

**WARNING: All rescue tents users are obliged to study this Instruction Manual prior to use of the rescue tent!**

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## 1 SUPPLY VOLUME

### Standard delivery contains:

- Rescue tent;
- Transportation bag;
- Accessory kit.

### Basic equipment of the rescue tent:

- Inflatable supporting structure;
- Tent roof which is fixed with the floor;
- Ventilation openings;
- Main entrances;
- Guy ropes and fastening flaps;
- Openings for cables and heating/air condition;
- Accessories for the tent:
  - Accessory bag;
  - Pegs;
  - Hammer;
  - Repair kit;
- Instruction Manual;
- Certificate on the performed pressure tests.

### Extra accessories for the rescue tent (available upon customer's order)

- Electric pump;
- Connecting sheet;
- Removable floor;
- Partition curtains (lengthwise or crosswise);
- Insulation or hygiene liner;
- Built-in shower;
- Windows – three-layers (net, film, roof material);
- Side entrance;
- Protective sheet to be used under the tent or inside of the tent;
- Lighting;
- Heating, air-condition;
- Heavy-duty bottom;
- Weight bags;
- Pressure bottle;
- High pressure hose for inflation from pressure bottle;
- Pump for liquid supply;
- Sludge pump;
- Dosing pump to mix in the agents;
- Retention containers;
- Floor mats.

## 2 DESCRIPTION OF THE RESCUE TENT

**Use** – The inflatable rescue tent can be used to accommodate people or store materials, the tent with the built-in shower can be used to clean people and material.

**Temperature resistance** - The tent is usable within the temperature range between -30 °C up to +70 °C.

**Material** – The tent is made of one-side and double-side coated fabrics.

**Health harmlessness** – coated textiles used for the tent are assessed as health harmless for people older than three years.

**Flammability** – The tent is flammable. For fire extinguishing the water, foam and powder fire extinguishers are to be used. Upon customer's request the tent can be supplied in version with reduced flammability.

**Lifetime** – Lifetime of the tent depends on the conditions of use and on observing the specified maintenance rules.

The tent consists of inflatable supporting structure (1), floor (10), tent roof (2) and two main entrances located on front tent sides, equipped with entrance canvases which can be rolled up (13).

The inflatable supporting structure has either one air chamber or two air chambers depending on the tent type. The inflatable supporting structure is connected with the floor and roof of the tent. Even in case of a failure of one of the air chambers a sufficient stability is guaranteed for an emergency use of the tent.

For inflation of the supporting structure there is a combined inflation and deflation valve (5) built into one of the front parts of the ground cylinders at the entrance section inside of the tent. Each air chamber of the inflatable supporting structure is equipped with a safety relief valve (7) that opens whenever the maximum operational pressure i.e. 0,28 bar is exceeded.

The structure can be inflated either by means of compressor, pressure bottle, electric pump or hand pump through the inflation valves that are equipped with quick couplers.

On the tent floor (10) there are fastening flaps (6) evenly distributed along the longitudinal sides of the tent to fix the tent with the pegs.

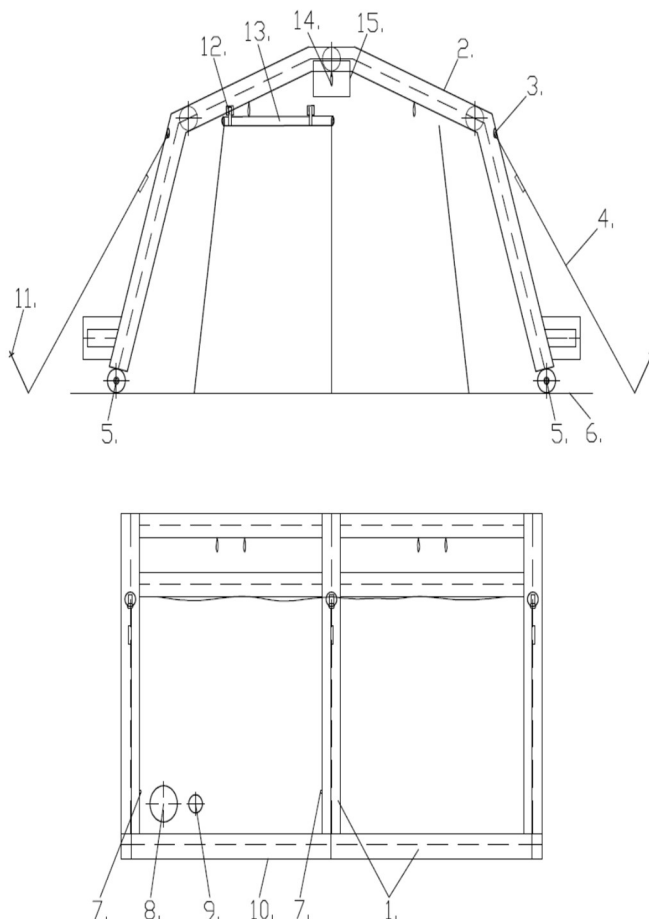
The side walls of the tent contain one opening (8) for heating/air-condition and one opening (9) for wiring infrastructure and hoses.

On the longitudinal roof sides (2) there are fastening straps (3) for the guy ropes with guy ropes (4) to stabilize the tent by means of pegs (11).

The entrance can be closed by means of rollable entrance canvases (13). The entrance canvases have zip fasteners on the sides and reversible canvas fasteners with rings on the bottom. The rolled up entrance canvas can be fastened with clips (12).

Straps (14) located inside the tent are attached to the inflatable supporting structure and serve to fix various accessories of the tent. Maximum load of each strap is 5 kg.

**Pic. 1 Tent**



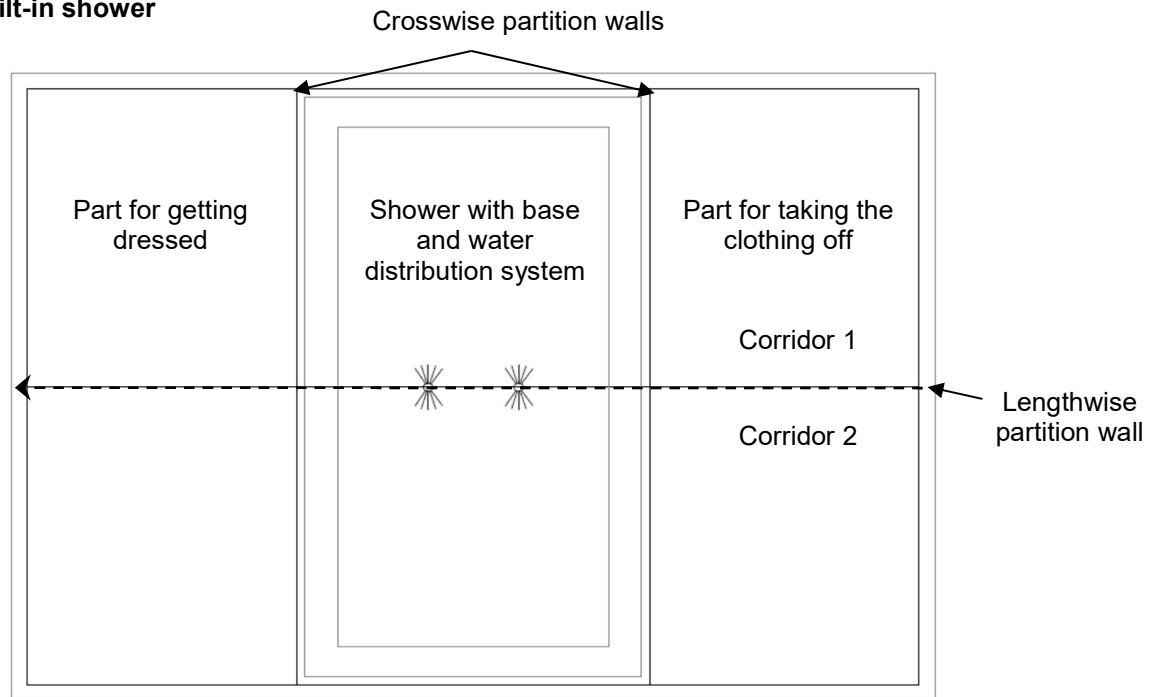
1. Inflatable supporting structure
2. Roof
3. Fastening straps for the guy ropes
4. Guy rope
5. Inflation and deflation valve with quick couplers
6. Ground fastening flaps
7. Safety relief valve
8. Opening for heating/air condition
9. Opening for wire infrastructure/hoses
10. Tent floor
11. Peg
12. Strap with clip to fasten the rolled up entrance door canvas
13. Rollable entrance door canvas
14. Strap on the supporting structure
15. Ventilation opening

#### **Built-in shower (extra accessory)**

Consists of the shower cabin, the water distribution system and the shower cabin base. The built-in part can be divided by crosswise partition walls into three parts to be used to take the clothing off, to take shower and to get dressed. By means of lengthwise partition walls the built-in part can be divided into separate corridors. The built-in part is fixed inside the tent by means of Velcro fasteners.

In the shower part there is the inflatable base, which can be removable or fixed. The water distribution system is optional upon customer's request). The standard connection of the water distribution system is done through Geka connector.

**Pic.2 – Built-in shower**



### 3 PUTTING INTO OPERATION

#### **Warning:**

The tent may be used by adults only. People younger than 18 years may use the tent under supervision of an adult person only. Avoid the access of animals (mainly rodents) into or near the tent. The animals may cause damage or non-functionality of the tent.

Pay maximum attention when using the zip fasteners. Keep the zip fasteners clean and avoid their inadequate stress.

When humidity inside the tent is increasing, water vapours can condensate on the tent walls. As soon as water vapours start to condensate on the tent walls it is necessary to improve the ventilation in the tent (by opening the door or windows).

#### **Warning !**

- **Do not use devices burning liquid, gaseous and solid fuels inside or near the tent**, e.g. stove, candles, grills, heating bodies and other devices burning liquid, gaseous and solid fuels producing carbon monoxide or taking away oxygen from the tent - risk of suffocation.
- **Do not use near or in the tent open flame - the tent is flammable!**

#### 3.1 UNPACKING AND UNFOLDING THE TENT

#### **Caution:**

The surface on which the tent is to be set up should be free of any items (sharp stones, branches, etc.) that could damage or tear the tent and it should also be sufficiently even and compacted (loose and uneven surfaces - sands, etc. - will impair the stability of the tent). To prevent the tent damage by wind it is suitable to install the tent in the lee but not under trees or on places where the tent could be damaged by falling items.

Remove the tent from the transportation bag and unfold to its maximum length and width.

## 3.2 INFLATING THE TENT

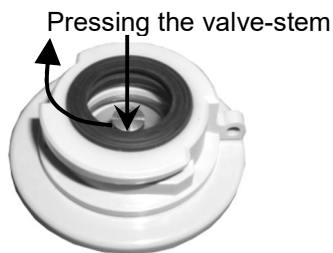
During inflation of the supporting structure the tent obtains its shape given before, whereby the basic tent surface is fixed by the tent floor. The walls and the roof unroll and stretch during inflation.

- **Check the state of the valves!** Remove the valve caps and check that the valve-stems are in the upper position. Otherwise gently press the valve-stems, turn them in a clockwise direction and release your finger. The spring will move the valve-stem to the upper position – when the valve is closed.

When possible, inflate both air chambers at the same time.

### Pic. 3 Inflation / Deflation valve

Pic. 3A – Valve in the position open, the valve-stem is down

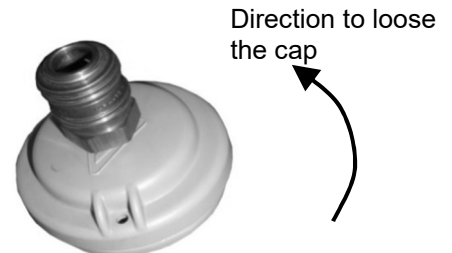


Turning by 45°

Pic. 3B – Valve in the position closed, the valve-stem is up



Pic. 3C – Valve cap with quick coupler



### 3.2.1 Inflating by means of pressure bottle (not included in the delivery)

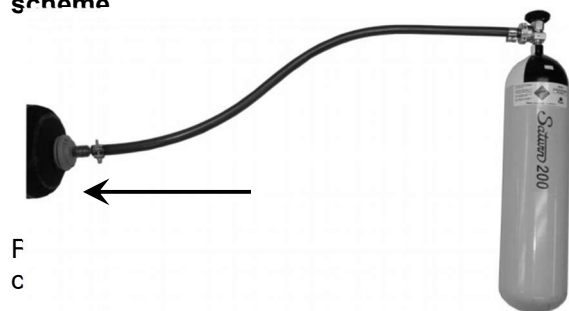
#### **Warning:**

For inflating by means of pressure bottle you can use bottles with compressed air with pressure of 200 bar or 300 bar equipped by pressure hose and a quick coupler (possibly with a pressure reduction to max. 8 bar).

When inflating by pressure bottle proceed very carefully not to damage the structure because during a very fast inflation the tubes around the valves could get frozen.

- Check whether the valve-stem is in the position up;
- Close the valve with the quick coupling cap;
- Connect an air inlet;
- Inflate the first air chamber of the tent up to approximately one half of the operation pressure;
- Switch the pressure hose over to the other air chamber and inflate it to the operation pressure;
- Switch over to the first air chamber and inflate to operation pressure of 0,23 bar.

Pic. 4 Pressure bottle inflation schema



The tent is inflated to operational pressure when the safety relief valve opens and starts releasing air. The safety relief valves are located on vertical cylinders inside the tent.

### **3.2.2 Inflation by means of electric pump (extra accessory)**

Prepare the electric pump for operation according to the Instruction Manual attached to the device by the manufacturer. Unscrew the valve cap with the quick coupler, connect the feeding hose of the electric pump to the inflation / deflation valve and inflate the first air chamber up to approximately one half of the operation pressure. Switch the feeding hose over to the other air chamber and inflate it to the operation pressure. Switch over to the first air chamber and inflate to operation pressure of 0,23 bar. By means of GTX-3 pump the air chambers can be inflated simultaneously due to the double hose.

## **4 OPERATION MEASURES**

- Secure the tent by all available means against the weather impacts.
- Anchor the tent with the enclosed pegs and guy ropes. The guy ropes must be tightened.
- When the tent is set up on such surface where the pegs cannot be used, anchor it by means of sand or water filled bags placed on fastening flaps or by means of another suitable material.
- Secure the tent perimeter by means of sand bags, stones or other suitable heavy materials outside and inside the tent.
- Place the equipment inside the tent on plastics or wooden boards without any splinters.
- In case of low operation pressure symptoms inflate the tent supporting structure according to Chap. 3.2 - Inflation.
- Check the guy ropes regularly and if needed stretch again.
- If there is a ground for suspicion that the air chambers are not tight, put on the supporting structure and the valves a soap solution to find out the leaky places.
- Repair according to Chapter 7.

### **Warning:**

**When the wind starts blowing, check regularly the tent anchoring and in case of a very strong wind place bags filled with e.g. sand on the fastening flaps. The entrance canvases have to be closed during a strong wind.**

**When snow, ice, sand or any other material accumulate on the tent roof, remove it continuously.**

## **5 DEFLATING, FOLDING AND PACKING OF THE TENT**

### **5.1 TENT DEFLATING**

- Remove all items off the tent and roll up the entrance door canvases.
- When partition curtains are installed in the tent, remove and fold them, put them into the transportation bag with the tent.
- Clean the tent inside and outside. Let the tent dry out properly before deflating.
- Remove the guy pegs, clean them and put into the bag for accessories.
- Open the inflation and deflation valves by pressing and turning the valve-stems in an anti-clockwise direction and let the air escape for 5 to 10 minutes.
- Suck out the remaining air out of the construction by means of the electric pump in suction mode (extra accessory).

### **5.2 FOLDING AND PACKING THE TENT**

Folding and packing of the tent is done according to the following procedure:

- Spread the roof evenly over the floor, clean it and place the guy ropes onto the tent roof;
- Fold the tent to the width which is by 5 to 10 cm smaller than the transportation bag width;
- Roll it towards the valves to expel the remaining air;
- After rolling, close the valves to the pre-inflation position;
- Prepare the transportation bag against the tent and place the tent into the bag;
- Place the bag with accessories into the transportation bag;
- Close the transportation bag with buckles and fasten it properly.

## **6 MAINTENANCE**

- Clean the textile tent parts with warm soapy water or with detergent water solution and a soft sponge. Rinse all the cleaned parts with clean water and let them dry in air.
- Protect the valves against getting dirty. Dirty inflation / deflation valves and safety relief valves can be cleaned by compressed air stream.

#### **Warning :**

**Do not perform mechanical valve cleaning, do not disassemble the valves.**

**Materials used for the manufacture of the tents poorly resist to the contact with acid, lye, oil, petrol, toluene, acetone, paraffin oil and similar solvents.**



**Before a repeated use of the built-in shower, inspect the filters under the nozzles. When dirty, clean them by means of water stream. Unscrew the nut with nozzle and take out the nozzle filters and check for the impurities.**

## **7 REPAIR OF THE HOLES AND TEARS**

Holes and tears in the structure, floor or the roof can be repaired using the repair kit supplied with the tent as standard accessory. When repairing the tent, always follow the instructions:

- On the tent mark the damaged place and choose the patch depending on its size and material kind;
- The surface of the patch and the damaged place must be dry, clean, without any rest of the old adhesive;
- Make the patch and the damaged place coarsen by means of sandpaper;
- Apply an adhesive layer by brush on both stuck surfaces;
- After the adhesive layer has dried up, this takes approx. (10 – 15) minutes, attach the patch on the damaged place, press with a big power and apply a load or roll with a roller on an even surface.
- Let the adhesive dry on the repaired floor and roof for minimum 20 minutes. In case of small repairs on the structure (puncture) let the adhesive dry for 1 hour minimum, in case of larger repairs wait for 24 hours.

### **7.1 Service repairs**

We recommend to carry out more complicated repairs in the manufacturer's service.

## **8 STORAGE**

- During the long-term storage it is necessary to unpack, unfold and inflate the tent once in 12 months and to check the general status.
- Do not store any damaged tents, pass them to the service repair shop for repair immediately.
- During long-term and short-term storage store the tent deflated and clean at ambient temperature (15 to 35) °C minimum 1,5 m far from the source of the radiant heat, on a dark, dry and clean place out of reach of harmful substances (acid, lye, oil, petrol, toluene, acetone, paraffin oil and similar solvents), solar radiation and rodents so that the risk of damage is minimized.

## **9 GUARANTEE CONDITIONS**

The guarantee period is specified in the Purchasing contract. The Supplier provides a repair or replacement for material or manufacture defects free of charge.

The guarantee relates to material defects and manufacture defects caused by the manufacturer that appear within the guarantee period whereby the product

- may be exclusively used for purpose for that it was manufactured;
- has to be stored and maintained properly;
- during the guarantee period has to be repaired in the service repair shop exclusively;
- has to be delivered clean and in the protection packaging.

The guarantee does not relate to

- a) defects caused by non-observance of guarantee conditions;
- b) parts damaged by usual physical wear and tear;
- c) pulled out fastening parts, straps;
- d) mechanical damage caused by incorrect use;
- e) spoiling in the wash as consequence of cleaning, rain and fading out;
- f) colour lost after cleaning, rubbing on strongly strained places, fading out caused by solar radiation;
- g) damage caused as consequence of insufficient care.

## 10 GUARANTEE AND AFTER-GUARANTEE REPAIR

Guarantee and after-guarantee service is provided by the supplier.

Stamp:

Date:

## 11 DISPOSAL OF THE TENT AND ACCESSORIES

- **The tent** should be disposed of at municipal waste disposal site.
- **Repair kit** should be disposed of according to the instruction written on the adhesive packaging. CAUTION! Do not throw into fire. Inflammable substance.
- **Patches** should be disposed of at municipal waste disposal site.
- **Instruction Manual** should be recycled or disposed of at municipal waste disposal site.
- **Electric pump** should be disposed of according to attached manual from the manufacturer.

**Other disposal methods are not permissible!**