

Scope of delivery

Pricing is based upon delivery of one Container. If more than 3 Containers are required, please specify quantity. Pricing will be reduced depending on total quantity and units per lot.

Pricing is done for a container as described below. There are several options to be chosen by customer according to actual requirements. Please ask in detail for options.

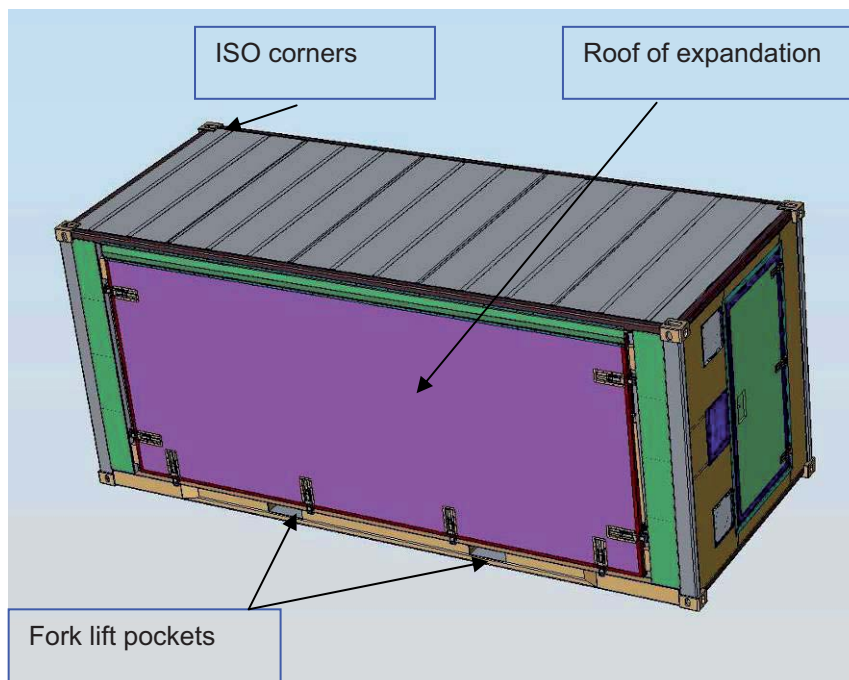
3-in-1 container

The 3-in-1 containers are working in two modes:

- Transport mode
- Operating mode

Transport mode

In transport mode the container is folded so it has the outer dimensions of an ISO 1CC container, 20ft length, 8ft width and 8,6ft height. The container has got 8 corners according to ISO 1161 and ISO 668. This makes it possible to transport the container with all common means of transportation of container. Forklift pockets are foreseen to handle the container with fork lift trucks. All dimensions are in accordance with ISO 1496.





A width of minimum 1600mm is reached between inner wall elements at total length. All expansion elements are to be folded away. That means that the floor in transport mode is plain and has no steps to the expansion parts of the container. Heavy equipment stored in the middle of the container in transport mode can easily be pulled or pushed to the expansion area in operating mode without lifting.

Internal space in transport mode is maximized to transport all equipment in the shelter to reduce physical strain of personnel and to shorten build up time.

Storage volume is about 12m³

Storage capacity is about 8.400 kg

Operation mode

In operation mode the 3-in-1 container is folded to its maximum dimensions. At first the roof of the extensions braces supported by gas springs. Then the floor of the extension is opened and pulled down. Gas springs lower the weight to be held by personnel to a minimum. Then the side wall element is pulled out and adjusted. The last step is to swing out the frontal wall elements. After adjusting all elements the container is ready in operation mode.

In operation mode internal floor space increases to more than 32m² (including technical compartment).

The roof of the extensions is slightly beveled to drain off the rain. The angle is about 1 degree to the distal end of the container. The roof of the expansions offer projecting stands on all sides to make rain not directly reaching windows.



Changing from transport mode to operation mode

We like to show you the unfolding of the container with a few pictures taken on our site. The container is loaded onto a trailer.



Things to know

The container possesses an unrestricted CSC approval. It can be stacked 9 high.

The whole container is made in Germany.

Windows are made of insulation glass.

At least one door wing of each entrance is outfitted with a window.

Windows in outer walls (in transport mode) are protected by steel hatches.

There are one intake and one outtake for a mobile external air condition unit like a Dantherm AC-M 7 or a Zhendre CTZ6H55. The A/C-system runs in recirculated-air operation.

Additional ventilators are used for fresh air intake. In negative pressure mode ventilators are used for air outtake via filter elements.

Wall element material

To create stiff walls being able to convey forces and bending moments caused by equipment and personnel situated in the extensions of the container Drehtainer uses several composite materials. Depending on loads and breakouts caused by hatches and windows composites of different materials are used and stiffened by inlays of Aluminum or stainless steel. Sandwich element surfaces are made of steel inside and outside. Total sandwich thickness is app. 50mm.

Walls are coated in RAL colors according to customers' requirements. Color needs to be specified. As an option multi color coating can be ordered. Customer writing and emblems can be ordered optionally as label.

COATING and Conservation

Containers are sandblasted, coated with primer and than coated in RAL colors.

Interior surfaces are made of coated steel. Color is standard RAL (for example white / light grey).

Hollow corps are anti corrosion protected. Closed profiles are avoided whenever possible to avoid water

standing in them and humidity being not able to vanish into atmosphere.

Wooden parts of the floors of the container are protected against insects and molding by coating and using standard commercial vehicle wood composites already tested and approved.

All coatings and corrosion protections are high quality products and carried out under control of DREHTAINER quality management. Suppliers of raw material and components are subjected to supervision of DREHTAINER quality management.

Interior

The interior outfitting includes:

- Illumination with TRILUX series 333 type lamps (on the extensions with magnets)
- Electrical installation
- Air conditioning intake adapter and textile air hose of 5m for cold air distribution mounted with magnets to the ceiling. Hose leads lengthwise.
- Water supply connectors on all small extension walls
- Water disposal connectors on all small extension walls
- Basic electric installation
- DIN-medical profiles in extensions
- Central roof mounted supply profile for electrical power and gas supply mounted in the parent container
- Integrated base plate for operation lamps in the all containers for DREHTAINER modified Dr. Mach operation lamps (other types if defined by customer)
- Covered fixation rails in roof and floor for material fixation

Illumination

There are 8 fluorescent tubes installed to give sufficient light to all areas of the container. Tubes can be switched from the entrance area.

4 lamps are fixed within the parent container, 4 can be mounted to the extension roofs by magnets and connected to the central power supply profile.

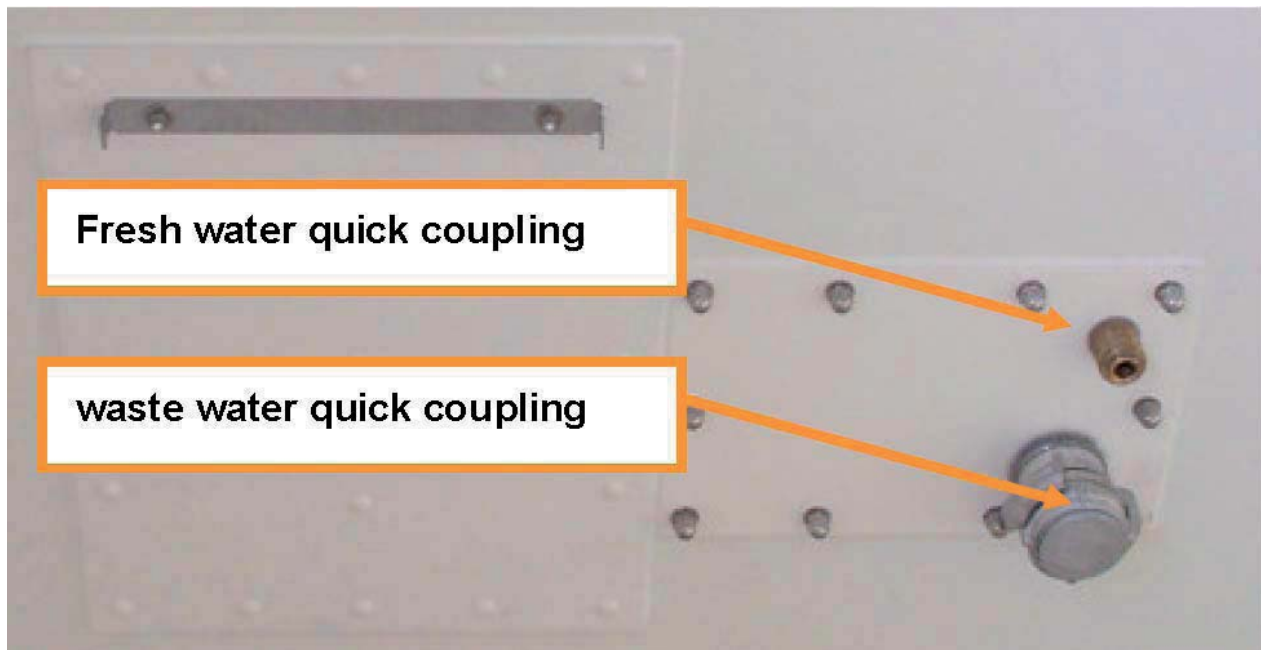
Basic electrical installation

The basic electrical installation consists of:

- External connection panel on the frontal element of the parent container
- External connection panel cover
- Inlet CEE 380/400V 3p 32A type
- Fuse box
- Junction box
- Cables exposed mounted within cable duct
- Cable ducts to parent container roof (for illumination)
- Equipotential bonding of all metal elements to ground of external grid
- 8 x app. 50W Tube lights in parent container
- 4 x electrical heater on the frontal wall elements
- 6 x outlet 240V exposed outlets in niches of parent container
- 4 x further outlets on the central power supply profile

Water supply and disposal

Water supply and disposal connectors are positioned to all 4 corners on the extensions. The washing table can be connected to these elements via a hose package with quick couplings. Water supply has to be established externally.



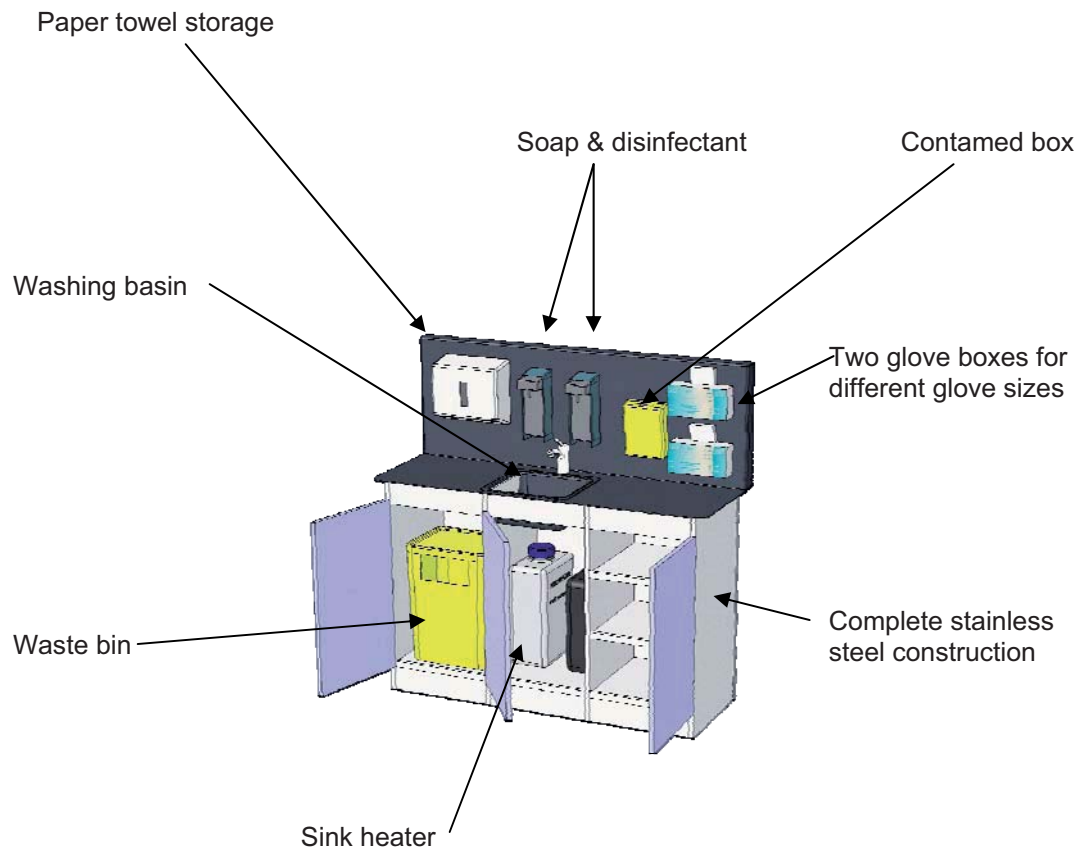
Exterior view:



Hygienic module „DREHTAINER“

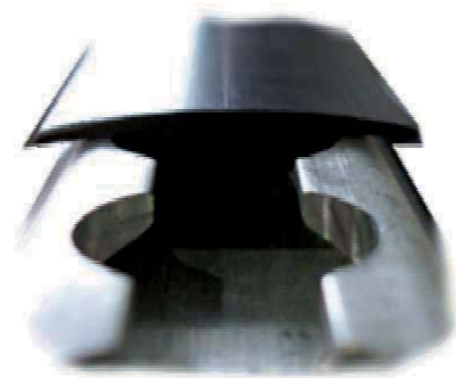
The washing table „DREHTAINER“ is a complete hygienic module of stainless steel. It is completely disinfectable and is designed for use in first aid stations, emergency rooms and medical doctor stations. It can be supported by external water supply. A sink heater enables hot water supply. The module combines a water basin with a water tap activated by a sensor within the tap, dispenser for soap and disinfectant, holder for medical glove boxes, “contamed” boxes for syringes and other contaminated or sharp disposals, waste bin and storage capacity for material.

The table can be adapted to the water distribution system of the container and to the electrical system.

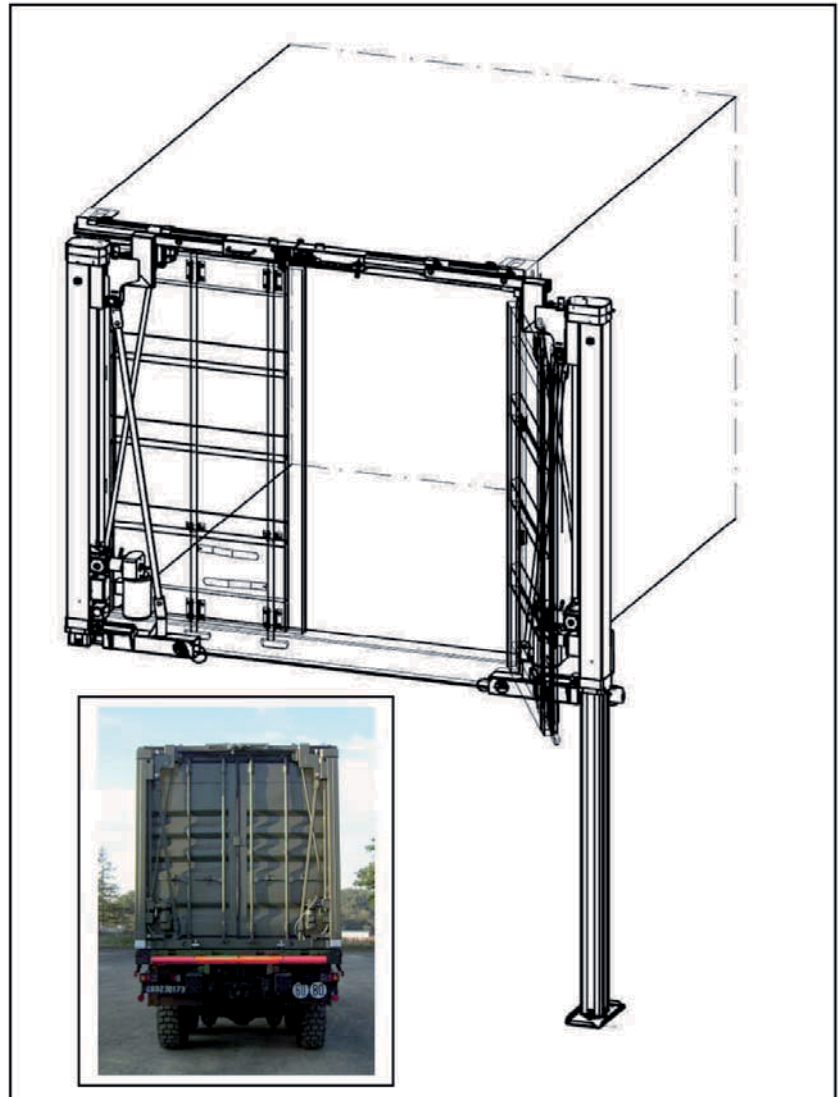


Specification of further included components

- 3-in-1 base container
- basic electrical installation
- 2 Windows on each lateral side of the extensions or 1 double wing door (reduced height!)
- 1 double wing door (1200mm width) on each frontal wall element of the parent container
- electrical inlet box
- CSC approval of “ Germanischer Lloyd”
- documentation in English or German
- 1 x Pictured spare part handbook
- 1 x Manual for users
- 1 x Manual for maintenance teams
- all paper manuals on CD
- floor surface:
 - anti static
 - anti slip
 - approved for medical use
 - disinfectable
 - easy to clean
 - completely sealed and with radius towards all walls
 - integrated fixing tracks with cover
 - standard color: bright terra cotta with optical structure (see below)



Levelling supports



4 Container supports to be mounted into the corner castings of the container. Carrying capacity of 10 tons, lifting height of up to 1700mm. Swivel booms with fixations at 0°, 90° and 155°. German quality product, safety level IP 54, max. wind speed in highest position: 20m/s, temperature range: -32°C - +49°C.

We recommend this non integrated system, because:

- Integration causes new design of the container
- These supports can be used for other containers, too
- Easy access to all components in case of repairs and maintenance

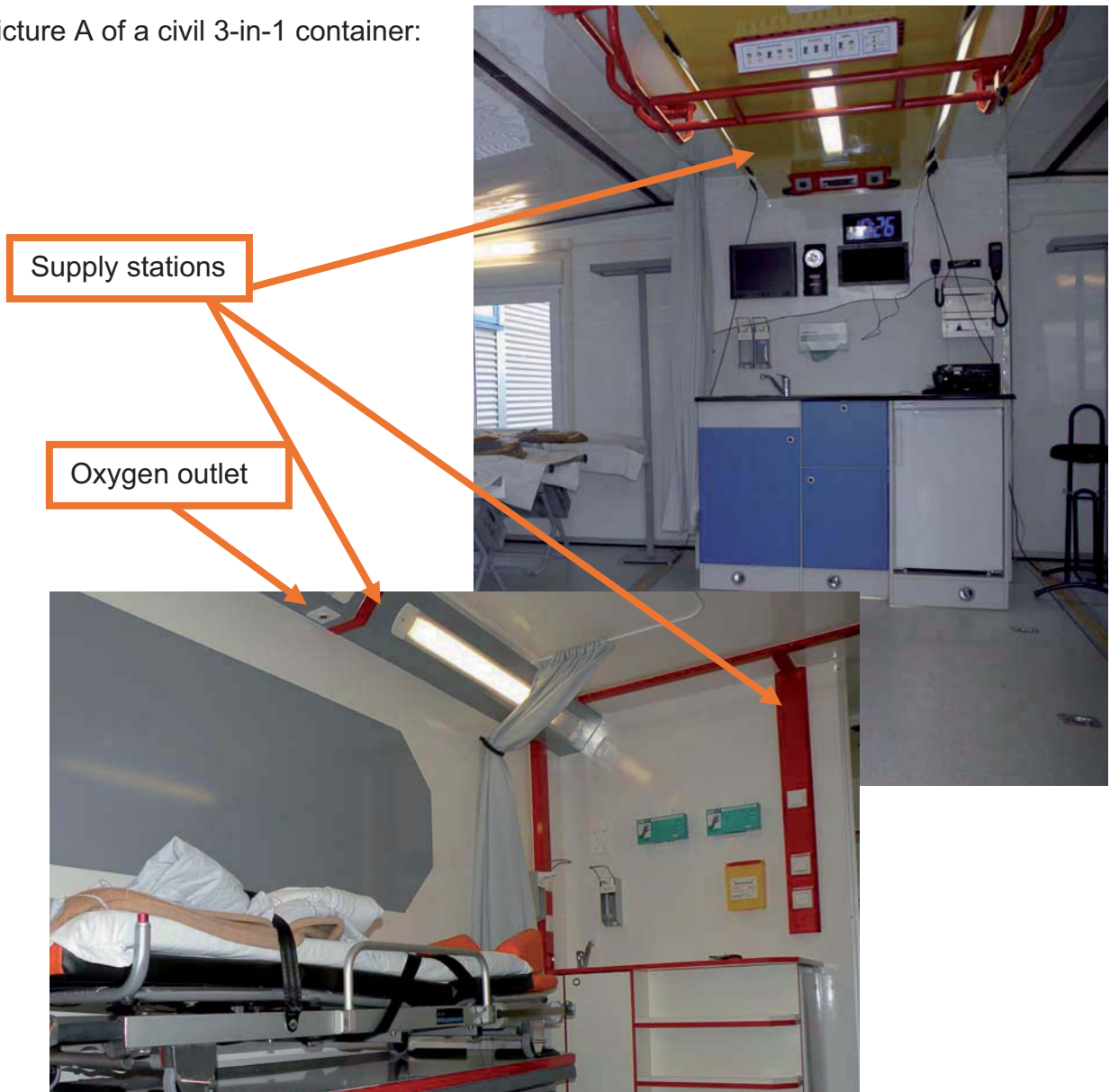


Roof mounted supply station

The roof mounted supply station is a metal covered system with exits for oxygen, compressed air and vacuum. These media can be connected from external supply station via quick connectors in a connection panel (covered for transport), or from bottles within the container (except vacuum). Air and oxygen cylinders are positioned close to the doors and are transport secured to 10g acceleration. The oxygen distribution system will be approved according to EN 1789.

Drehtainer has developed and executed different styles of roof mounted supply systems shown below. For your container we calculated with some type close to picture "A".

Picture A of a civil 3-in-1 container:





Supply station



External connectors

Trailer



Drehtainer uses Trailer developed by Obermaier and Drehtainer and completely made in Germany. The trailer possess twist lock container locks for standard 20ft containers. So if required any other container can be transported by these trailers.

Additionally the trailer possesses a platform behind the container with stairs on the right hand side to be pulled out and if required a ramp on the back side of the trailer for easy access with stretchers and hospital beds on rolls.

Supported by 4 manual supports the trailer can easily be leveled. Each support can lift up 10 tons. This is much more than the container weights but eases the handling.

If required a small platform on the front side of the trailer eases access to the technical compartment.

The trailer is completely galvanized and possesses air suspension. This feature enables transporting even x—ray systems and anesthesia machines in rough terrain. It is also possible to lower the trailer about 10cm to ease the patient entry. The entry height is then about 80cm.

The trailer is equipped with:

- ABS (anti lock breaking system)
- Air suspension
- Manual lowering and lifting valve for air suspension
- Compressed air powered breaks
- 24V and 12V connectors to the truck
- Aluminum platform at the back side of the trailer
- Stairs on the right hand side of the platform
- Aluminum hand rail around platform
- All illumination units required according to German vehicle regulations and laws
- 4 supports each 10to
- Road safety compliance certificate of an external authority (TÜV, DEKRA,...)

Optional ramp:

- Aluminum ramp of two parts
- 3m to be stored below the container within the trailers longitudinal beams
- 2m being stored onto the platform





Interior view without complete equipment



Fresh air intake or outtake

