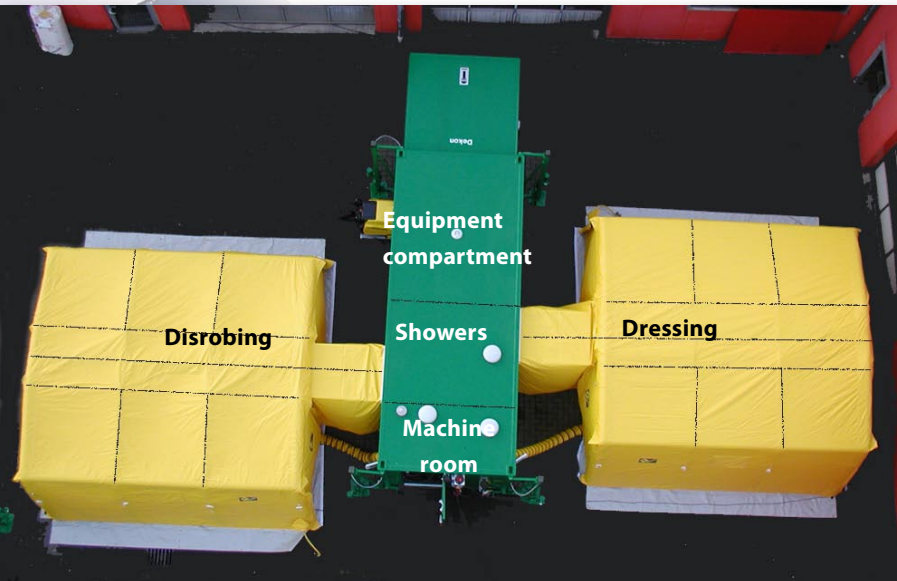


Ro/Ro-Container-Decon

...worldwide for fire and rescue!



For the decon of persons and devices

The container-decontamination can be manufactured as Ro-Ro-Container acc. to DIN 14505, ISO-container acc. to ISO 668 or in combination of both instructions. It acts for the decontamination of persons after accidents with dangerous substances and goods, terroristic attacks with warfare agents resp. after the application of such substances in the case of war. The Ro-Ro-Container Decon can also be used as mobile shower installation at disaster (e. g. flood). It can also be used for the decontamination of devices due to its extensive loading.

With the design of the Ro-Ro-Container-Decon it has been attached great importance to fastest operational readiness with simultaneously slightest manpower requirements. Normally, the decontamination of persons must take place in best time because otherwise, the contaminant could already be absorbed by the skin. Therefore it is necessary that the Decon-installation can be put on stream fast and uncomplicated. For these purposes the whole technique is already installed ready for operation inside the Ro-Ro-Container-Decon (e. g. pump, hot water generator, proportioning systems, tent heatings, power supply). By the operable assembly of the decon-installation, an operation of the Ro-Ro-Container-Decon is possibly within 10 minutes, after arriving the operation site, with 4-6 man operating staff.



The Ro-Ro-Container's design is structured into 4 areas:

- Equipment room for taking up the loading
- Shower section
- Machine room
- Shower cabin for the rough decontamination resp. decon of injureds



The decon-container fulfils the following tasks:

- Decontamination of operation staff with a full protection (capacity: approx. 15 persons/hour): rough cleaning of the protective suits with the Gimaex-Schmitz-foam decontamination so that a riskless disrobing is possible.
- Decontamination of persons
capacity: approx. 30 persons/hour Version I
approx. 190 persons/hour Version II
 - dressing and disrobing, separated acc. to sexes in tents
 - showers separated acc. to sexes, with warm water and/or decontamination additives
- Decontamination of injureds with warm water and/or decontamination additives
- Decontamination of equipment with the Gimaex-Schmitz -foam decontamination

The design of the decon-container has the following advantages:

- very fast operational readiness because of largely preloaded components
- autarkic operation for a period of approx. 8 h (except for the supply of water)
- collecting the contaminated waste water
- heating of the tents with preloaded heater

- providing of protective clothes for the decon-assistants
- lighting of the operation site

PROMIX - foam-decon-system

In the front there is the equipment room for taking up the loading (generator, hoses, protective equipment, etc.).



Shower section

The shower section is installed in the middle of the container.

Version 1

- 2 shower cabins

Dressing- a. disrobing room in the Ro-Ro-Container

Version 2

- as described below

This consists of 2 shower routes (which are arranged across to the driving direction) with 3 showers each. Every shower has 2 hand held showers, one for the decon-solution and one for clear water. In every shower route, there is a suitable damp location lighting. The walls and the floor are completely made of stainless steel. In the floor area there is a central drain each, which will be drained by a waste water pump. The floor is covered with non-slip, removable rubber mats.

In the middle between the shower routes a dividing wall is installed. This area will be closed by flaps (upper- and lower wall) on both sides. Ther person's dressing and disrobing will be made in inflatable fast operation tents, which will be fixed at the entrance resp. exit of the shower route by a lock.



The double wall tents (for better insulation) are separated into 4 changing cubicles (separated acc. to sexes) and 1 way each. (see drawing of version 2)



Fast operation tent

Machine room

Connected to the shower cell, the machine room follows. There, the whole water- and decon technique is installed ready for operation.



The machine room is equipped with:

- Diesel-driven hot water generator with a capacity of approx. 2.800 l/h at 30° heating, 100 l diesel tank
- Thermostatic valve for the 2 shower routes and the rear-sided shower cabin
- Electrically pressure increase pump
- Electrically waste water pump
- Additive-proportioner
- Power input, power distribution, control panel
- 2 tent heatings
- Fresh- and waste water connection, power input, etc.

Pre-decontamination

In the container's rear, there is a foldable shower cabin for the pre- resp. injured decontamination. This cabin will be closed by the foldable rear flap that reaches over the whole rear. After the opening of this flap, the stainless steel shower base can be folded out. The sides will be closed by shower curtains that can be hung up. At the rear panel of the container there is a hand held shower for warm and cold water. The drainage of the shower base will be made by a separate connectable waste water pump.



Tarpaulins will be mounted as splash guard around the stainless steel shower base.

In the machine room, a diesel-driven heating for this area is installed

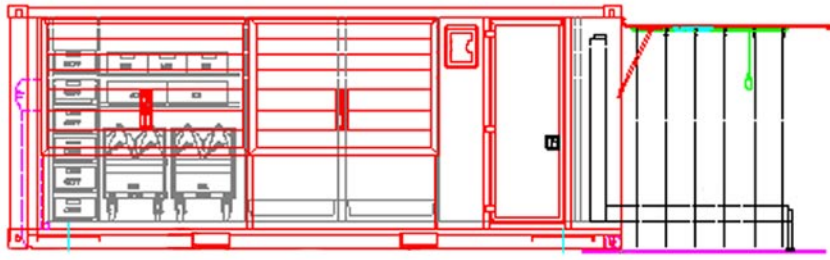
Stilts system (for ISO - Container)



The container - lifting system consists of 4 stilts which are fix mounted at the ISO-fittings of the container.

The stilts are frontal pivoting and will be operated with 24 V. The stilts will be extended on the wished height by manual control.

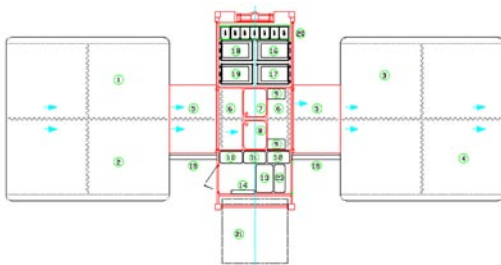




- | | |
|--|---|
| 1. Undressing room | 1 |
| 2. Undressing room | 2 |
| 3. Dressing room | 1 |
| 4. Dressing room | 2 |
| 5. Lock | |
| 6. Storage of the tents | |
| 7. Shower | 1 |
| 8. Shower | 2 |
| 9. Shelf | |
| 10. Tank and pump | |
| 11. Flow heater | |
| 12. Tent heating | |
| 13. Power supply | |
| 14. Control panel | |
| 15. Hot-air hoses | |
| 16. Trolley PROMIX | |
| 17. Trolley 12 kVA -generator | |
| 18. Trolley accessories | |
| 19. Trolley accessories | |
| 20. Shelf with cases | |
| 21. Decontamination injureds | |
| 22. Connections for air tubes or tent heatings | |
| 23. Connections for current, water and waste water | |

- | | |
|--|---|
| 1. Undressing room women | 1 |
| 2. Undressing room men | 2 |
| 3. Dressing room women | 1 |
| 4. Dressing room men | 2 |
| 5. Lock | |
| 6. Storage of the tents | |
| 7. Shower | 1 |
| 8. Shower | 2 |
| 9. Shelf | |
| 10. Tank and pump | |
| 11. Flow heater | |
| 12. Tent heating | |
| 13. Power supply | |
| 14. Control panel | |
| 15. Hot-air hoses | |
| 16. Trolley PROMIX | |
| 17. Trolley 12 kVA -generator | |
| 18. Trolley accessories | |
| 19. Trolley accessories | |
| 20. Shelf with cases | |
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| 22. Connections for air tubes or tent heatings | |
| 23. Connections for current, water and waste water | |

Version 1



Version 2



Ro/Ro- Container Decon

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