



Storage tank containers

made of steel for supply of machinery and
buildings with fuels and oils

Kraampitz
TANKSYSTEM GMBH



Fields of application



cubic design



robust construction



ultra-modern system





Minotaur® storage tank containers are robust, highly-safe, volume-optimised, fast mountable container systems with international technical approvals.

They are used in all areas of professional fuel distribution, like:

- mineral oil distribution,
- mining,
- construction industry,
- aid organizations,
- logistics and forwarding agencies.

The container itself is the cubic tank. It is possible to integrate equipment-niches for components. The storage tank container is designed for an outside installation.

From this results a robust, highly-safe, ultra-modern system unit.



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stackable



Tasks





The Minotaur® storage tank containers are used for storage of liquids hazardous to water, like:

- fuel oil,
- diesel,
- gasoline,
- kerosene,
- ethyl alcohol,
- mineral oil,
- vegetable oil,
- process water.

Minotaur® tank containers are a cubic, double-walled construction made of steel, integrated in an ISO-container frame

The Minotaur® storage tank containers are manufactured according to the general construction-supervision approvals (by DIBt):

- as storage tank for liquids hazardous to water, flammable liquids - Z-38.12-23
- as storage tank for liquids not hazardous to water - Z-38.11-143

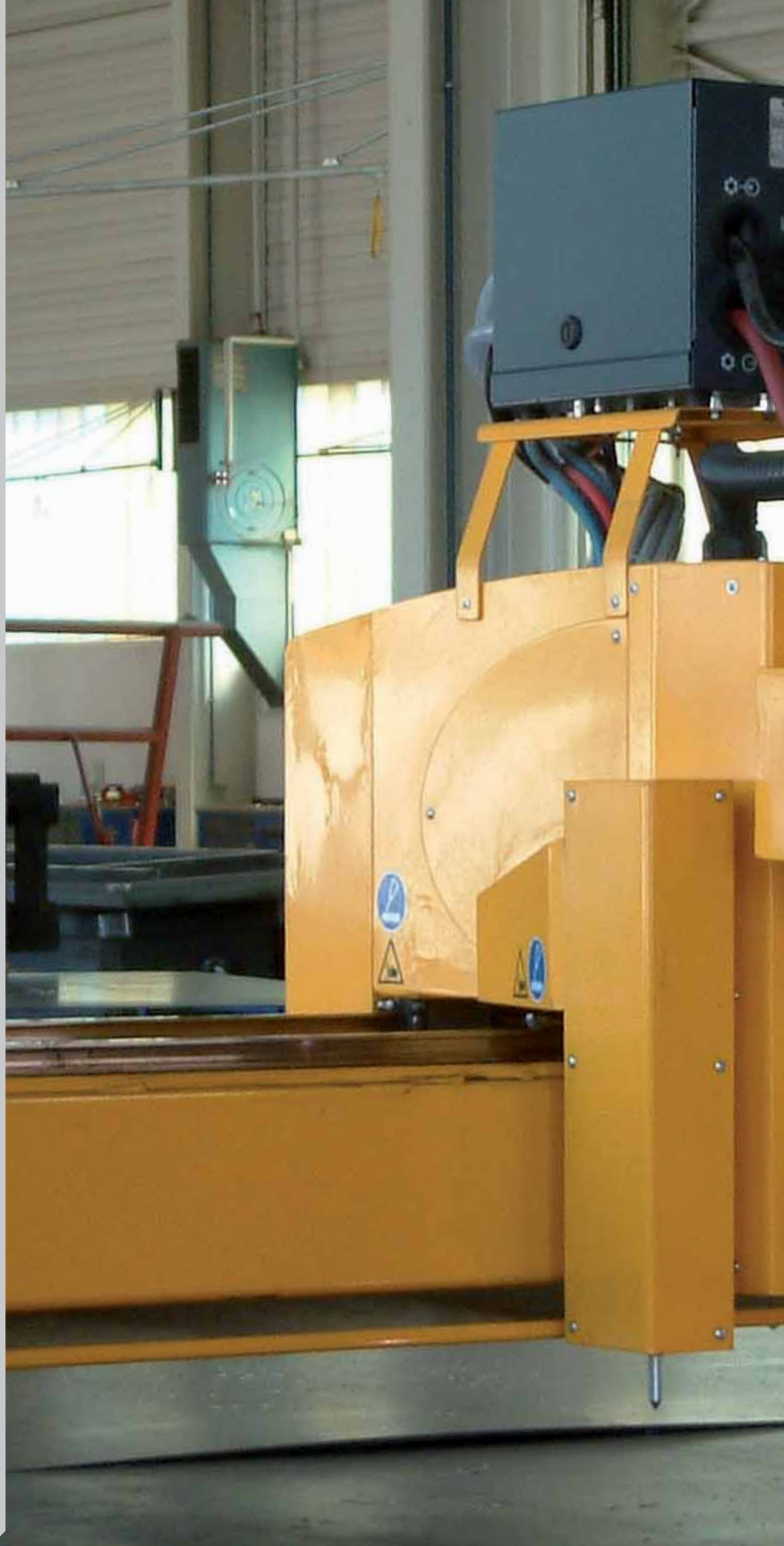
Robust - Functional
Ultra-modern system unit
finest German quality

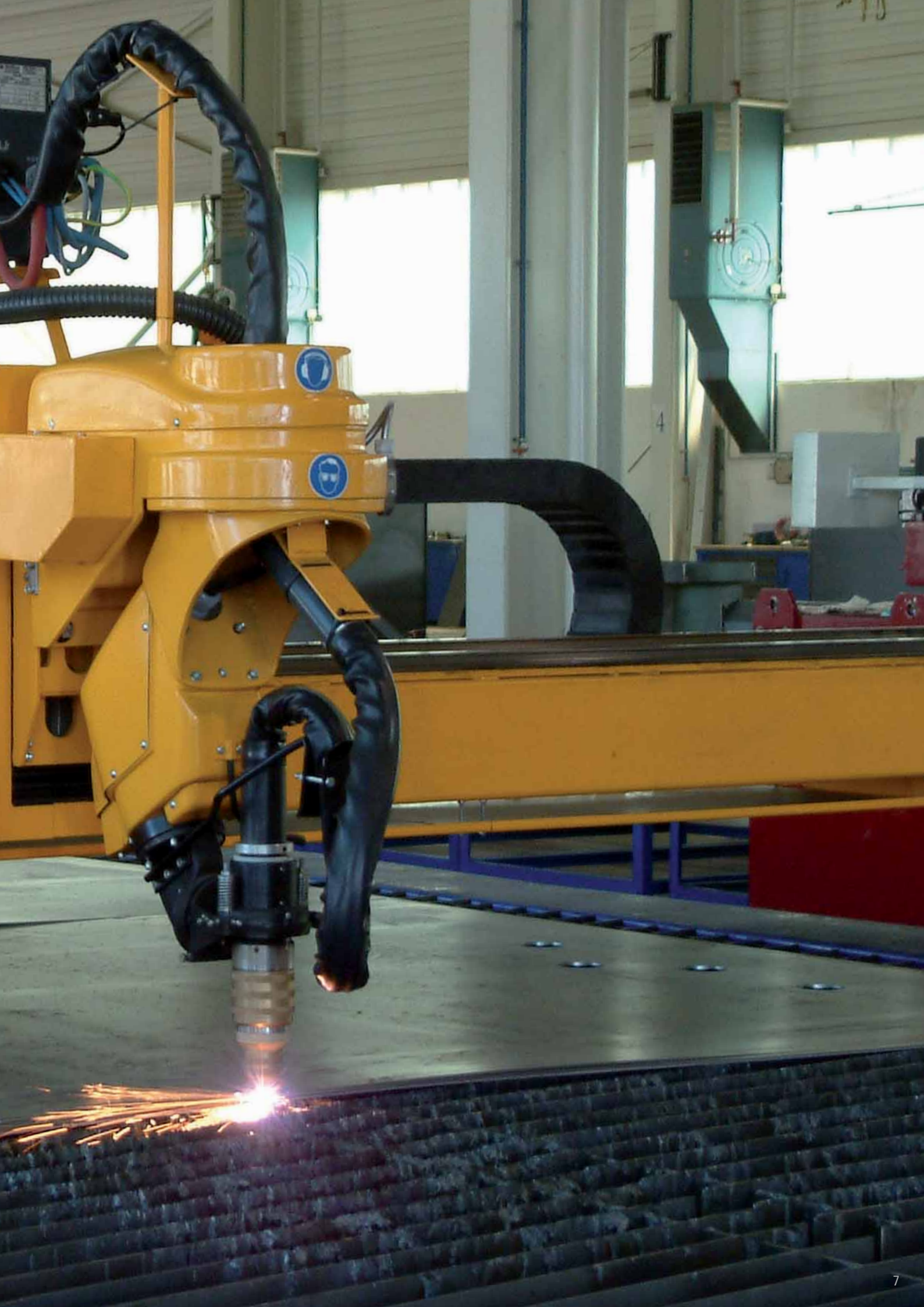
diesel generator set



Advantages

- transport - international approval for transport by ship, rail and road, in a drained and cleaned state
- stacks of up to 8 units possible (empty)
- high, static safety - double-walled design with vacuum leak indicator
- storage capacity - optimum space/ capacity ratio due to cubic design
- arrangement of the equipment is protected in one of the tank niches
- low investment costs: extra collecting pan is not needed, sustainable subsoil is sufficient





Examples



2 x storage tank unit 10 ft.



function niche, front side



unit „Komfort“ 10 ft.



thermo-insulated version 40 ft.



unit „Solo“ 20 ft.



refuelling system



unit „Solo“ 10 ft.



special pumps 1200 l/min, in function niche



unit „Komfort“ 10 ft.



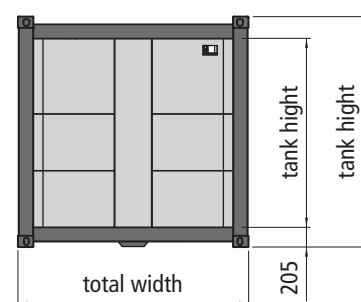
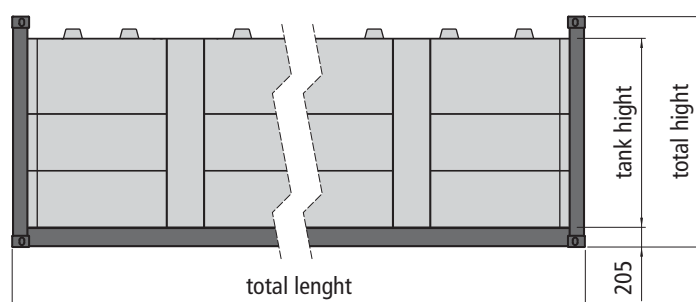
vacuum leak monitor - surveillance



unit 40 ft. - HC

Storage tank container

size - volume



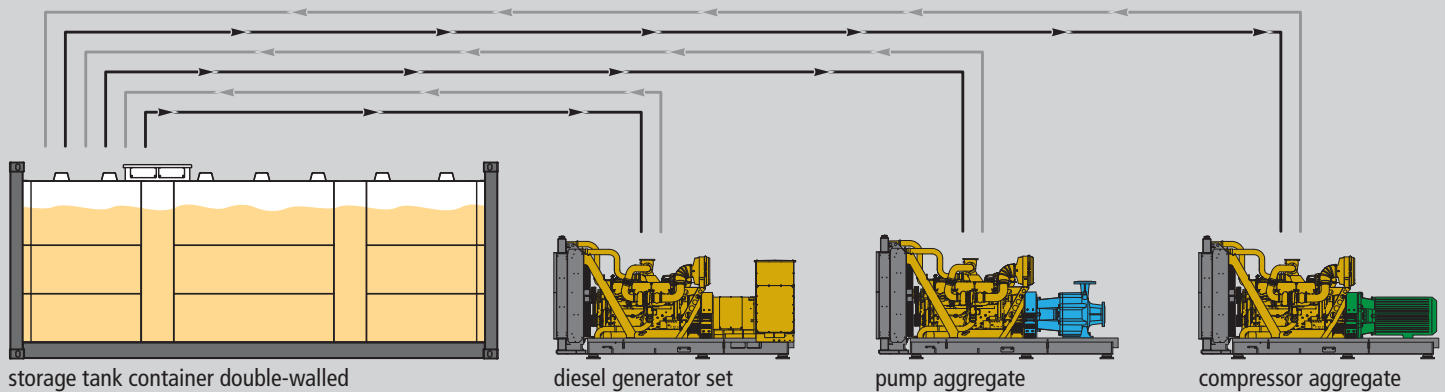
tank type	max. capacity		container measurements						
	volume 100 %	volume 95 %	total lenght		total width		total height		tank height
art.-no.	Liter	Liter	ft.	mm	ft.	mm	ft.	mm	mm
KCD-ST-V0-10	12.200	11.600	10'	2.991	8'	2.438	8'	2.438	2.000
KCD-ST-V0-20	25.800	24.600	20'	6.058	8'	2.438	8'	2.438	2.000
KCD-ST-V0-20-HC	31.000	29.600	20'	6.058	8'	2.438	9'6"	2.896	2.500
KCD-ST-V0-40	53.000	50.400	40'	12.192	8'	2.438	8'	2.438	2.000
KCD-ST-V0-40-HC	63.800	60.800	40'	12.192	8'	2.438	9'6"	2.896	2.500

Technical changes reserved!

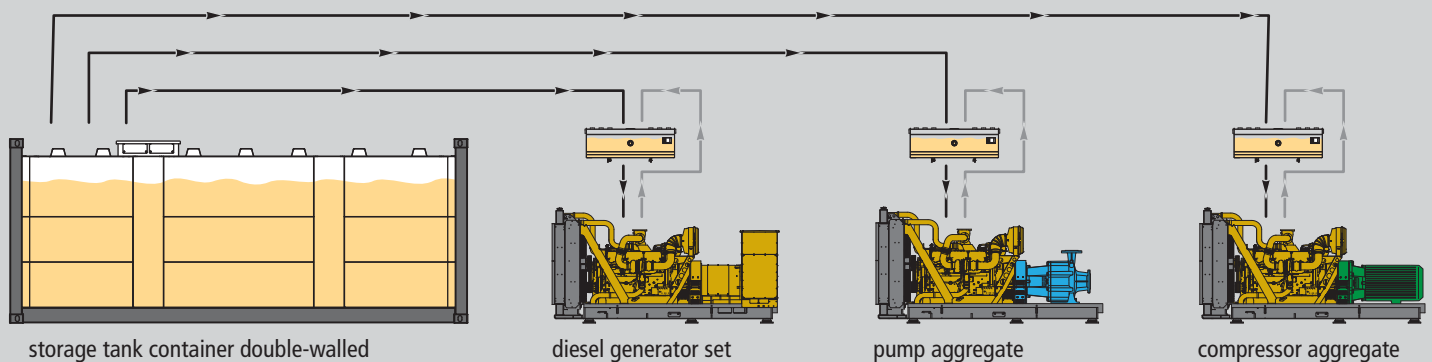
Example of use

fuel distribution in continuous running duty by means of storage tank container

The Minotaur® storage tank container type double-walled allows constant fuel distribution of the most different fuel users, like diesel-, pumps- and compressor Gen-Sets. This type series is used among other things in the oil- and gas industry, in mining or on a drilling facility.



The Gen-Set will be used over a longer period. Fuel supply is carried out by the engines own fuel pump directly from the storage tank, in this case storage tank container. The storage tank container is refuelled directly by the tank wagon.



The Gen-Set will be used over a longer period. Fuel supply is carried out by a day fuel tank which is placed on a higher level. The fuel flows under static pressure directly to the fuel injection pump of the engines.

As for this, a larger quantity of fuel is to be consumed, filling the day fuel tank is carried out by a pump-combination from a reservoir, in this case a storage tank container. The storage tank container is directly filled by the tank wagon. A controller records with sensors (level sensor) the filling level in the day fuel tank and sends signals to the switching pumps for turning the pump-combination on and off.

Technical changes reserved!

Technical data

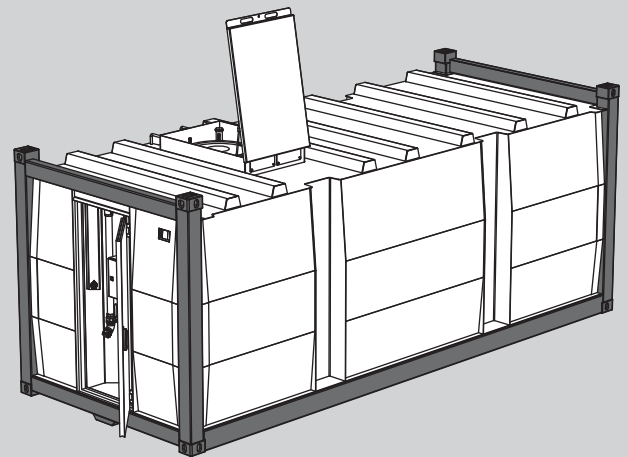
storage tank container „Solo“

This type series serves as fuel supply of Gen-Sets and:

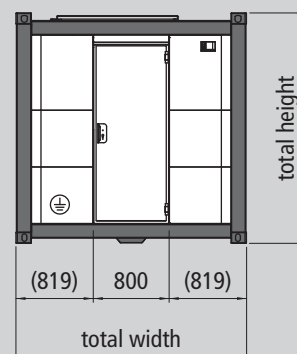
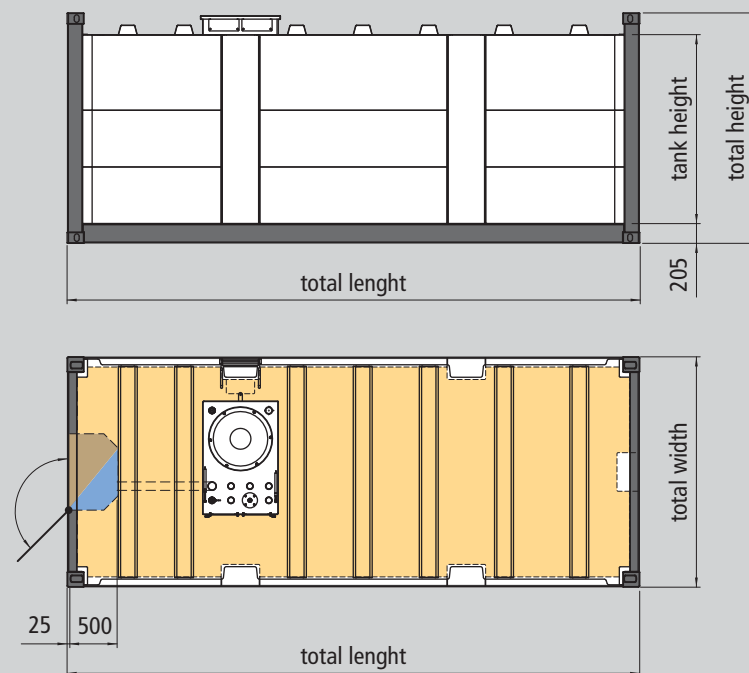
- needs for operating a connection to a power supply system,
- is designed for temperatures ranging from -5°C to +50°C,
- includes as standard a function niche front side.

Substantial integrated components:

- pipe penetration by means of hatch compartment,
- suction tube flanged with foot valve,
- mechanical level-indicator,
- level-sensor as protecting against dry running,
- vacuum leak monitor with design approval,
- filling system (without transfer pump) for filling from tank wagon,
- limiting level transmitter with design approval,
- terminal box for electrical connection,
- cable hole opening on the floor,
- single-leaf multi-purpose door.



Please note: Standard equipment can be found in the corresponding data sheet!



- load carrying system - certified transport frame
- robust, cubic, double-walled body
- function niche front side
- tank chamber - diesel

tank type	volume 100 %	volume 95 %	total length	total width	total height	tank height	weight (empty)
art.-no.	litres	litres	mm	mm	mm	mm	kg (approx.)
KCD-ST-V1-10	11.700	11.000	2.991	2.438	2.438	2.000	3.200
KCD-ST-V1-20	25.400	24.000	6.058	2.438	2.438	2.000	5.600
KCD-ST-V1-20-HC	30.400	29.000	6.058	2.438	2.896	2.500	6.200
KCD-ST-V1-40	52.600	50.000	12.192	2.438	2.438	2.000	9.400
KCD-ST-V1-40-HC	63.400	60.400	12.192	2.438	2.896	2.500	11.600

Please note: Transportation only in empty and clean condition!

Technical changes reserved!

Technical data

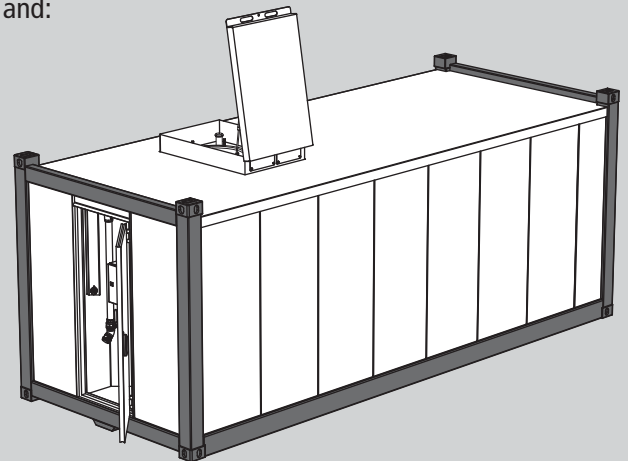
storage tank container „Solo“ thermo-insulated

This type series serves as a module for fuel supplies in battery tank farms and:

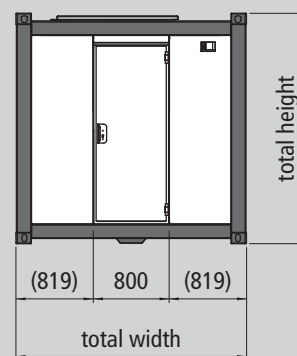
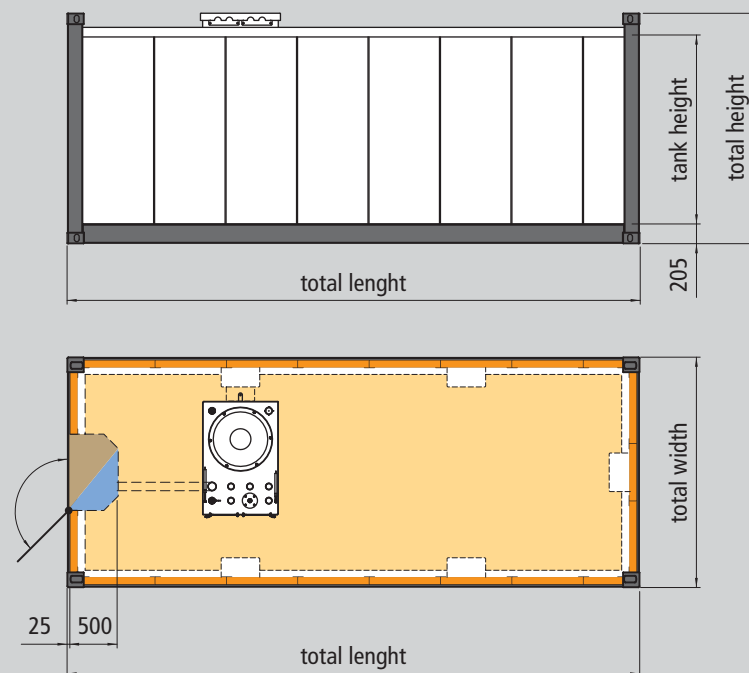
- needs for operating a connection to a power supply system,
- is designed for temperatures ranging from -25°C to +50°C,
- includes high-quality thermal insulation against condensation and danger of frost,
- includes an electrical tank heater or heating register for fluid heater,
- includes as standard a function niche front side.






Substantial integrated components:

- pipe penetration by means of hatch compartment,
- suction tube flanged with foot valve,
- mechanical level-indicator,
- level-sensor as protecting against dry running,
- vacuum leak monitor with design approval,
- filling system (without transfer pump) for filling from tank wagon,
- limiting level transmitter with design approval,
- terminal box for electrical connection,
- cable hole opening on the floor,
- single-leaf multi-purpose door.



Please note: Standard equipment can be found in the corresponding data sheet!



-  load carrying system - certified transport frame
-  robust, cubic, double-walled body
-  function niche front side
-  tank chamber - diesel
-  high-quality thermal insulation

tank type	volume 100 %	volume 95 %	total length	total width	total height	tank height	weight (empty)
art.-no.	litres	litres	mm	mm	mm	mm	kg (approx.)
KCD-ST-V1-TI-10	10.200	9.700	2.991	2.438	2.438	2.000	3.300
KCD-ST-V1-TI-20	23.000	21.900	6.058	2.438	2.438	2.000	5.800
KCD-ST-V1-TI-20-HC	27.400	26.200	6.058	2.438	2.896	2.500	6.600
KCD-ST-V1-TI-40	48.200	46.000	12.192	2.438	2.438	2.000	9.800
KCD-ST-V1-TI-40-HC	58.000	55.400	12.192	2.438	2.896	2.500	12.200

Please note: Transportation only in empty and clean condition!

Technical changes reserved!

Technical data

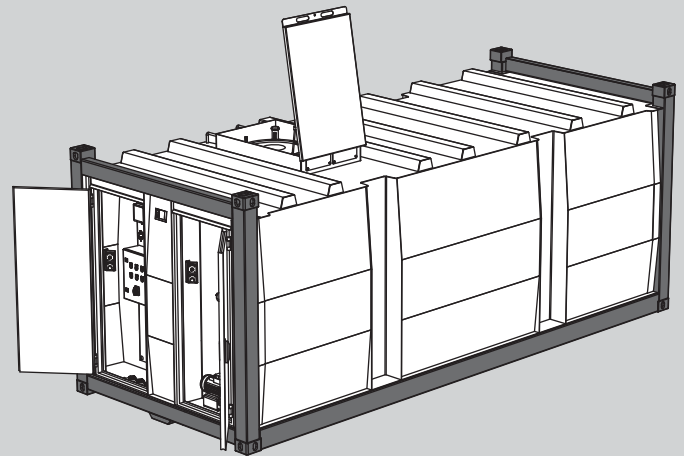
storage tank container „Komfort“

This type series serves as a module for fuel supplies of Gen-Sets and:

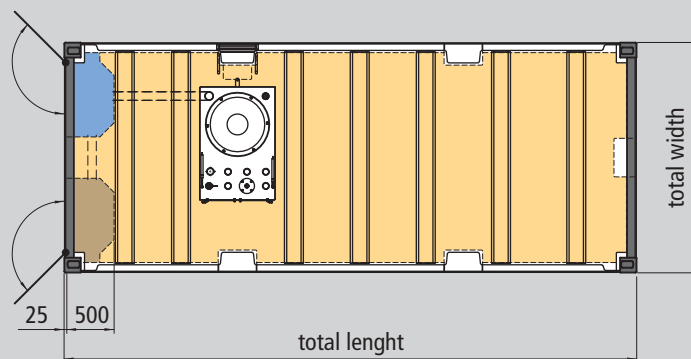
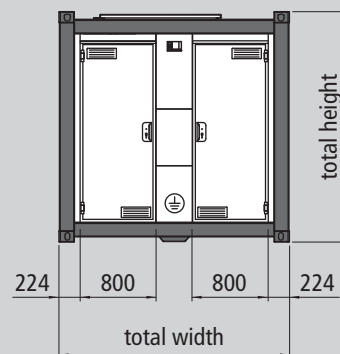
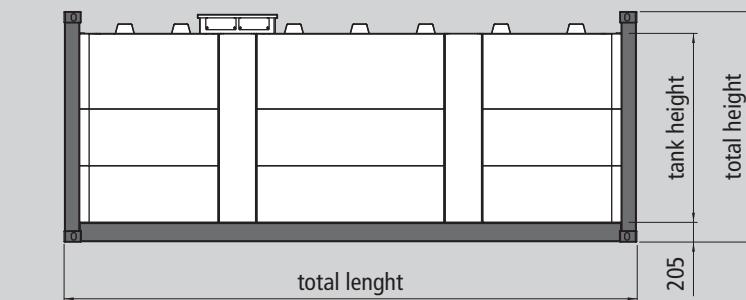
- needs for operating a connection to a power supply system,
- is designed for temperatures ranging from -5°C to +50°C,
- includes as standard two function niches:
 - electrical/ function niche front side left,
 - refuelling/ function niche front side right.

Substantial integrated components:

- pipe penetration by means of hatch compartment,
- suction tube flanged with foot valve,
- mechanical level-indicator,
- level-sensor as protecting against dry running,
- vacuum leak monitor with design approval,
- filling system with transfer pump for filling from tank wagon integrated in extra niche,
- limiting level transmitter with design approval,
- terminal box for electrical connection,
- cable hole opening on the floor,
- two single-leaf multi-purpose doors



Please note: Standard equipment can be found in the corresponding data sheet!



- load carrying system - certified transport frame
- robust, cubic, double-walled body
- tank chamber - diesel
- refuelling/ function niche
- electrical/ function niche

tank type	volume 100 %	volume 95 %	total length	total width	total height	tank height	weight (empty)
art.-no.	litres	litres	mm	mm	mm	mm	kg (approx.)
KCD-ST-V2-10	10.600	10.200	2.991	2.438	2.438	2.000	3.200
KCD-ST-V2-20	24.400	23.200	6.058	2.438	2.438	2.000	5.600
KCD-ST-V2-20-HC	29.600	28.200	6.058	2.438	2.896	2.500	6.200
KCD-ST-V2-40	51.600	49.200	12.192	2.438	2.438	2.000	9.400
KCD-ST-V2-40-HC	62.400	59.400	12.192	2.438	2.896	2.500	11.600

Please note: Transportation only in empty and clean condition!

Technical changes reserved!

Technical data

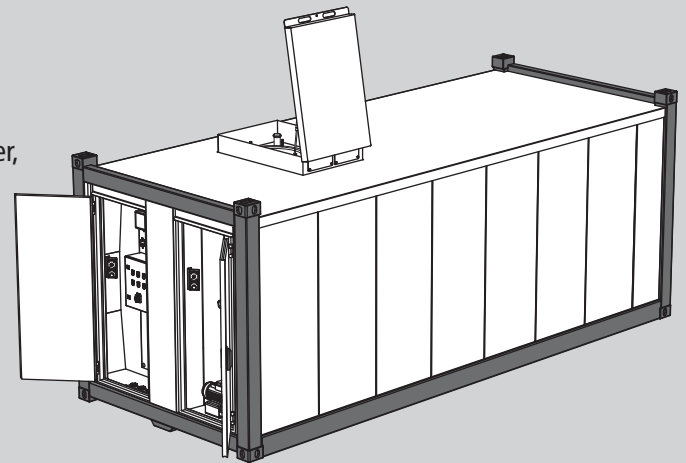
storage tank container „Komfort“ thermo-insulated

This type series serves as fuel distribution of Gen-Sets with media which must be heated and:

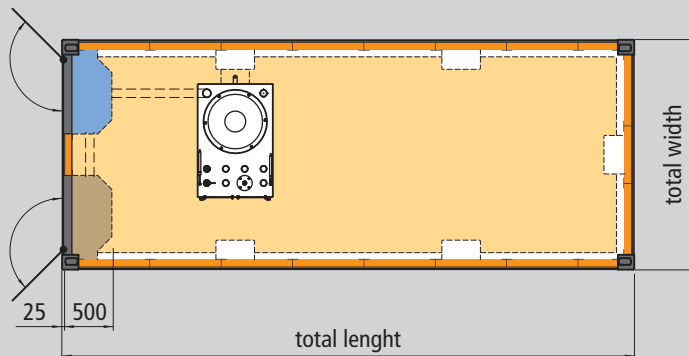
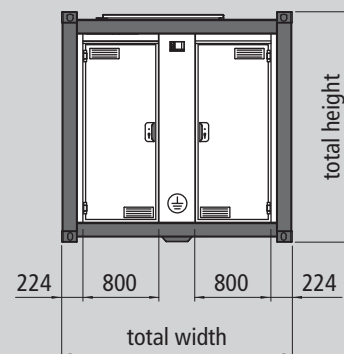
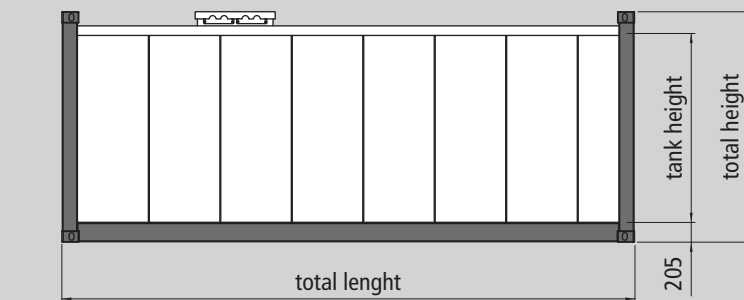
- needs for operating a connection to a power supply system,
- is designed for temperatures ranging from -25°C to +50°C,
- includes high-quality thermal insulation against condensation and danger of frost,
- includes an electrical tank heater or heating register for fluid heater,
- includes as standard two function niches:
 - electrical/ function niche front side left,
 - refuelling/ function niche front side right.

Substantial integrated components:

- pipe penetration by means of hatch compartment,
- suction tube flanged with foot valve,
- mechanical level-indicator,
- level-sensor as protecting against dry running,
- vacuum leak monitor with design approval,
- filling system with transfer pump for filling from tank wagon integrated in extra niche,
- limiting level transmitter with design approval,
- terminal box for electrical connection, cable hole opening on the floor,
- two single-leaf multi-purpose doors



Please note: Standard equipment can be found in the corresponding data sheet!



- load carrying system - certified transport frame
- robust, cubic, double-walled body
- tank chamber - diesel
- refuelling/ function niche
- electrical/ function niche
- high-quality thermal insulation

tank type	volume 100 %	volume 95 %	total lenght	total width	total height	tank height	weight (empty)
art.-no.	litres	litres	mm	mm	mm	mm	kg (approx.)
KCD-ST-V2-TI-10	9.600	9.200	2.991	2.438	2.438	2.000	3.300
KCD-ST-V2-TI-20	22.400	21.200	6.058	2.438	2.438	2.000	5.800
KCD-ST-V2-TI-20-HC	27.000	25.600	6.058	2.438	2.896	2.500	6.600
KCD-ST-V2-TI-40	47.600	45.400	12.192	2.438	2.438	2.000	9.800
KCD-ST-V2-TI-40-HC	57.600	55.000	12.192	2.438	2.896	2.500	12.200

Please note: Transportation only in empty and clean condition!

Technical changes reserved!

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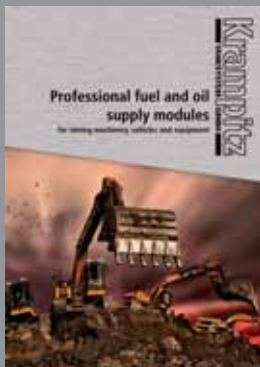
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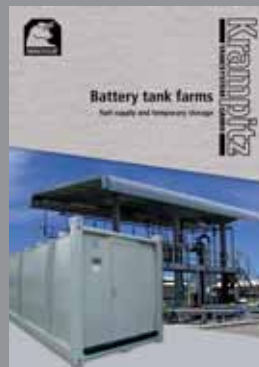
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Professional fuel and oil supply modules



Storage tank containers



Battery tank farms



Mining gas station containers



Airfield gas station



Office container



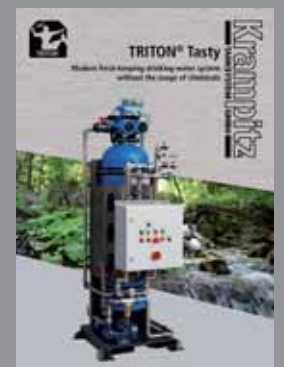
Mobile service module for on-site employment in mining



Mobile maintenance module for on-site employment in mining



KRP-5000 - Automatic fuel cleaning and treatment station for tank systems



TRITON® Tasty fresh-keeping drinking-water system

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