KCU/KCM complete gas station system
Modular system

www.krampitz.de

KCU (UNIVERSAL) – gas station container and KCM (MULTI) – gas station container

The KCU and KCM gas station results from Krampitz's many years of experience with the production of container gas stations in Germany and their assembly worldwide. Over 25 years of experience and over 1000 installations worldwide have led to this large gas station system.

No.	Art.No.	Depiction	Layout	Special Application criteria		material			design type	Usage scheme

1. KCU-ST-20-HC-1K / KCU-ST-20-HC-2K

length	6,058mm
Width	2,438mm
Total height	2,896mm

KCU-ST-20-HC-1K

petrol

Volume: 24,000 liters.

KCU-ST-20-HC-2K

diesel fuel

Volume: 12,000 liters.
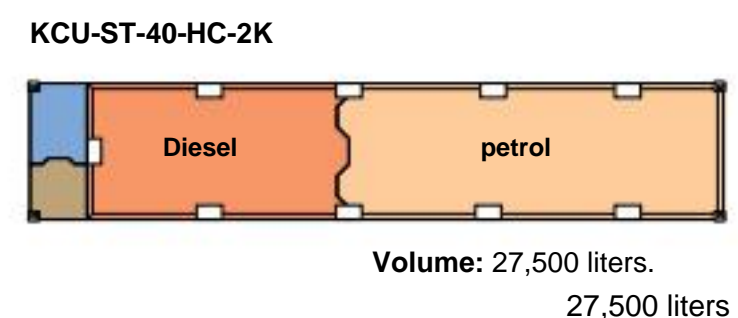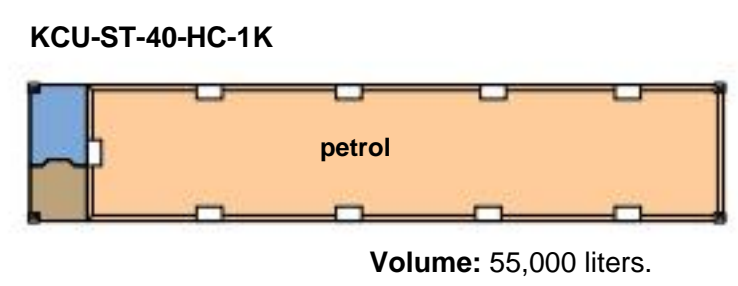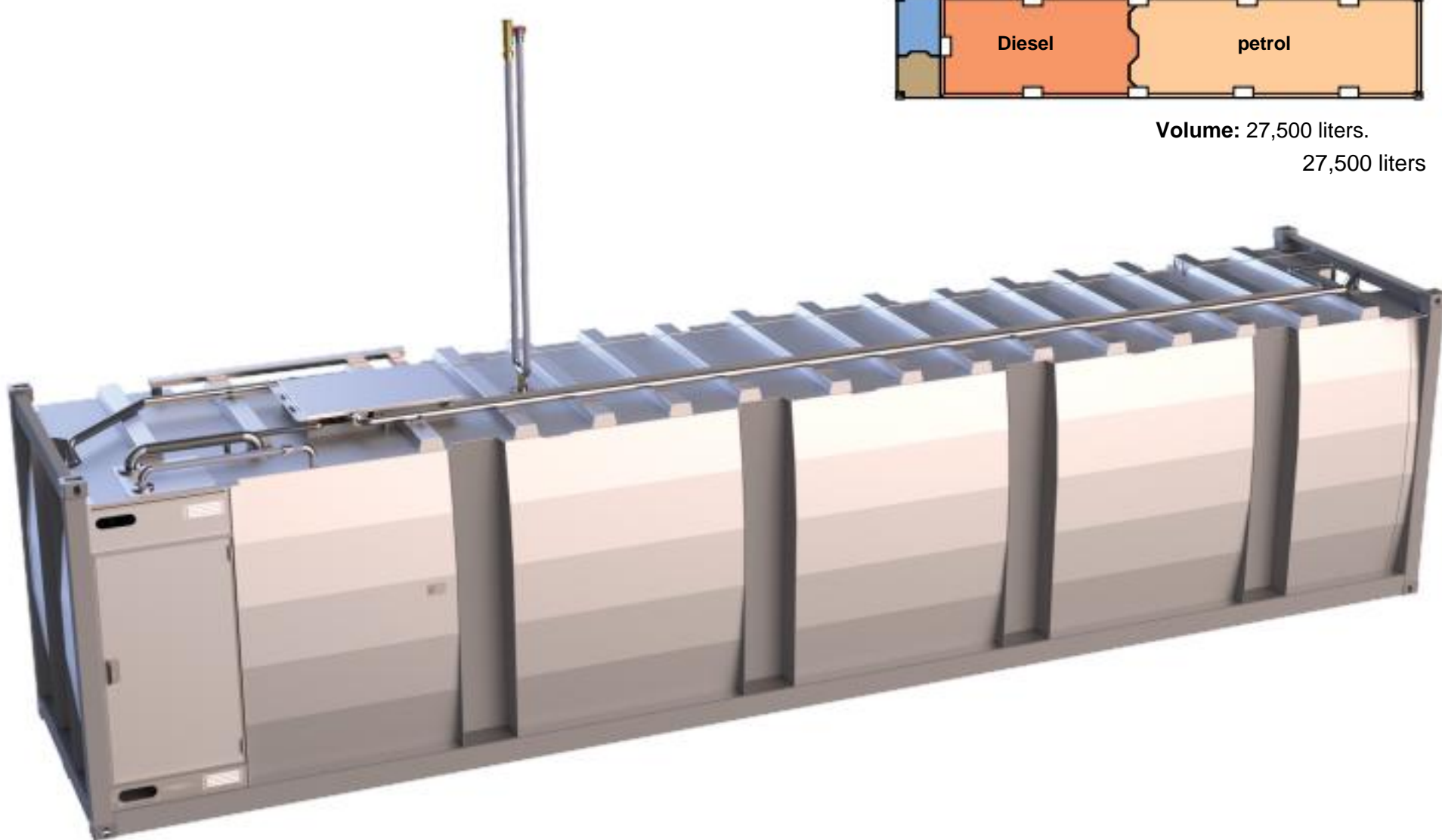12,000 liters

✓ ✗ ✗ ✓ ✗
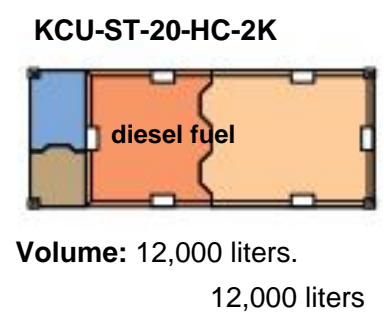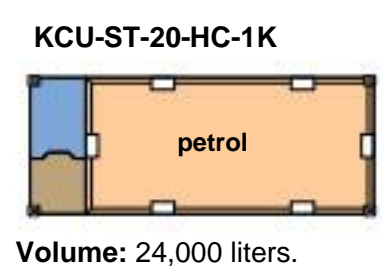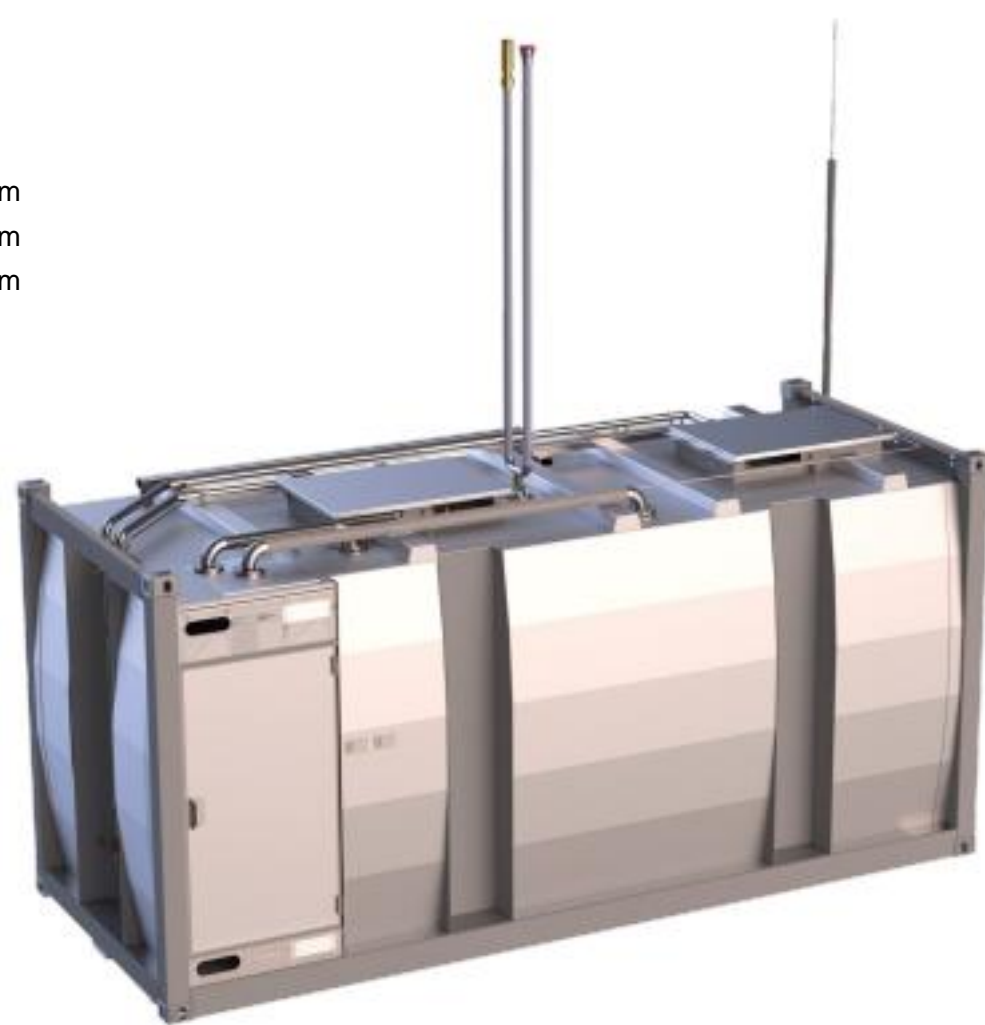
The KCU gas station consists of a central storage tank unit in a container design. This storage tank unit can be a single-chamber or dual-chamber tank. If other media are required, additional tank units are installed. Directly next to the central storage tank unit, a separate tank unit can be installed on each front side

Gas pump platform must be mounted. As an option, a separate roof module can be placed on this fuel pump unit. It covers the gas station. This roof module has been successfully tested in Norway for several years. It is statically designed for wind force 12.

KC-P-4.6-HC

Width	2438mm
Length	1,456 mm
Height	2896mm

KC-P-10-HC
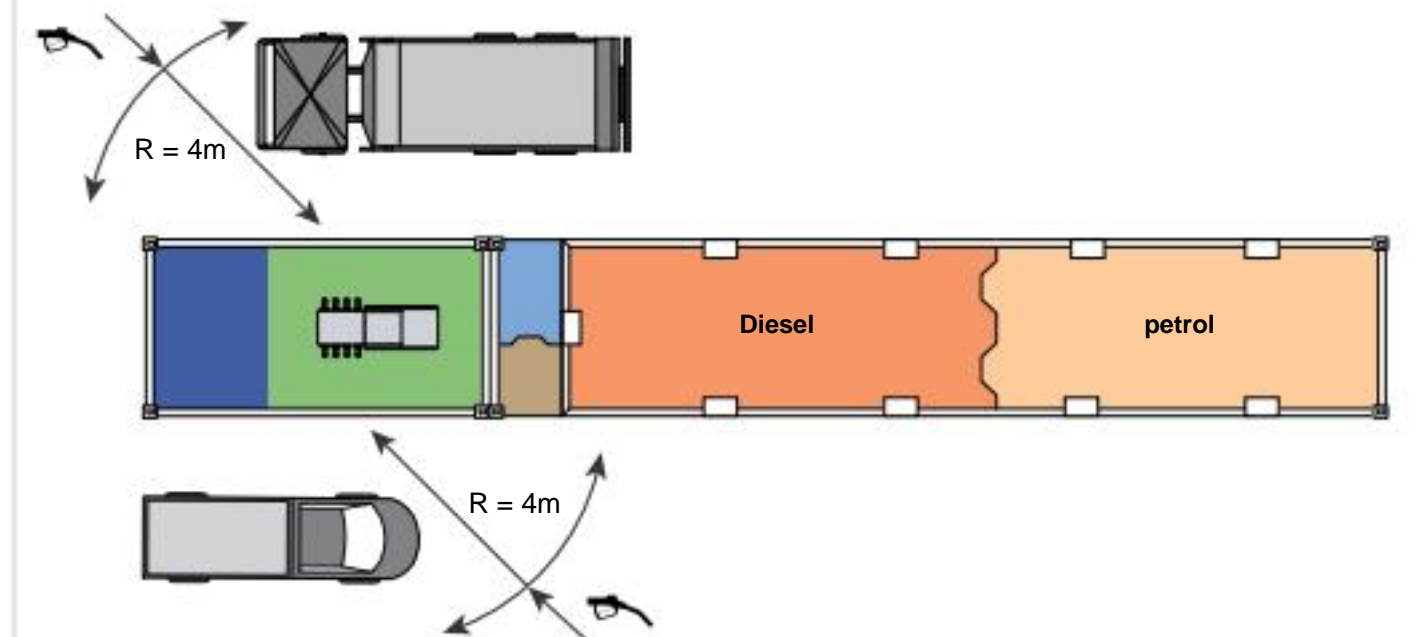
Width	2438mm
length	2991mm
Height	2896mm

KC-P (fuel pump platform)

Heavy open CSC container frame made of steel with a welded-in floor assembly, a collecting tray and inserted light grids as well as a welded-in tank roof. This platform is for recording and

Weather protection of the fuel pump unit. A centrally located protective channel is used to accommodate the fuel pump as well as the protected installation of pipes and supply and signal cables.
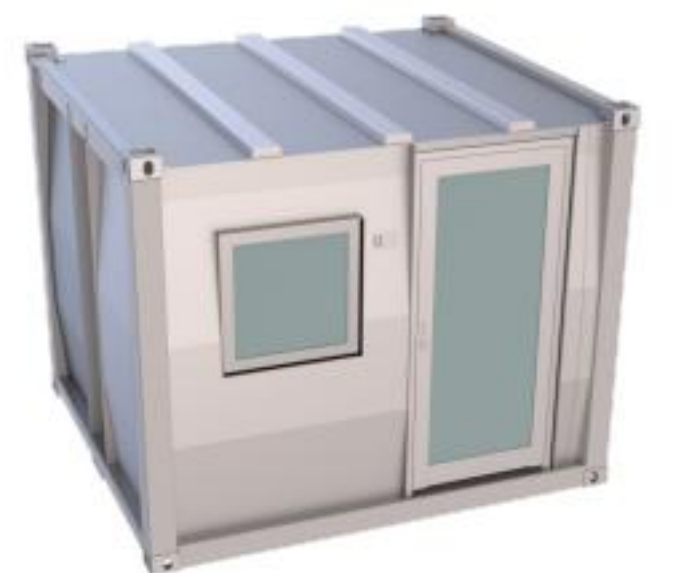
*No approval required

R = 4m

Diesel petrol

R = 4m

2. KCU-ST-40-HC-1K / KCU-ST-40-HC-2K

length	12,192mm
Width	2,438mm
Total height	2,896mm

KCU-ST-40-HC-1K

petrol

Volume: 55,000 liters.

KCU-ST-40-HC-2K

Diesel petrol

Volume: 27,500 liters.
27,500 liters

✓ ✗ ✗ ✓ ✗

KC-O (Office)

KC-O-10
KC-O-20
KC-O-40
KC-O-XL

The office unit is used to install a larger back office. Normally the standard station computer is positioned in the electronics of the KCU, KCM or KCC container (unmanned systems). This back office container is ideal for more convenient installations with operating personnel. It consists of a single-walled welded steel body in a CSC container frame. The walls, floor and roof are thermally insulated. Air conditioning is an option.

The access door and optional windows are double-walled with aluminum sun protection glazing. The back office container is usually 10 ft. tall.

*No approval required

Diesel petrol urea

KC-S (Shop)

The shop unit serves to supply the gas station public with drinks and food. The container consists of a single-walled welded steel body in a CSC container frame. The walls, floor and roof are thermally insulated. Air conditioning is an option. The access doors and windows are

Double-walled with aluminum sun protection glazing. The shop containers are usually designed as 20 ft HC and 40 ft HC variants. They are sales rooms for your own staff or offer space for vending machines. An integrated cafeteria is also an option.

*No approval required

KC-S-10
KC-S-20
KC-S-40
KC-S-XL

In order to take on the function of a large gas station (even in no man's land), additional special containers are part of the program.

1. The office unit for installing the back office - optionally with air conditioning.
2. The shop unit for supplying the gas station public with drinks and food as well as optionally with a small cafeteria - also with air conditioning.
3. The toilet unit with toilets and sinks.
4. The fresh water unit consisting of fresh water sertank with thermal insulation, UV disinfection system and fresh water pump with pressure maintenance.
5. The wastewater unit consisting of wastewater tank and vacuum suction system.
6. Auxiliary tanks for providing additional fuels, engine oils, service water and urea.
7. Engine room unit to accommodate diesel generator, compressor and high pressure cleaner.

Areas of application of the KCU system:
a) remote areas, interstate roads, Highways, large towns

KC-O-10ft./20ft./40ft.

Additional equipment such as the price display on the container roof (option), the electronic advertising boards in the roof module (option) and the light poles on the corner posts of the container frame round off the complete program.

Krampitz TANKSYSTEM GMBH ®

Art.No.	Depiction	Layout		Special Application criteria	material	design type	Usage scheme

**3. KCM-402
KCM-403
KCM-404**

Length 12,192 mm
Width 2,438 mm
Total height 2,896 mm
Volume 95% 34,700 liters

The KCM gas station consists of a central gas station module in which two tank units are installed on the right and left in the container frame, as well as a fixed gas pump platform between these tanks. This means that the petrol section and the diesel section are cleanly separated. Since the respective gasoline and diesel transfer niches are located on one side, both tank chambers can be filled at the same time by the tanker. These KCM units are available as two-chamber and three-chamber units. These units are very easy to assemble. As an option, a separate roof module can be mounted in the area of the fuel pump section. Please note when ordering – retrofitting is not possible. This roof module has been successfully tested in Norway for several years. It is statically designed for wind force 12.

KCM-402

KCM-403

KCM-404

In order to take on the function of a large gas station (even in no-man's land), additional special containers are part of the program.

1. The office unit for installing the back office - optionally with air conditioning.
2. The shop unit for supplying the gas station public with drinks and food as well as optionally with a small cafeteria - also with air conditioning.
3. The toilet unit with toilets and sinks.

4. The fresh water unit consisting of fresh water
   sertank with thermal insulation, UV disinfection system and fresh water pump with pressure maintenance.
5. The wastewater unit consisting of wastewater tank and Vacuum extraction system.
6. Auxiliary tanks for providing additional fuels, engine oils, service water and urea.
7. Engine room unit to accommodate diesel generator, compressor and high pressure cleaner.

Areas of application of the KCM system:
a) undeveloped regions, intercity roads, automobile railways, large towns
b) temporary installations such as large construction sites, Mining mines, camps

Additional equipment such as the price display on the container roof (option), the electronic advertising boards in the roof module (option) and the light poles on the corner posts of the container frame round off the complete program.

4. Gas pump types

Complete petrol station module for professional use with a two-sided open petrol pump section (multi) separate petrol section, thus cleanly separating the hazardous area from the rest of the station. Since both functional niches are on one side, it is possible to fill the diesel and gasoline chambers with a tanker at the same time.

Equipped with CSC container frames for international transport by ship, rail and road.

One, two, three and four chamber versions.

5. KC-DM (ROOF MODULE)

The roof module is used to cover the filling station at the gas station container. It offers a clearance height of 4,500 mm and provides protection from sun, rain and snow. The supporting frame consists of an open container frame that supports the roof structure. The support frame with roof construction is secured to the fuel pump platform (KCU system) or on the using twistlocks.

Gas station container (KCM system) placed. It can be equipped with the KC-AB billboard system. The roof module is equipped with a surrounding parapet.
It can also be used for advertising purposes. Integrated gutters with rainwater downpipes allow controlled rainwater drainage.

This roof module has been used successfully in Norway for several years. It is statically designed for wind force 12.

KC-AB 2×2

Advertising

Electronic advertising board, approximately dimensions 2000 x 2000 x 200. LED illuminated advertising space with plexiglass cover for sticking advertising films. The advertising films can be installed on both sides of the roof module.

KC-PT4/2

KRAMPITZ
Diesel
Super E10
Super

Price display for mounting on the tank roof with stand and two-sided displays. Variants with two, three and four media are offered. The price change takes place via an integrated radio module. The numbers are displayed in red.

KC-LM

Light pole. The light poles are equipped with LED spotlights. These are used for filling station illumination. A light pole can be installed on each side stand of the CSC container frame. The light poles are also equipped with mounts for electronic cameras. All components are designed to be stormproof.

Legend:

media		Electronic niche		Gas pump platform		Office/shop	
		Filling niche		Additional Adblue tank		Space module	

notation	Soil zone 1 (EBZ 1)	Soil zone 2+3 (EBZ 2+3)		urea		general	
usable	✓	✓		✓		✓	
not usable	✗	✗		✗		✗	

KC-TO (toilet)

The toilet unit is equipped with toilets and sinks. This container consists of a single-wall welded steel body in a CSC container frame. The walls, floor and roof are thermally insulated. A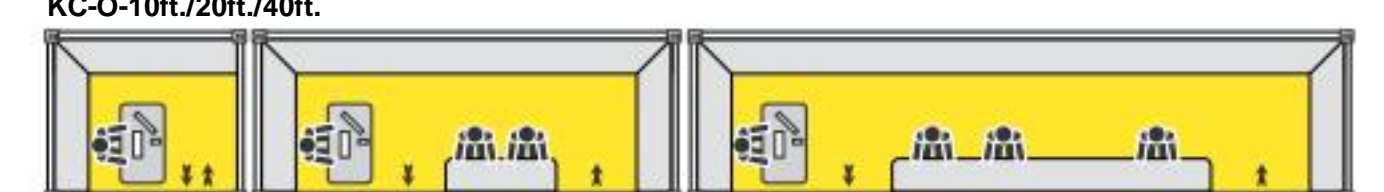ir conditioning is an option. The access doors and the installed windows are double-walled with aluminum solar protection glazing.

The toilet containers are usually produced in a 20 ft. HC design. The toilet container is either connected to the existing drinking water and wastewater pipes or it works as a self-sufficient system together with the KC-FW fresh water unit and the KC-WW wastewater unit. The interior walls of the toilet container are equipped with ceramic tiles and the floor with PVC covering. The toilet bowls, urinals and sinks are made of ceramic.

*No approval required

20ft. Toilet

Toilet | Toilet

Special Application criteria			material		design type	Usage scheme
✓	✗	✗	✓	✓		

KC-WW

The wastewater unit is used for the temporary storage of toilet wastewater if there is no wastewater network on site. This container consists of a single-walled steel tank, which is embedded in a CSC container frame. This steel tank has a wastewater-resistant inner coating on the inside.
This unit is thermally insulated from the outside. In a laterally integrated transfer niche there is a vacuum extraction unit, which sucks from the toilet container and pumps it into the waste water tank. The 3" suction nozzle for the tanker is located in a second niche. The system is monitored by control technology.
*No approval required

✓	✗	✗	✓	✓		

KC-WW

KC-FW

KC-FW

The fresh water unit is used for the temporary storage of fresh water to supply the toilet container if there is no fresh water available on site. This container consists of a single-walled steel tank (optionally stainless steel), which is embedded in a CSC container frame. The steel version of the fresh water tank is provided with an internal coating that is fresh water-resistant. From the outside the entrance is

heat-insulated. The fresh water pump with UV disinfection system, fine dust filter and pressure maintenance station is located in a niche on the side.
The tank truck filling cap with an optional transfer pump for filling the fresh water tank with tank trucks is located in a second niche on the side. This unit also has level sensors, central control and electrical lighting.

*No approval required

KC-ST (tank module)

The additional unit is used to expand a container filling station to dispense urea, motor oils, window cleaners and other special fuels.
This container consists of a double-walled steel tank, which is welded into a CSC container frame. Depending on the medium, the inner tank is coated or unfinished. External thermal insulation can also be selected depending on the medium. In the side of the unit there is a niche with a dispensing unit or a connection for the tank truck to fill the tank. This tank can also be connected directly to the petrol pump at the container filling station.

KC-ST-4.6-Z
KC-ST-6_6-Z
KC-ST-10-Z

KC-ST-4.6-Z-TI
KC-ST-6_6-Z-TI
KC-ST-10-Z-TI

✓	✗	✓	✓	✓		

KC-ST | **KCU** | **KC-O/S**

KC-MA

KC-MA (engine room)

The engine room unit provides weatherproof accommodation for the optional diesel generator, compressor and high-pressure cleaner. This container consists of a single-walled welded steel body, which is fitted into a CSC container frame. There is an access door made of sheet steel in the side wall, supply and exhaust air openings as well as thermal insulation or sound insulation are possible. The welded steel base is designed as an oil collecting pan. This container is therefore also suitable as a storage space for oils, fats in small containers or other technical equipment.

KC-MA-4.6-HC
KC-MA-6.6-HC
KC-MA-10-HC

✓	✗	✗	✓	✓		

*No approval required

KC-MA | **KCU** | **KC-O/S**