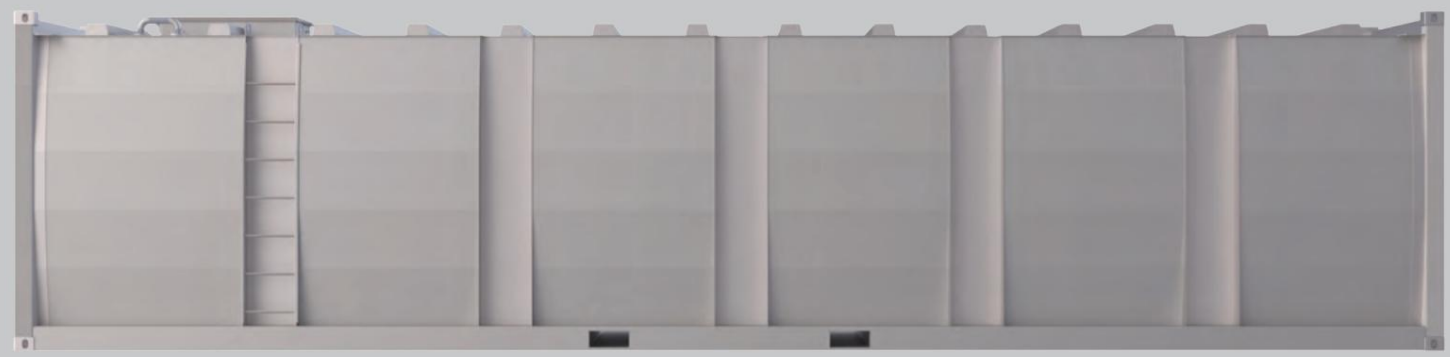
MINOTAUR®

Double-walled storage tank container with engine room KCD-MA

Kraiburg®

- For outdoor installation - For installation in water protection areas - For installation in earthquake-prone areas Zone 1 - Approved for international transport by ship, rail and truck - With international CSC approval - DIBt mark no. Z-38.12-312



Overview of KCD-MA and KCD-MA with thermal insulation - variants

Type key

KCD – 10 – MA – 1 – A

- Tank type
- Container size in feet (ft.)
- Engine room length in meters
- for engine room
- For equipment options, see combination table.

KCD MA Standard	MW 80	UREA	MW 80 + UREA
standard			
A (raw inside)	KCD-10-MA-1-A	KCD-10-MA-1-B	KCD-10-MA-1-C	KCD-10-MA-1-E
	KCD-20-MA-1-A	KCD-20-MA-1-B	KCD-20-MA-1-C	KCD-20-MA-1-E
	KCD-40-MA-1-A	KCD-40-MA-1-B	KCD-40-MA-1-C	KCD-40-MA-1-E
	KCD-20-MA-2-A	KCD-20-MA-2-B	KCD-20-MA-2-C	KCD-20-MA-2-E
B (raw interior, thermally insulated/Ti)	KCD-40-MA-2-A	KCD-40-MA-2-B	KCD-40-MA-2-C	KCD-40-MA-2-E
C (UREA/UR)	KCD-20-MA-4-A	KCD-20-MA-4-B	KCD-20-MA-4-C	KCD-20-MA-4-E
E (thermo-insulated/Ti, UREA/UR)	KCD-40-MA-4-A	KCD-40-MA-4-B	KCD-40-MA-4-C	KCD-40-MA-4-E

Earthquake zone 1	MW 80	UREA	MW 80 + UREA
D (raw interior, earthquake zone 1)	KCD-10-MA-1-D	KCD-10-MA-1-F	KCD-10-MA-1-G	KCD-10-MA-1-H
	KCD-20-MA-1-D	KCD-20-MA-1-F	KCD-20-MA-1-G	KCD-20-MA-1-H
	KCD-40-MA-1-D	KCD-40-MA-1-F	KCD-40-MA-1-G	KCD-40-MA-1-H
F (interior raw, thermally insulated/Ti, Earthquake zone 1)	KCD-20-MA-2-D	KCD-20-MA-2-F	KCD-20-MA-2-G	KCD-20-MA-2-H
	KCD-40-MA-2-D	KCD-40-MA-2-F	KCD-40-MA-2-G	KCD-40-MA-2-H
G (UREA/UR, earthquake zone 1)	KCD-20-MA-4-D	KCD-20-MA-4-F	KCD-20-MA-4-G	KCD-20-MA-4-H
H (thermally insulated/Ti, UREA/UR, Earthquake zone 1)	KCD-40-MA-4-D	KCD-40-MA-4-F	KCD-40-MA-4-G	KCD-40-MA-4-H

Introduction, climate packages and areas of application for the KCD-MA

The new technical challenges

The technical requirements for tanks have changed significantly in recent years. Disasters such as hurricanes, earthquakes, and floods are increasing, and other media such as urea are coming into focus. We have equipped our tanks with the new KCD-MA construction series-

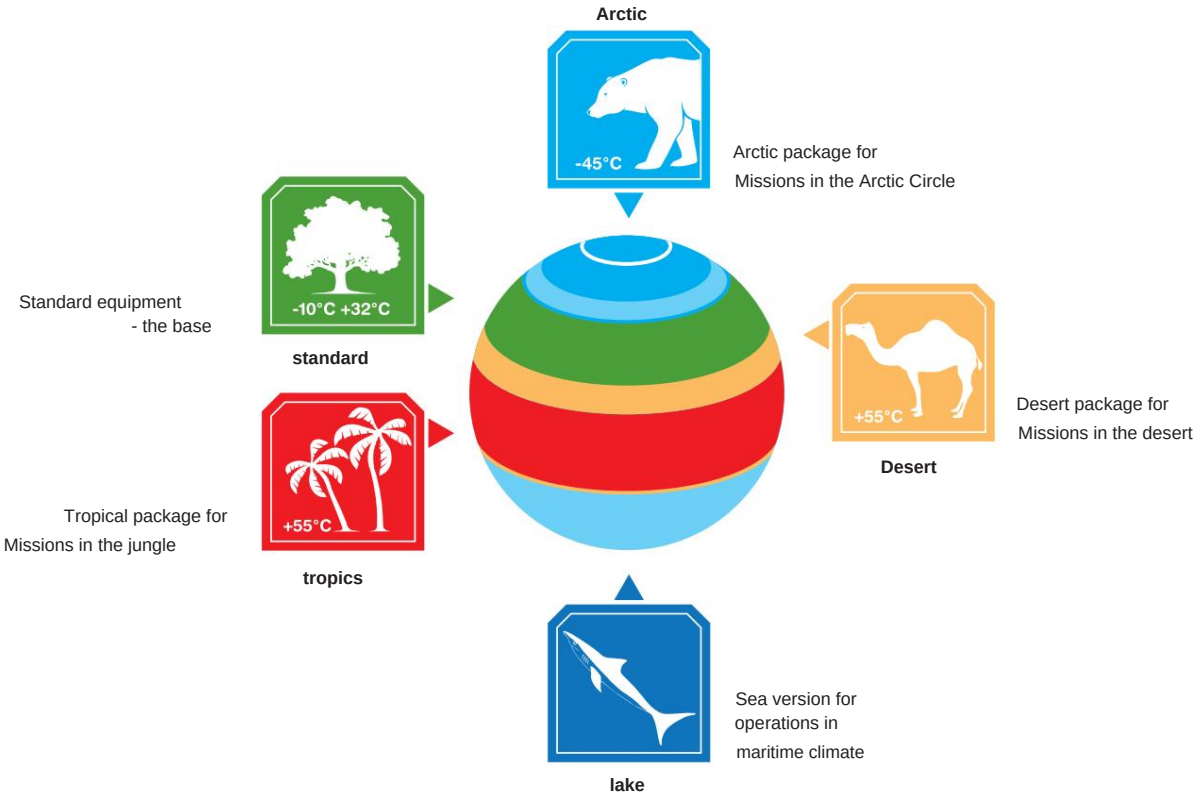
adapted to various sub-variants. Our global experience with extreme operating environments such as mining and offshore installations, as well as with diverse climate zones such as jungle, steppe,

Desert and Arctic environments, as well as the expansion of our storage media portfolio to include chemical media such as urea, alkalis, and acids, have led to the continuous development of our storage tanks. As a result of this process, we have established a classification of the application areas for KCD-MA tanks. This classification covers areas such as earthquake zone 1 and static media resistance for media with a density of up to 1.2 kg/l.

We have developed the following climate packages for our KCD-MA tanks

Please inquire if needed.

Depending on the area of application and design, our climate packages include special paint finishes, insulation, air conditioning or heating systems.



Technical applications for the KCD-MA

Product sustainability (C2C) Cradle to Cradle

Sustainability is a key decision criterion for investments. Krampitz tank containers meet the three most important aspects of these Cradle to Cradle sustainability requirements through a modern, highly secure, and future-proof modular design.

Long service life

longevity

Krampitz steel and stainless steel tank containers are manufactured from robust, reusable materials. With proper handling and regular maintenance, these tank containers have a service life of up to 30

Years in service.

The double-walled construction in container design, combined with modern vacuum monitoring, represents a future-proof product concept.

repair and Complete overhaul

Repair and overhaul

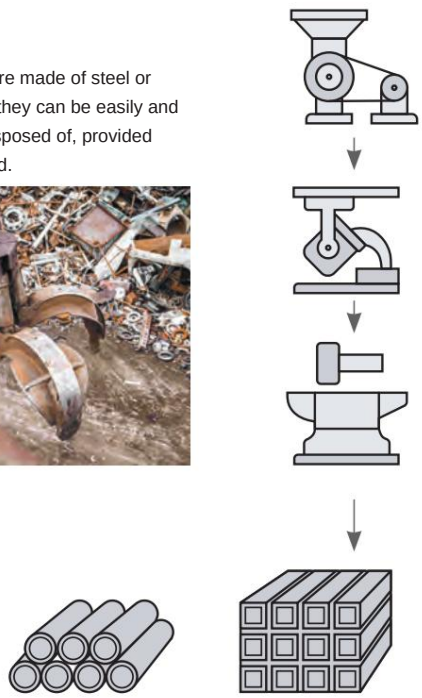
The concept of steel or stainless steel construction guarantees good repairability as well as a good possibility of general overhaul of the tank containers and thus a long service life of the products.

Attention: Repairs and overhauls of Krampitz containers should only be carried out by certified specialist companies.

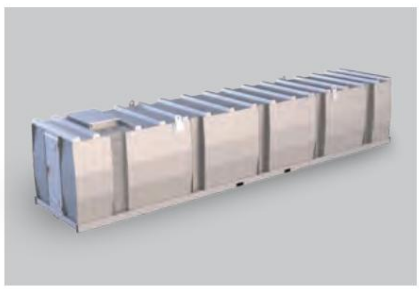
Product recycling

Material reusability

Krampitz tank containers are made of steel or stainless steel. Therefore, they can be easily and environmentally friendly disposed of, provided proper handling is observed.



The components are disassembled, broken down, and remelted. New steel or stainless steel profile tubes or sheets can then be manufactured from these materials. The product cycle is closed.



The KCD-MA concept and the KCD-MA engine room variants

What is the KCD-MA tank series designed for?

Modern plant engineering increasingly utilizes modular functional units. These are factory-built or prefabricated plant components designed for a specific task.

With regard to tank systems, this means that the integration of pumps, filters, pipe assemblies, hydraulic switching units, electrical controls, and even a diesel generator or a lithium battery with inverters for real island operation can be installed.

For 20 years, Krampitz has been producing custom-made tank containers with large equipment niches at the front. Many of these container types are used in Africa and the Arab world.
Therefore, these containers have a heavy-duty CSC transport frame for international transport. Here, KCD stands for Krampitz double-walled container tank and MA for engine room. Hence the designation KCD-MA.

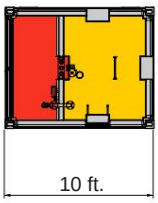
The KCD-MA tanks are available in 10-foot, 20-foot, and 40-foot versions, and the engine rooms in installation depths of 1 meter, 2 meters, and 4 meters. These system components are also manufactured in a thermally insulated version (abbreviation: TI).

Naturally, this robust series is also storm and weather resistant. These containers are approved for installation in earthquake-prone regions – earthquake zone 1. They are suitable for storing fuels and mineral oils with a density of 1.0 kg/l, as well as urea and other chemicals with a density of up to 1.2 kg/l.

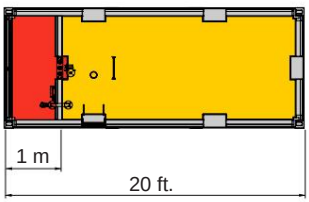
Furthermore, these tanks can also be installed as a special version within process engineering plants which are exposed to medium temperatures up to 100 °C.

KCD engine room variants

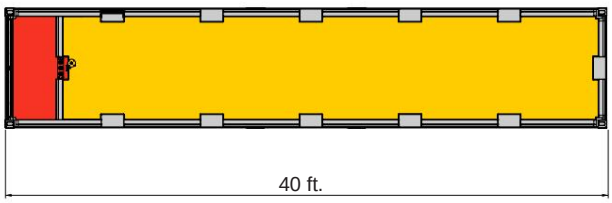
KCD-10-MA-1



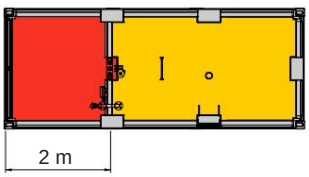
KCD-20-MA-1



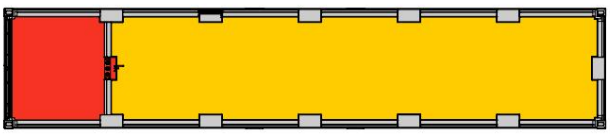
KCD-40-MA-1



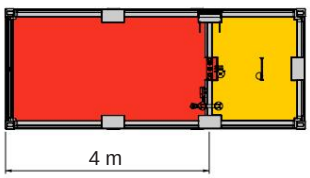
KCD-20-MA-2



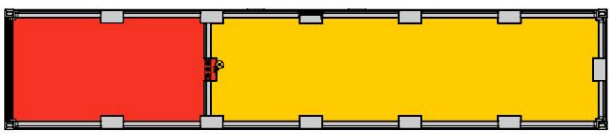
KCD-40-MA-2



KCD-20-MA-4

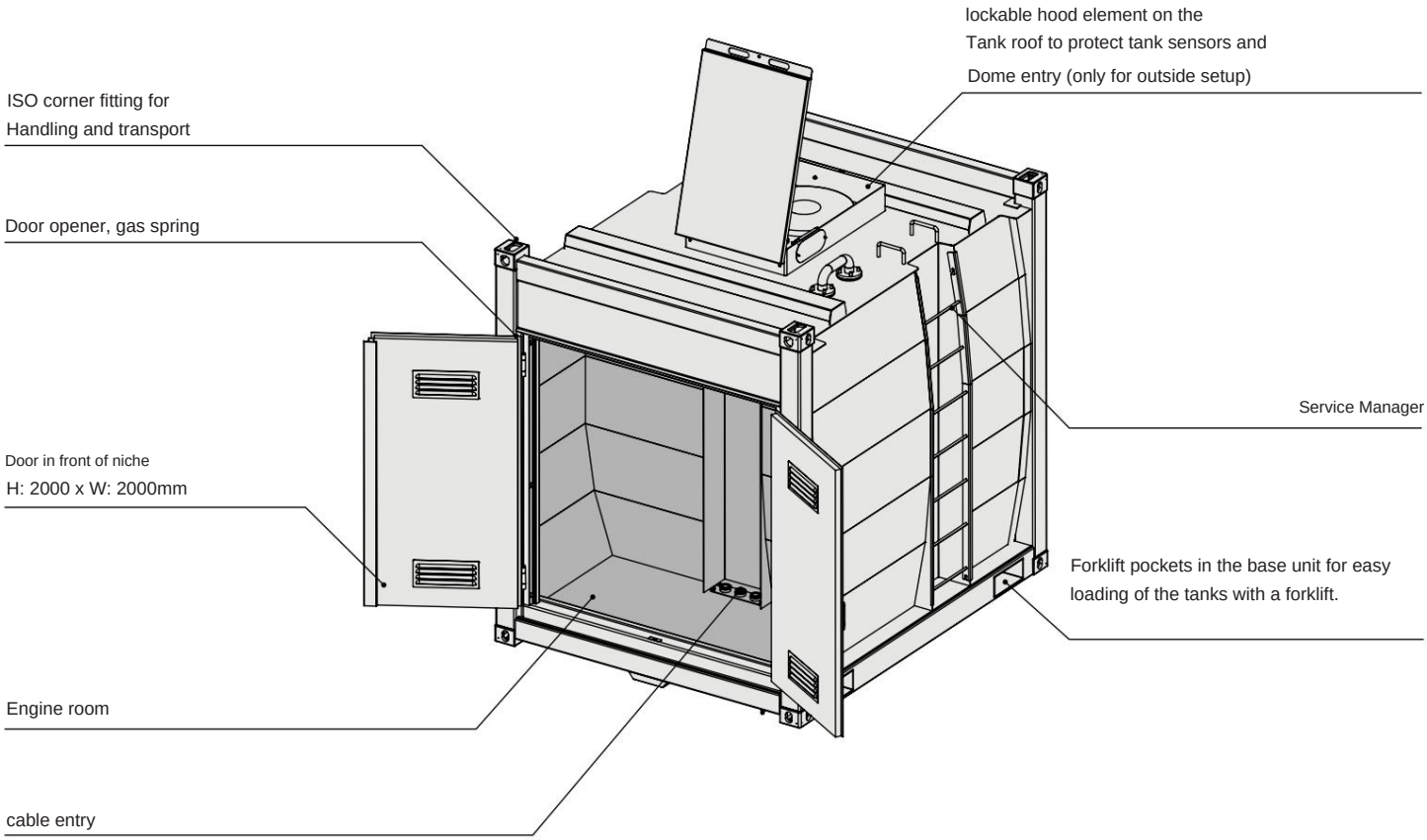


KCD-40-MA-4

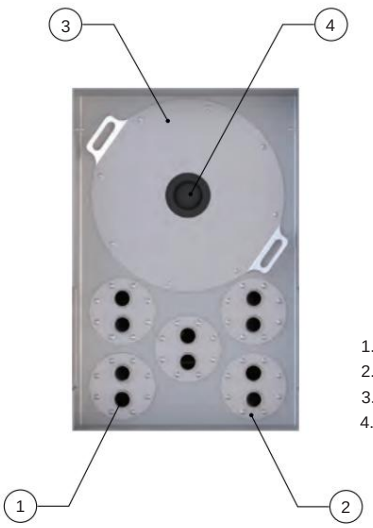


Standard KCD-MA setup

double-walled tank construction of
the steel body with vacuum
Leak monitoring



The **KCD-MA** is designed for the storage of liquid media such as fuel, mineral oil, and chemical media (e.g.,
UREA, with an increased density of 1.2 kg/l).



1.) Sleeve 2"
2.) Flange DN 160
3.) Revision opening
4.) Burst protection

Large tank farm in Chile, based on the KCD-MA platform

KCD-MA variants and tank loads in the event of a disaster

Type of disaster	Explanation of tank loads and statics Measures on the container	Tank type	Factors influencing the tank

KCD-MA standard

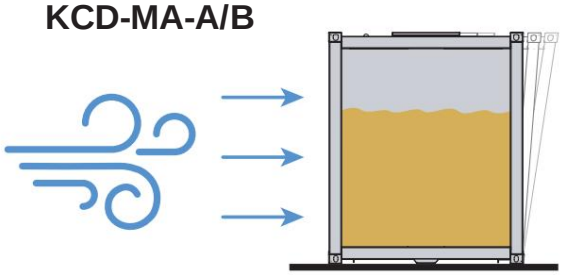
Storms up to wind force 12

All our KCD-MA type tanks are wind load tested, therefore there is no extra version.

- stable side walls, good foundation fastening

standard

KCD-MA-A/B



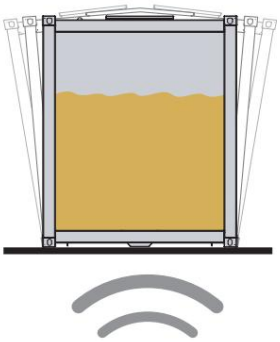
Earthquake zone 1

Vibrations caused by earth tremors cause stress on the tank walls as well as surge movements of the stored medium in the tank.
Vibration-resistant construction and the installation of baffles in our KCD-MA tanks mitigate these movements.

- reinforced tank construction, baffles in the Tank interior, good foundation fastening

KCD-MA-D/F/G/H

The tank wants to deform sideways.



UREA

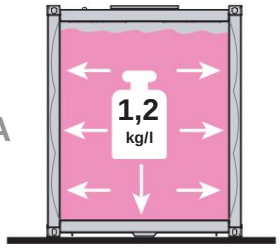
special stress due to higher media density

The tank is threatening to deform outwards. This results in increased stress on the tank bottom, side walls, and roof.

- stable, reinforced side walls and floor

KCD-MA-C/E/G/H

UREA



Exploded view of a KCD-MA tank

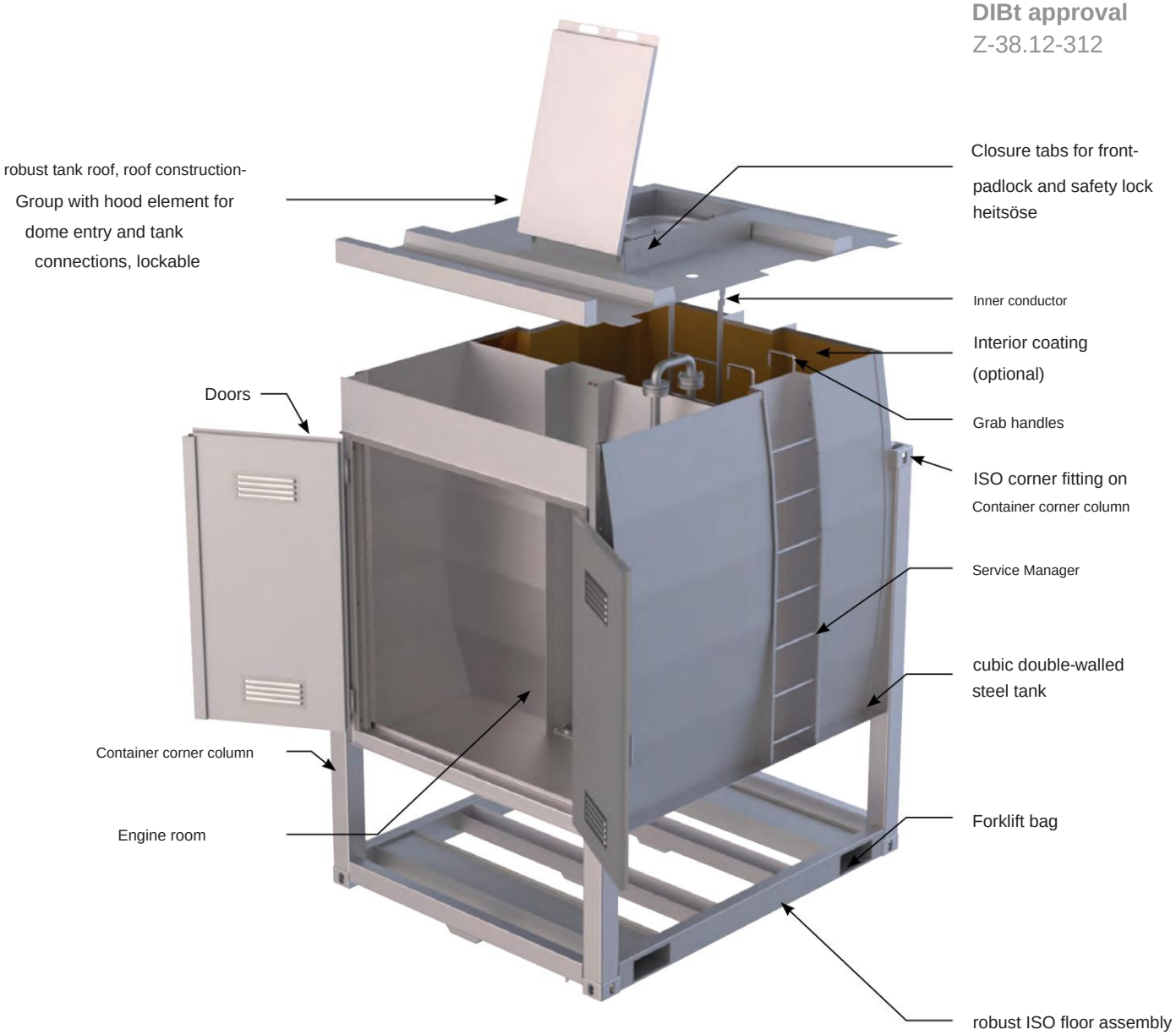
constructive advantages

KCD-MA constructive advantages

- Barrier-free tank interior and optimally smooth interior walls for excellent, flawless tank interior coating and tank cleaning
- Vacuum leak monitoring room
- Special high-strength base assembly made of steel profiles for disaster-proof mounting of the tank on on-site foundations
- High static strength: Tank body made of steel and double-walled construction
- Optimal space-to-volume ratio due to cubic design
- Sealing the tank openings with a cover to protect against weather and vandalism
- Sealing the engine room with a double door to protect it from weather and vandalism

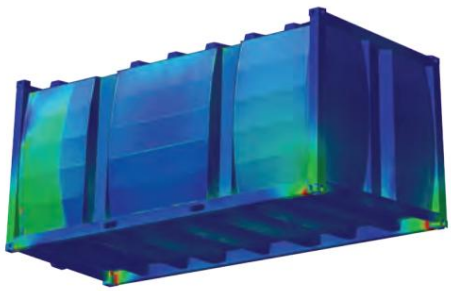
with

DIBt approval
Z-38.12-312



FEM analysis of the KCD-MA - our precise static proof of stability

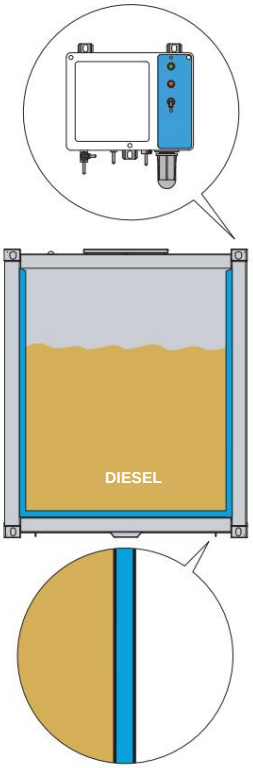
Our tanks are distinguished by their strength and durability. We recalculate the structural integrity of each model to ensure that the tank can withstand even extreme weather conditions and that the container can be exposed to the elements.
It is important to us that our tanks are reliable and therefore do not endanger the environment.



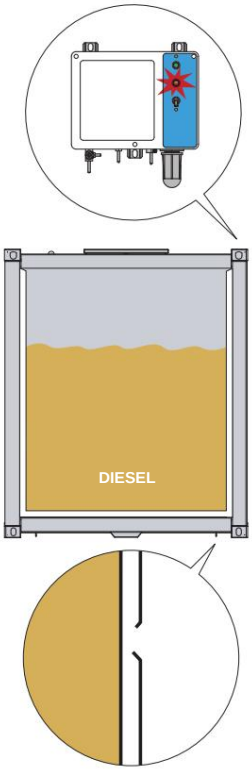
Safety function of the vacuum leak detector
Interior coating options

Function of the vacuum leak detector, electronic

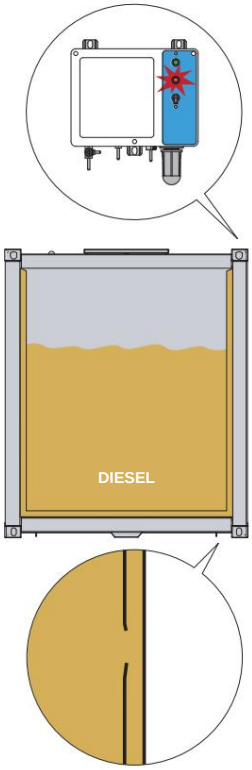
- The alarm is indicated visually and audibly in case of a leak on the outer or inner wall.



Vacuum secured



Malfunction: Leakage in external tank

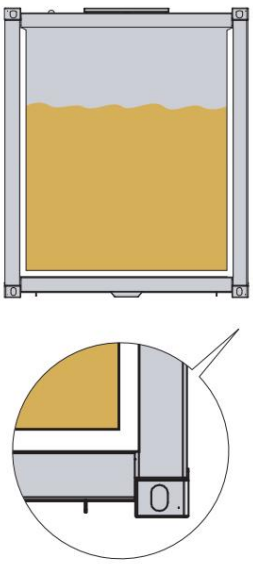


Malfunction Leakage Inner Tank

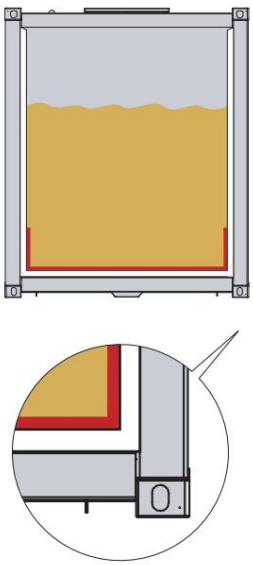
The KCD-MA is manufactured from steel S235 JR according to the general building authority approval Z-38.12-312 **and must be equipped with a vacuum leak detector.**

Internal coatings appropriate for tank media

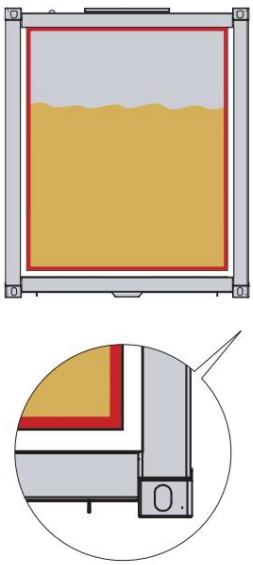
no inner coating
Exterior wall - steel
Interior wall - steel



Interior coating of the base tray, 300 mm high base tray
Exterior wall - steel
Interior wall - steel



Complete interior coating
Exterior wall - steel
Interior wall - steel



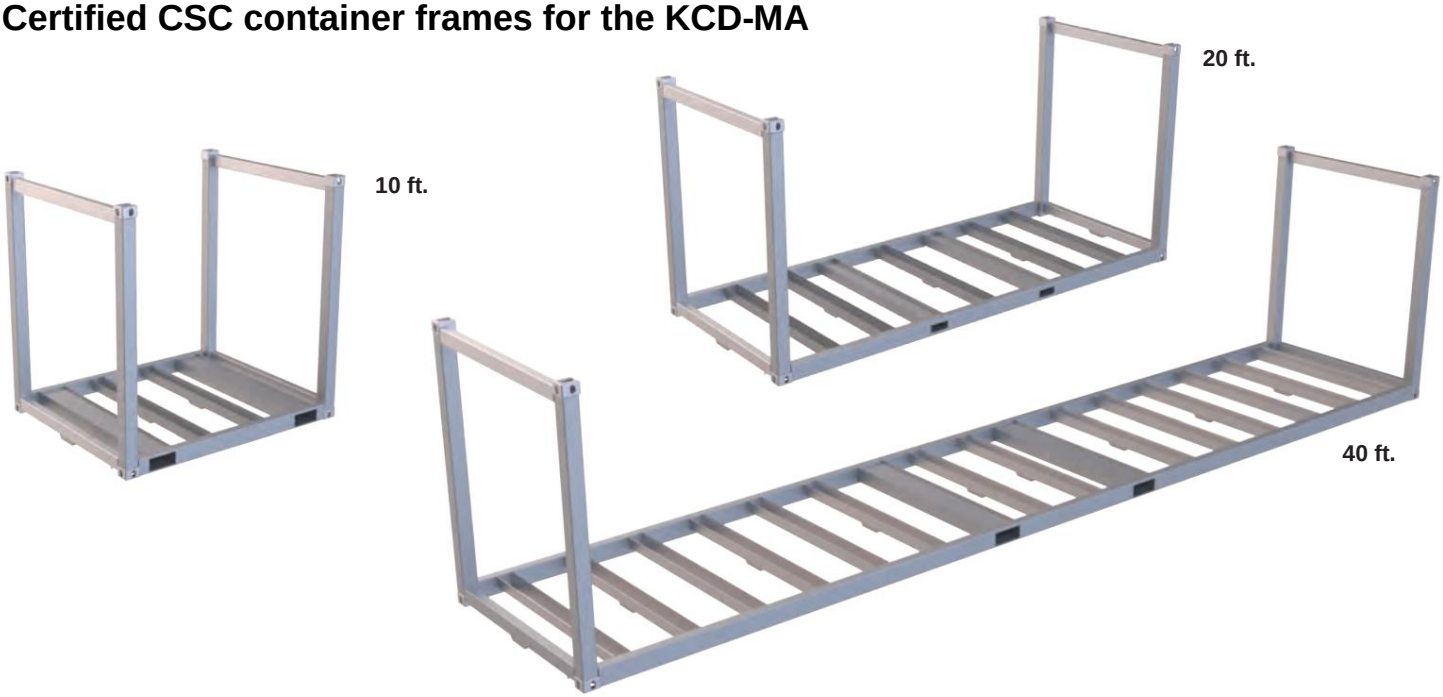
Note: Further media available upon request!

Tank media

Diesel	Biodiesel	vegetable oil	Bioethanol	engine oil	Used lubricating oil	Cooling water	UREA

CSC container frames for international transport

Certified CSC container frames for the KCD-MA



International Transport permit for:


Ship


Truck


Train

A key feature of KCD tanks is the certified CSC transport frame, into which the KCD tank and the integrated engine room are embedded. This allows the container to be transported worldwide without problems after successful DNV approval – by ship, rail, and truck. During CSC testing, our tank containers undergo rigorous stress tests on a test rig. We have illustrated a brief overview of the test steps. The special feature of the Krampitz Container-

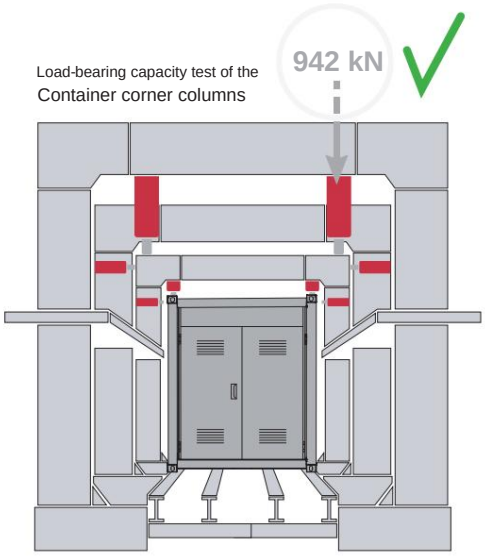
The robustness of the CSC frame is a key design feature. Normally, the frame exhibits slight bending during torsional rigidity tests. This is measured using micrometer screws. Even after the frame is relieved of the load on the test rig (by retracting the hydraulic test rams), a slight deformation typically remains. The Krampitz container frame returns to 0 mm. We are proud of this.

Krampitz CSC containers under test - test examples

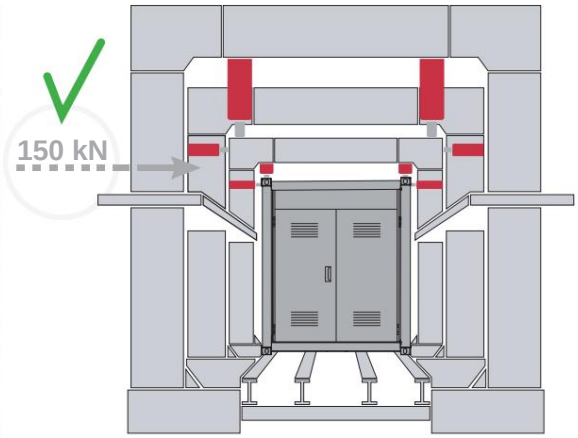
Stack test

Krampitz Container KCD-MA in the CSC test bench

Load-bearing capacity test of the
Container corner columns

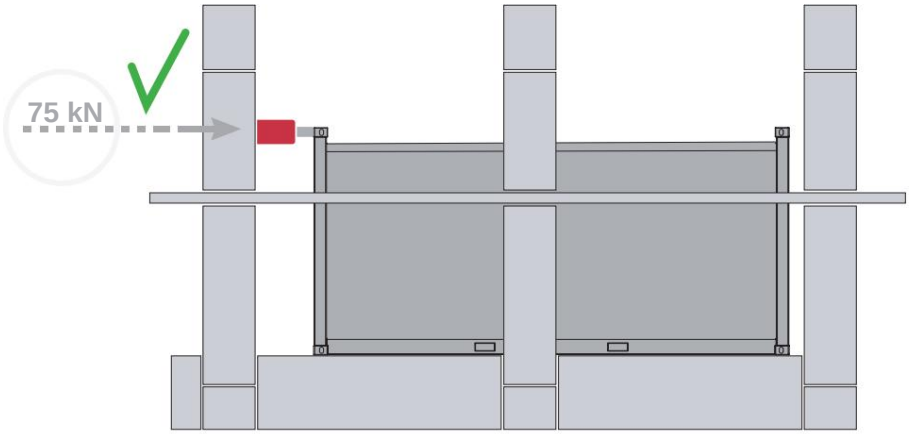


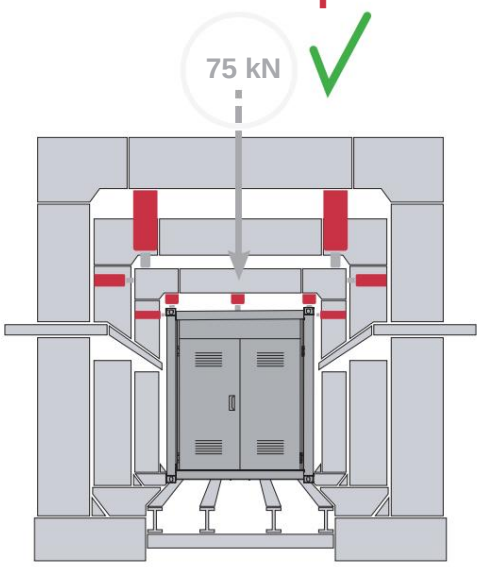
Test of the torsional stiffness of
the front wall frame



Where brute force is used wisely, this tank can retain its shape.

Test - Torsional stiffness of the longitudinal wall and the container roof





KCD-MA for outdoor installation

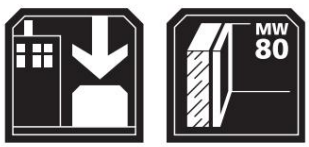
Field deployment
Standard version

Type:
KCD-10-MA-1-A

key features

- Hood element with locking flap - Dome access
DN 600 - Connection
sockets according to spigot table
- Burst protection
- Vacuum leak detector in weatherproof housing on tank wall - external
weatherproof, high-quality multi-layer coating
- ISO container frame

Field deployment
Thermally insulated version



Type:
KCD-10-MA-1-B

key features

- Hood element with locking flap - Dome access
DN 600 - Connection
sockets according to spigot table
- Burst protection
- Vacuum leak detector in weatherproof housing on tank roof - 80 mm thick
external thermal insulation
- ISO container frame

KCD-MA equipment example for the engine room

KCD-MA engine room with tanker truck filling nozzle and Potential equalization drum, gas recirculation and 5 machine connections with respective fuel filters

Standard equipment

Electrical
Leak detector

Cable penetrations in the floor

Filter system in the engine room for continuous cleaning and maintenance of the fuel in the tank compartment

Example image

Optional Equipment examples

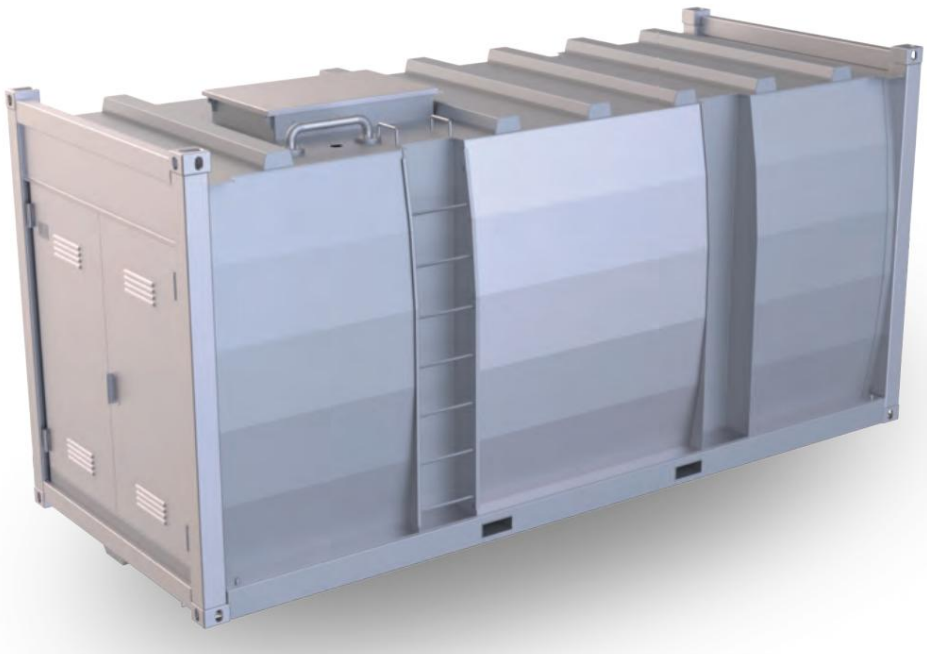
electric pump

Tap module

cable reel
for grounding cables

KCD-MA double-walled storage tank container with Engine room

KCD-MA
Double-walled



The Minotaur storage tank container is a cubic, double-walled construction.
It is integrated into an ISO container frame and combines all the advantages
of this system.

This applies in particular to:

- Transport - international approval for ship, rail and road (CSC), in an emptied and cleaned state
- Storage - stackable up to 8x (empty)
- Safety - high static strength and double-walled construction (must be equipped with a vacuum leak detector)
- Storage capacity - optimal space-to-volume ratio thanks to cubic design
- Equipment is arranged in a protected functional niche of the tank.
- Designed for temperatures from -25 °C to +50 °C
- Low investment costs: no additional drip tray is required, attachment via twist-lock mechanism.
- Corrosion protection coating resistant to seawater (optional)

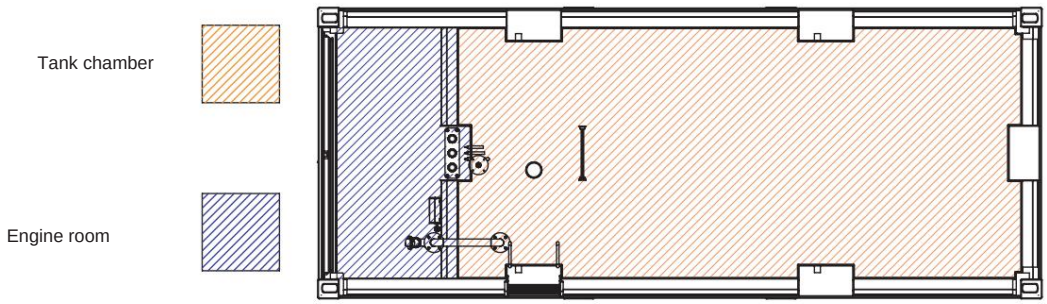
The storage tank container requires a permanently installed connection to the power grid for operation.

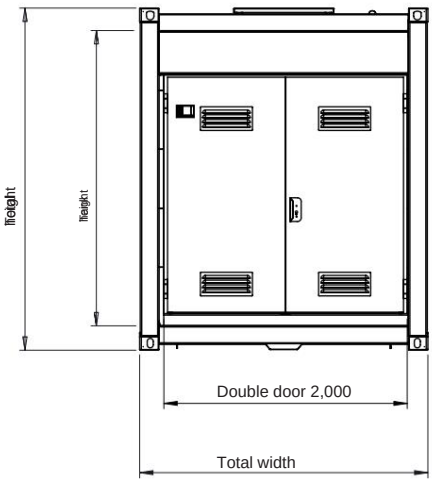
Please note: Transport only when empty and clean!

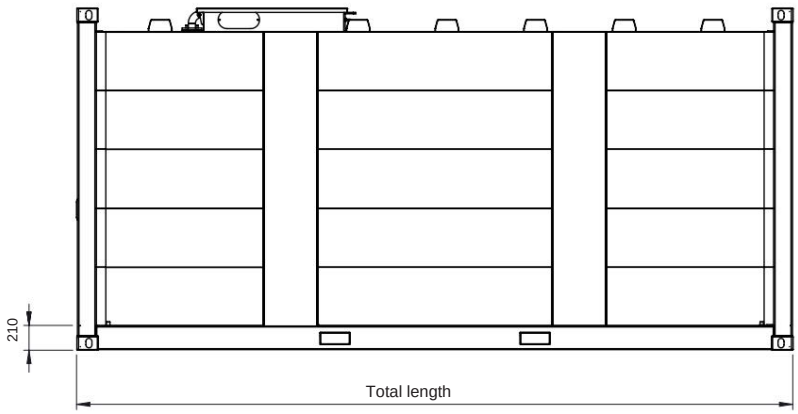
KCD-MA double-walled storage tank container with Engine room

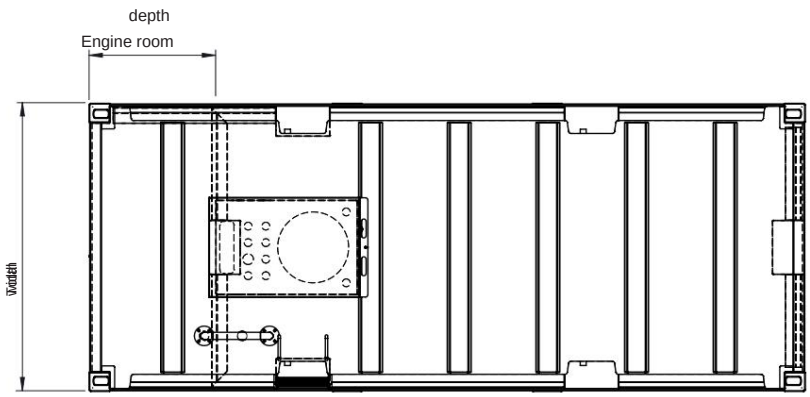
Tank type	volume 100%	Volume 95%	length in total	Width in total	Height in total	Tank height	Engine room depth	Weight (empty)
Item No.	l	l	mm	mm	mm	mm	mm	kg (approx.)
KCD-10-MA-1-A	9,130	8,710	2,991	2,438	2,896	2,500	1,000	3,485
KCD-20-MA-1-A	25,800	24,600	6,058	2,438	2,896	2,500	1,000	5,610
KCD-40-MA-1-A	58,695	55,950	12,192	2,438	2,896	2,500	1,000	9,820
KCD-20-MA-2-A	20,350	19,415	6,058	2,438	2,896	2,500	2,000	5,285
KCD-40-MA-2-A	53,240	50,750	12,192	2,438	2,896	2,500	2,000	9,570
KCD-20-MA-4-A	9,670	9,240	6,058	2,438	2,896	2,500	4,000	4,890
KCD-40-MA-4-A	42,550	40,550	12,192	2,438	2,896	2,500	4,000	9,200

Tank height = Engine room height **Machine room width: approx. 2,100 mm**









MINOTAUR® KCD-20-MA-1

Double-walled storage tank container
(optional: ship door for offshore application)

Technical specifications subject to change without notice.

KCD-MA double-walled storage tank container with Engine room and thermal insulation

KCD-MA
Double-walled

The Minotaur storage tank container is a cubic, double-walled construction.
It is integrated into an ISO container frame and combines all the advantages
of this system.

This applies in particular to: • Transport -
international approval for ship, rail and road (CSC), in an emptied and cleaned state • Storage - stackable 8x (empty) • Safety - high static strength
and double-walled construction (must be
equipped with a vacuum leak detector) • Storage capacity - optimal space-to-volume ratio due to cubic design • Equipment protected in a functional niche of the
tank • Designed for temperatures from -25 °C to +50 °C • Low investment costs: no additional spill
containment required, secured via twist-lock mechanism • Corrosion protection coating resistant to
seawater (optional) • 80 mm thick external thermal insulation

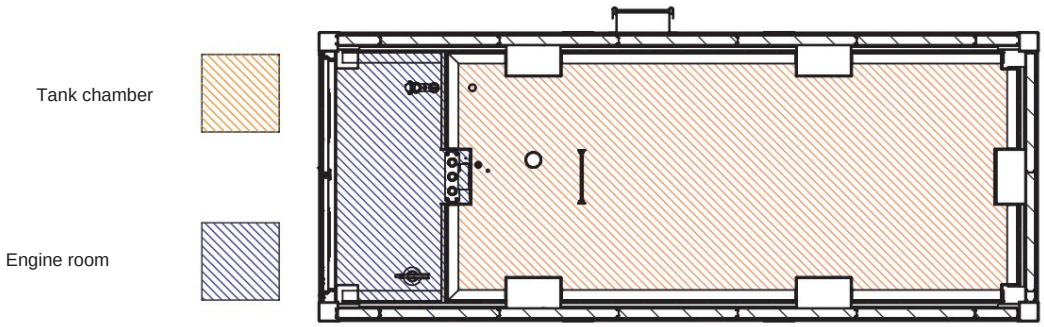
The storage tank container requires a permanently installed connection to the power grid for operation.

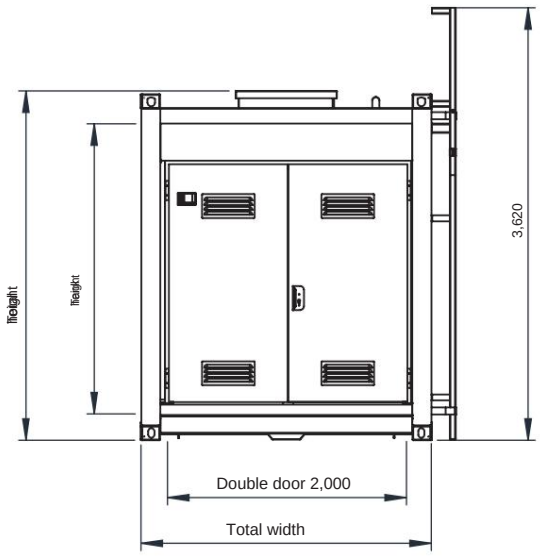
Please note: Transport only when empty and clean!

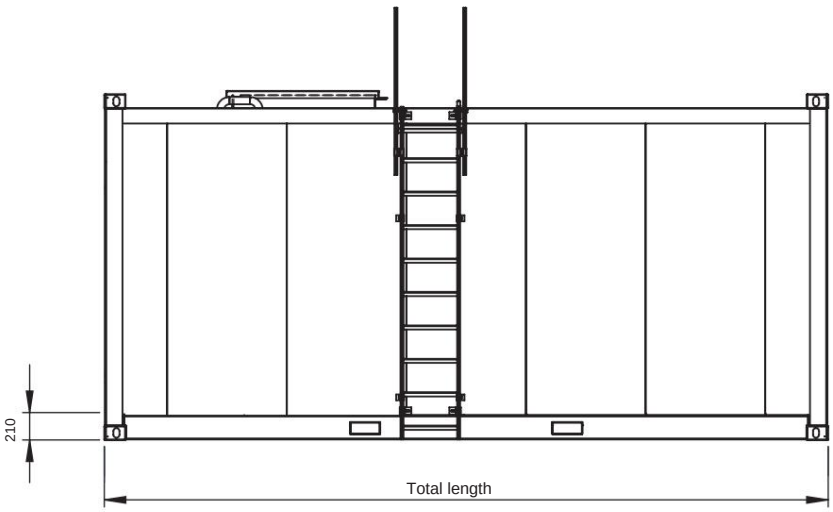
KCD-MA double-walled storage tank container with Engine room and thermal insulation

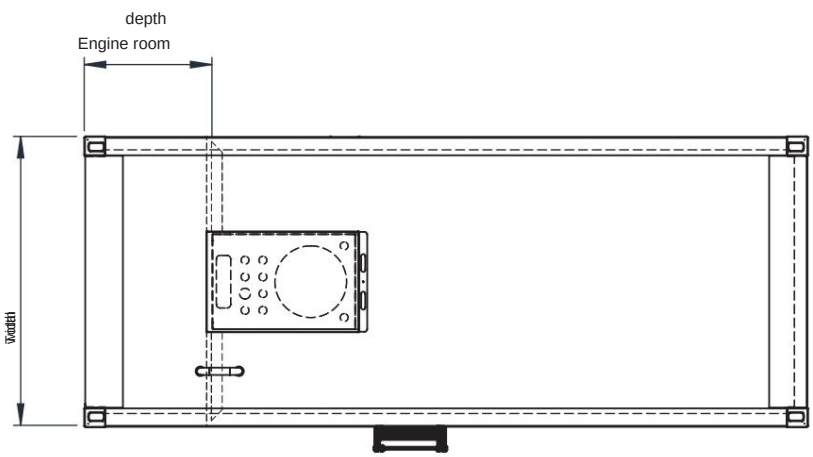
Tank type	volume 100%	volume 95%	length in total	Width in total	Height in total	Tank height	Engine room depth	Weight (empty)
Item No.	l	l	mm	mm	mm	mm	mm	kg (approx.)
KCD-10-MA-1-B	7,845	7,500	2,991	2,438	2,896	2,500	1,000	4,190
KCD-20-MA-1-B	23,155	22,090	6,058	2,438	2,896	2,500	1,000	6,695
KCD-40-MA-1-B	53,325	50,845	12,192	2,438	2,896	2,500	1,000	12,175
KCD-20-MA-2-B	18,150	17,320	6,058	2,438	2,896	2,500	2,000	6,435
KCD-40-MA-2-B	48,390	46,140	12,192	2,438	2,896	2,500	2,000	11,925
KCD-20-MA-4-B	8,460	8,090	6,058	2,438	2,896	2,500	4,000	6,020
KCD-40-MA-4-B	38,550	36,760	12,192	2,438	2,896	2,500	4,000	11,275

Tank height = Engine room height **Machine room width: approx. 2,100 mm**









MINOTAUR® KCD-20-MA-1-B

Double-walled storage tank container
(optional: ship door for offshore application)

Technical specifications subject to change without notice.

KDC-MA with safety railing and DIN access ladder

fully thermally insulated KCD-MA

Ventilation openings

Item No.:
AM-S-440-001

Openings for the ventilation space between the tank and insulation to prevent condensation on the outer tank wall.

Example:
thermally insulated **KCD-MA tank** with safety railing on the tank roof and a safety-compliant access ladder.

This railing design is available for all KCD-MA tank types. It is delivered disassembled with the tank.

(Compliance with transport dimensions).

Large tank farm with KCD-MA storage tank containers

KCD-MA Example Applications for Large Tank Farms in Africa and South America

Installation example:

Optional

1.) Sunshade roof

2.) Lightning rod

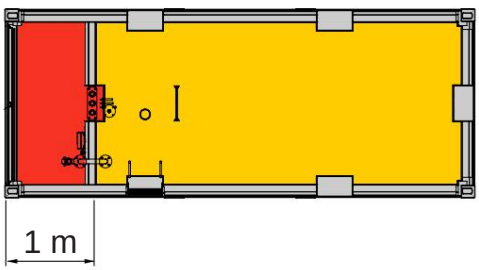
3.) Vent pipes with silica gel filter

4.) Wall penetrations for pipes

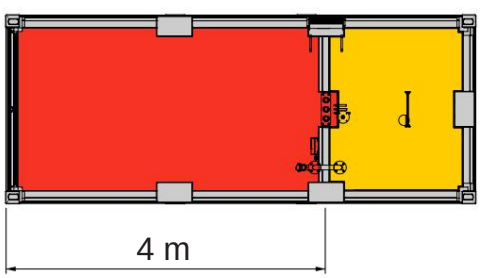
5.) Vacuum leak detector for Ex media

The KCD-MA is ideally suited as a tank container platform for large tank farms.
The MA-1 serves as a worker for the continuous distribution line. The MA-4 provides space for the complex transfer and metering system of a large tank farm.

Application example:



KCD-20-MA-1 as a worker



KCD-20-MA-4 as administrator

Engine room

Tank chamber

KCD-MA safety equipment

Leak detector

Installation in a niche

AE-350

Electronic vacuum leak detector
230 V/AC

Application area of the Eurovac HV leak detector:

- Double-walled container made of steel or stainless steel with a suitable monitoring chamber according to EN 13160-7.

- Water-polluting liquids with a flash point > +55 °C that do not become viscous and do not release solids

- UREA (urea solution 40%) according to DIN 70070
- Monitoring of other media (e.g. lubricating and hydraulic oils, grinding coolants, brake fluids, etc.).

AE-354

Electronic vacuum leak detector
24 V/DC

Area of application:

- Water-polluting liquids with a flash point > 55 °C, where no explosive vapors are present
  Air mixtures occur
- Tank systems with existing fixed 24 V/DC mains connection. (Optionally with various explosion protection features for liquids with a flash point < 55 °C as a separate component)

EX-AE-351.1

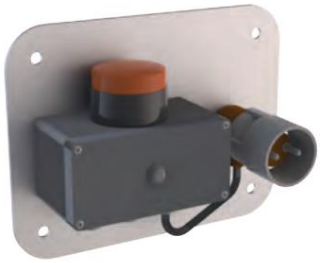
Electronic vacuum leak detector
Type VLXE 330 M for hazardous areas
230V or 24V/DC

Area of application:

The VLXE leak detector is designed for double-walled containers. It is exclusively suitable for indicating leaks in containers that are unpressurized, meaning those used for storing liquids under atmospheric conditions. Thanks to its explosion-proof design, the VLXE leak detector is also suitable for monitoring ethanol-containing fuels. The leak detector must always be installed outside of a potentially explosive atmosphere (Ex zone).

B-AE-907-W

Overfill receipt box
24 V/DC



Area of application:

The B-AE-907-W is used for the automatic shutdown of the tanker truck's pump or for signaling to the tanker driver during tank filling. The horn is deactivated by pressing the acknowledgement button when the overfill protection is triggered. The flashing light goes out automatically when the overfill protection is not wetted. Pre-assembled safety equipment consists of the B-AE-110 overfill acknowledgement box and the AE-203 limit switch connector for wall mounting.

Example images

Equipment options KCD-MA

Pumps and filters

Diesel

PH-2020-AL
Hand pump
15l/min

Z-PK-3020, Z-PK-3021
Pump combination 5-50 l/min 230 or 400 V/AC

PK-90
Electric pump
5-50l/min 230 or 400 V/AC

PK-170
Electric pump
120l/min 400 V/AC

Mineral oils

PH-2020-AL
Hand pump
15l/min

Z-PG
Two-way pump 26l/ min 400 V/AC

PG-26
Electric pump
26l/min 400 V/AC

PG-60
Electric pump
60l/min 400 V/AC

UREA

PH-2020-UR
Hand pump
15l/min

PK-35-001
Submersible pump 35l/min 230 V/AC

Air filter

silica gel filter

Diesel filter

FI-AL-160-001
25my

Equipment options KCD-MA

Tank fittings

Pipe assemblies / Fittings

2" vent pipe with cover

steel and brass

stainless steel and plastic

	Item No.:
Diesel/HVO	**AM-911**
Mineral oils	**AM-911**
UREA	**AM-911-E**

2" filling port with filling tube

steel and plastic

stainless steel

	Item No.:
Diesel/HVO	**AM-912**
Mineral oils	**AM-912**
UREA	**AM-912-E**

Intake pipe 1" with foot valve

steel and brass

stainless steel

	Item No.:
Diesel/HVO	**AM-920.1/2**
Mineral oils	**AM-920.1/2**
UREA	**AM-920.1-E** **AM-920.2-E**

Suction pipe 1" with angle valve

steel and brass

	Item No.:
Diesel/HVO	**BG-SGS-25-2000**
Mineral oils	**BG-SGS-25-2000**
UREA	**BG-SGS-25-2000-VA**

Tank filling and Inlet pipes 2"

Steel

stainless steel

	Item No.:
Diesel/HVO	**AM-925**
Mineral oils	**AM-925**
UREA	**AM-925-E**

dipstick with 1" stainless steel sighting tube and sighting tube closure with chain

Stainless steel and brass

	Item no.:
Diesel/HVO	**AM-005.10 Dipstick aluminum**
Mineral oils	**AM-005.10 Aluminum dipstick**
UREA	**AM-005.13 plastic dipstick**

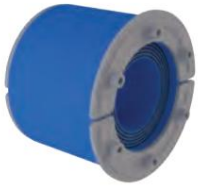
Example images

Equipment options KCD-MA

Tank fittings

group

Wall penetration for pipes and cables



(Not standard, only on request)

	Item No.:
Diesel/HVO	**AE-425**
Mineral oils	**AE-425**
UREA	**AE-425**

electronic content display
Level evaluation unit 4-20 mA/
DC - for control
cabinet installation
- for wall construction

	Item No.:
Diesel/HVO	**AE-115-A**
Mineral oils	**AE-115-A**
UREA	**AE-115-A**

Remote control for calibrating the electronic content detector

show

	Item No.:
Diesel/HVO	**AE-115-VI-F**
Mineral oils	**AE-115-VI-F**
UREA	**AE-115-VI-F**

electronic

Content indicator probe

4-20 mA/DC

	Item No.:
Diesel/HVO	**AE-115-VS** **AE-2500-VS**
Mineral oils	**AE-115-VS** **AE-2500-VS**
UREA	**AE-120-VI-UR**

electronic content display
Pressure transmitter

4-20 mA/DC

	Item No.:
Diesel/HVO	**AE-402**
Mineral oils	**AE-402**
UREA	-

Level sensor mineral oil

	Item No.:
Diesel/HVO	-
Mineral oils	**AE-100-E**
UREA	-

Level sensor UREA

	Item No.:
Diesel/HVO	
Mineral oils	-
UREA	**AE-100-UR** **AE-100-UR.1**

Level sensor Diesel

	Item No.:
Diesel/HVO	**AE-100-DB**
Mineral oils	-
UREA	-

Equipment options KCD-MA

special equipment

Additions and installations

Double doors

Item No.:
Z-NT-2020.0
(Standard)

Roller doors

Item No.:
RT-1585-2000
(option)

Lightning rod
(option)

Item No.:
BG-LIGHTNING PROTECTION-2

Professional Lightning rods mounted on the container frame to protect against lightning- to protect against lightning strikes. They provide a direct, low-resistance path for the electrical discharge, ensuring it travels safely from the lightning strike into the ground. This prevents building damage and reduces the risk of fires or electrical hazards.

DANGER:
Ground anchors are not Included in the scope of delivery.

Niche ladder
(Standard)

Item No.:
XS-2500
Simple niche ladder for climbing onto the tank

Access ladder according to DIN
(option)

Item No.:
AM-S-2800-001
AM-S-2800-001.1

Safety railings
(option)

Item No.:
AM-GEL-1 (1m)
AM-GEL-2 (2m)

Example images

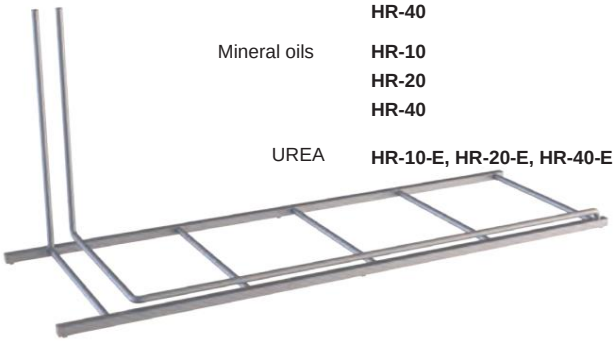
Equipment options KCD-MA special equipment

Tank heating

Electric tank heater
400 V/AC

	Item No.:
Diesel/HVO	**AE-810** **AE-820**
Mineral oils	**on request**
UREA	**on request**

hydraulic heating coil



	Item No.:
Diesel/HVO	**HR-10** **HR-20** **HR-40**
Mineral oils	**HR-10** **HR-20** **HR-40**
UREA	**HR-10-E, HR-20-E, HR-40-E**

Electric tank heater
230 V/AC or 400 V/AC

	Item No.:
Diesel/HVO	**AE-800** **AE-802**
Mineral oils	**on request**
UREA	**on request**

simple dispensing modules for refueling vehicles

Tap module	Item No.:
Diesel/HVO	**THX-50-D** **THX-50-D.1**
Mineral oils	-
UREA	**THX-32-UR**

Tap module	Item No.:
Diesel/HVO	**THX-MC-50-D** **THX-50-D**
Mineral oils	-
UREA	-

Example: Redundant fuel handling system in a KCD-MA-4 with two pumps and measuring system for a large tank farm

Foundation anchoring of the KCD-MA

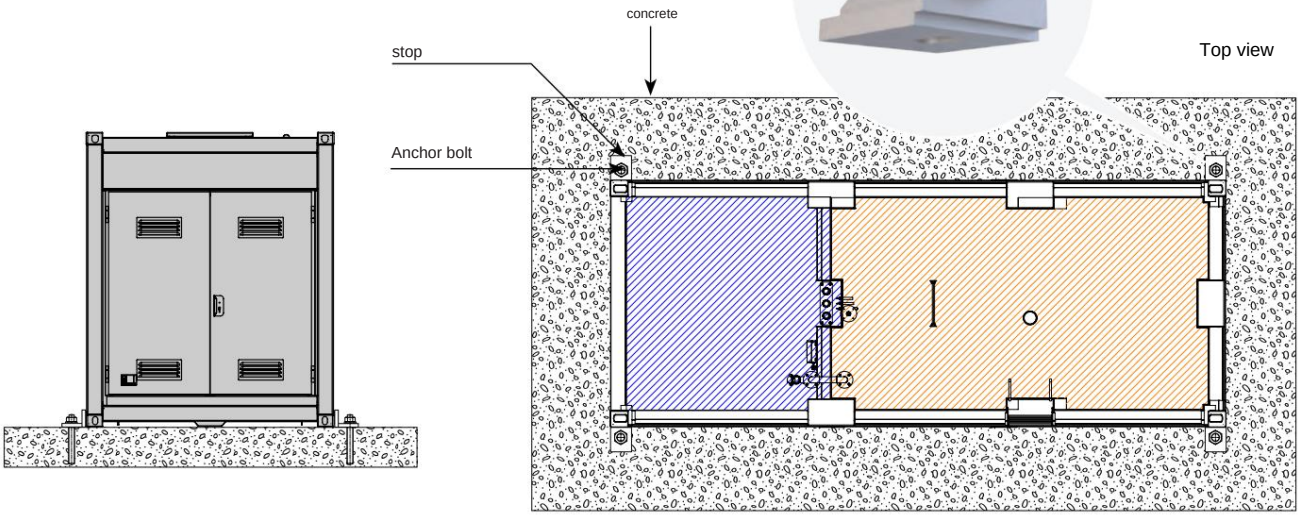
Foundation fixing

Fixing points foundation mounting brackets (bolts provided by the customer)

Item No.:

BG-B-BFK-ISO-S1

(option)



Anti-tipping (lifting) protection. Other fastenings are possible and must be demonstrated according to local conditions.

Krampitz classification of products

Products

- KTD
- KTD-F
- KTD-FE
- KTD-F-XL
- KTD-TT
- KCD-MA
- KCS
- KTM
- KTM-C
- TTE-A, TW-A
- TTE-B/C, TW-B/C
- TTE-XL, TW-XL
- TTMO

BASIS®

The BASIS tanks are used for storing water-polluting media such as diesel, heating oil and lubricating oil.

The BASIS tank can easily be moved using a forklift or crane.

MINOTAUR®

The MINOTAUR tank body is equipped with a stable container frame with ISO corners, which complies with international CSC regulations.

Manufactured as a cubic, double-walled construction.

CENTAUR®

CENTAUR **tanks** are suitable for use in logistics companies, the chemical industry, the mineral oil trade, machine and generator construction, as well as in disaster relief or crisis areas.

OPTIMAL®

The **OPTIMAL systems** are specifically designed for oil changes and/or oil supply of industrial combustion engines.

Krampitz®

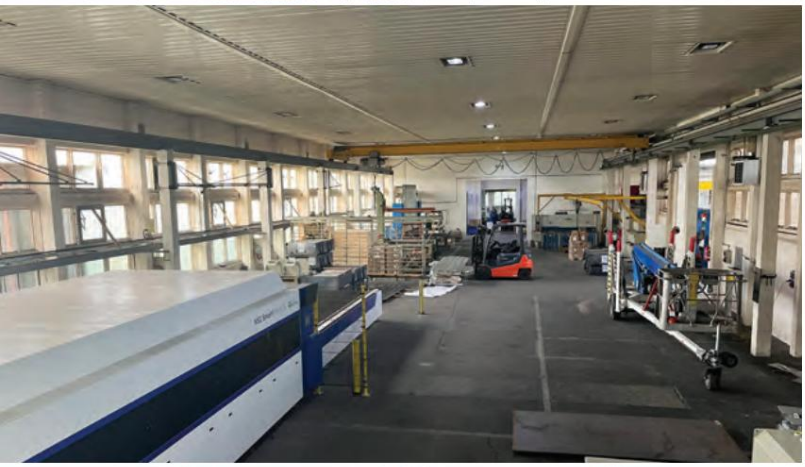
EQUIPMENT

Our **EQUIPMENT**
- Tank fittings
- Tank sensors
- Pumps

To ensure our high quality standards, we work with the following testing, monitoring and approval organizations:

DIBt PTB Germanischer Lloyd OPERATING 24/7 TÜV NORD BAM



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Krampitz Container System GmbH
Krampitz Tank System GmbH

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