

THANK YOU FOR YOUR TRUST

 $\rm X$ GLOO GmbH & Co. KG congratulates you on the purchase of your inflatable $\rm X$ GLOO tent—the lightweight tent system.

To guarantee perfect handling, optimal functionality and a long service life as well as to ensure your personal safety and that of your guests, we ask you to observe the following:

Before you using your event tent for the first time, read this user manual carefully and follow the safety instructions.

All functions, maintenance and repairs should only be carried out to the degree described in this user manual.

Please contact your X GLOO Team for repairs not explained in this manual!

If you loan your inflatable X GLOO tent to another person, please pass on this manual or make sure that the responsible person is properly instructed regarding the technical aspects of the tent.

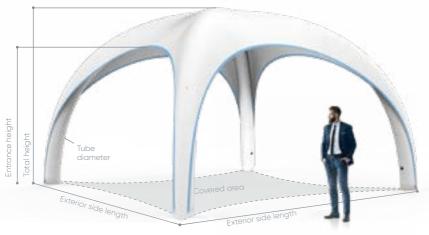
Should you have any questions, we are always happy to assist you:

SERVICE HOTLINE +49 (0)8641-6948-60

X GLOO® · Windeckstr. 4 · 83250 Marauartstein · Germany

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1. TECHNICAL SPECIFICATIONS



	XE 4	XE 5	XE 6
Exterior side length	4,0 m	5,0 m	6,0 m
Entrance height	2,1 m	2,4 m	3,0 m
Total height	2,8 m	3,3 m	4,0 m
Tube diameter	25 cm	31 cm	37 cm
Weight without walls	10 kg	14,5 kg	18,8 kg

COVERED AREA

without walls	9,5 m ²	15 m²	21 m ²
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CONSTRUCTION

Hand pump	15 min	25 min	35 min
Electric pump	8-10 min	10-13 min	12-15 min
Operating pressure*	0,3 bar	0,2 bar	0,17 bar
	4 PSI	3 PSI	2,5 PSI

^{*}This data serves primarily as information, since the operation of the overpressure valves is automatic...

all dimensions are approximate

2. INCLUDED WITH DELIVERY

1x Quick user guide (1)

1x Hand pump (2)

3x Repair kit (3)

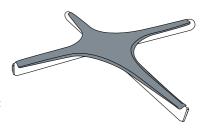




3.1 LAYING OUT THE TENT

Take the tent out of the supplied transport bag and lay it out at your setup location with the roof facing up. It helps arrange the tent in such a way that the tube ends are positioned approximately where they will be when the tent is inflated. This can make the setup process much easier.

In order to reduce the risk of soiling / damaging the tent during the setup process, it is recommended to first spread out the Protection Foil, which can be purchased from X GLOO as an optional accessory.



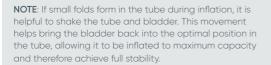
3.2 FILLING - EMPTYING - VAI VES - RAISING

The valve for inflation/deflation consists of a socket ring that is permanently welded to the bladder and a screw-on valve housing with attached protective cover.

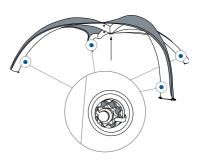
3.2.1 INFLATE

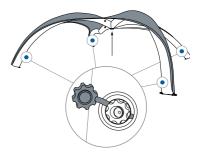
To inflate the tent, the valve on the inside edge of every tube must be prepared by screwing the housing tightly onto the socket ring.

Connect one end of the hose to the pump and the other end to the end to the valve housing. After inflation is complete, close the valve with the protective cover.



To **deflate**, simply unscrew the valve housing from the socket ring (7. Takedown - p. 14).







On each tube there is a red overpressure valve that automatically opens once the maximum air pressure in the tube has been reached. The overpressure valve prevents the tube from bursting if the air pressure inside is too high. Because it is a safety-related part, special attention should be given to it.

Before inflating the tent, every overpressure valve should be checked to ensure that it is functioning properly. To do this, unscrew the valve housing from the socket and check to make sure that the spring can be pressed in. Make sure that the valve is properly screwed closed again after testing.

Sand or dirt can jam the spring and valve, which may prevent the valve from functioning correctly.



3.2.2

NOTE: Raising the tent from the ground requires some assistance. Before the tubes are fully inflated, the middle of the tent must be actively lifted. This prevents the tent from possibly being damaged from being inflated invertedly.

When setting up the tent on sandy terrain, take care that no grains of sand enter the tubes or pumps through valve openings, as these could lead to damage or leaks.

PLEASE NOTE: The specified maximum air pressure must not be exceeded, and is reached when the overpressure valves open and air begins to escape.

For the tent to appear optically perfect, the tubes should be aligned by hand after inflation and the roof readjusted on the tubes if necessary.

3.3 PUMPS

3.3.1 INFLATION WITH THE ELECTRIC PUMP

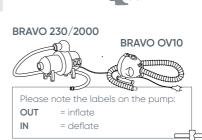
Screw the threaded end of the supplied hose onto the "inflate" opening of the pump.

3.3.2 INFLATION WITH THE HAND PUMP

The included hand pump is equipped with various adapters that allow connection to different valves. The hose should not be kinked or compressed as this could result in leaks or breakage!







TIP: Note the valve plug at the top of the pump body:

OPEN pumps only on the down stroke (single action)

CLOSED pumps on both the up and down stroke (double action)





3.3.3 INFLATION WITH THE BATTERY PUMP

The electric battery pump is equipped with various adapters and can therefore be connected to different valves. The one-pump connection is excluded. The hose should not be kinked or squeezed to avoid leaks or breakages!

Charging plug for 12V and 100-230V.



The pump switches off automatically when the set value is reached. If the set value is higher than recommended, the pressure relief valves are triggered as a safety measure. When the compressor is switched on, an increased volume is normal.

4. ANCHORING

The XE series of X GLOO tents have been developed to be mobile and modular lightweight tents. Despite their low weight and the associated relatively low risk potential, the following instructions must read before use and diligently observed to prevent damage to property and personal injury.

GENERAL INSTRUCTIONS

Depending on the nature of the terrain, the appropriate anchoring accessories must be used:

- On firm, packed soil, the X GLOO Anchoring Set (tent stakes) for the appropriate tent size can be used.
- On snow or sand, the Snow Anchors or Sand Anchors are to be respectively used in place of tent stakes.
- · On asphalt and similar hard surfaces, the tents must be sufficiently weighted down.

The table below shows which type and quantity of ballasts to be used, depending on the expected maximum wind speed and the tent size.

POWERS



- wind speed: 1 m/s = 3.6 km/hairtightness: 1.224 kg/rh
- drag coefficient: 1 (safety factor of 1.2; estimated actual drag coefficient of 0.6)
 coefficient of friction between the ballast barrel and the subsurface:
 1 (material rubber / PVC asphalt)

size	TENT SIZE STORAGE AREA INCL. SIDE WALL
XE 4	8,5m² (91.5ft²)
X E 5	13m² (139.9 ft²)
XE 6	19m² (204.5ft²)

	THRUST (D) [daN]			BOOST (L) [daN]			RESULTING POWER (T) [daN]		
size	wind speed 30 km/h	wind speed 40 km/h	wind speed 60 km/h	wind speed 30 km/h	wind speed 40 km/h	wind speed 60 km/h	wind speed 30 km/h	wind speed 40 km/h	wind speed 60 km/h
XE 4	24,2	51,7	115,0	11,3	39,6	60,8	35,5	68,0	175,8
XE 5	37,0	79,1	175,9	17,6	42,0	195,0	54,7	121,2	271,0
XE 6	54,1	115,6	257,1	25,4	60,6	136,8	79,6	176,2	305,7



	X GLOO Ballast system per column				
size	wind speed 15 km/h	wind speed 30 km/h			
XE 4	1x column ballasting	1x ballasting barrel			
XE 5	1x column ballasting	1x ballasting barrel			
XE 6	2x column ballasting	1x ballasting barrel			



- In windy conditions, be sure to orient the tent against the wind so that it offers the least
 wind resistance. Canopies, in particular, should not be aligned facing into the wind, nor
 should open sides of the tent face into the wind when the side of the tent facing away from
 the wind is closed with a wall. Wind loads can be significantly reduced by removing the walls
 and canopies.
- Exposure to wind gusts which exceed the maximum permissible wind speed can lead to structural damage of the tent that is not covered by the warranty.
- If weather conditions drastically deteriorate, all valves must be opened to let the air out of the tent and thus avoid any major damage. The deflated tent should be weighed down to prevent it from being taken by the wind.

4.1 TUBE BALLASTS

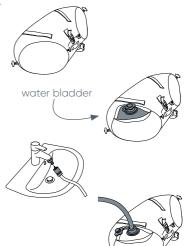
Each Tube Ballast Set includes four ballasts. Each ballast contains a water bladder for filling with water.

4.1.1 FILLING WITH SAND / GRAVEL

 If filling the ballasts with sand or gravel, the water bladders must first be removed so that they do not become damaged.

4.1.2 FILLING WITH WATER

- Open the ballast cover and pull out the water bladder until the fill valve is visible.
- Included in the Tube Ballast Set are a hose and various faucet adapters.
- Attach the hose to the faucet using the correct adapter.
- Open the fill valve, insert the other end of the hose and completely fill the bladder with water.
- Once full, remove the hose and close the valve and the velcro on the ballast cover





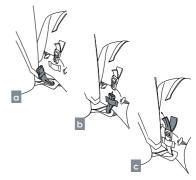


4.1.3 CONNECTING A TUBE BALLAST TO THE TENT TUBE

Tube Ballasts can be attached to the inside or outside of the tubes.

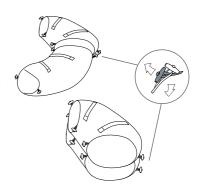
Make sure that the rubber-reinforced side of the ballast is facing the ground.

Take the end of the webbing with the buckle insertion part and thread it upward through the anchoring ring on the tube end (a) and then through the webbing loop on the Tube Ballast (b). Connect the hook part of the buckle into the insertion part of the buckle and tension the webbing so that the Tube Ballast snugly "hangs on the foot" of the tent. This is how you achieve the best stability and force transmission. (c)



4.1.4 CONNECTING MULTIPLE TUBE BALLASTS TO ONE TUBE

To secure the tent in strong winds, multiple ballasts can be attached to each tube end. Arrange the Tube Ballasts next to each other and connect them to one another using the plastic toggles. Then attach the buckles on each ballast to the tube ends of the tent as described in 4.1.3. The Tube Ballasts can alternatively be placed on top of one another.



4.2 WATER BALLAST BARRELS

Especially suited for hard ground surfaces, Water Ballast Barrels can be used as tent anchors, seating or both.

4.2.1 FILLING

- Make sure the the check valve tab in the opening at the bottom of the barrel is closed. To do this, pull the check valve forward with one finger. This will ensure that nearly no water can escape when removing the hose after filling (a).
- When filling with water, the upper opening should initially remain open (with the check valve pushed back into the barrel) so that the air can escape when filling (b).
- Fill the barrel until it has completely taken shape and the water has reached the upper valve opening.









- Next, pull the check valve tab forward (c) before filling any remaining space in the barrel with air. It is not necessary to connect the pump directly to the top opening. Instead, the easiest way is to hold the hose of the running pump against the edge of the check valve in the upper opening (d).
- Finally, tightly close the cover on the upper opening
 (e)
- To transport the Water Ballasting Barrel, either lift it by the handles with two people or tip it onto the hard bottom edge and roll it.







4.2.2 CONNECTING

The eyelets on the base of the Water Ballast Barrels can be used to connect them to the rings on the tube ends by means of the included shackles. You can attach up to two Water Ballast Barrels directly to the rings on the tent base.

4.2.3 EMPTYING

To empty the barrels, unscrew the cover on the bottom opening and push in the check valve tab so that the water can run out by itself.

4.2.4 DIGITALLY-PRINTED COVER

The digitally-printed cover can be pulled completely over the filled barrel and then zipped closed.





4.3 TENT STAKES

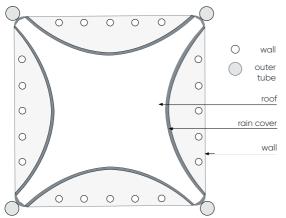
When using tent stakes, it should be noted that the actual anchoring strength achieved depends largely on the nature of the ground surface. Because of this, no general information can be provided about which wind loads can be absorbed with which number of stakes.

It is always important to drive in the tent stakes an angle slightly toward the tube end to help prevent them from being pulled out in windy conditions.





The following graphic shows which size/type tent stake should be used at which position.



FOR XE 4/5/6

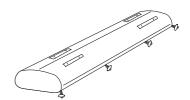
tent stakes	quantity	use
300 mm L	16 pcs.	walls
500 mm L	4 pcs.	outer tube

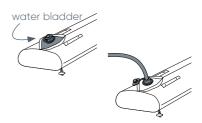
4.4 WALL BALLASTS

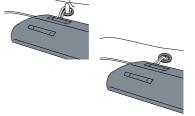
The Wall Ballasts can be filled with water or sand/gravel and can be connected to the wall using the attached toggles.

FILLING WITH WATER

- Open the velcro on the ballast cover and pull out the water bladder until the fill valve is visible.
- There is a water bladder inside each ballast cover for filling with water. If filling the ballasts with sand or gravel, the water bladders must first be removed or they will become damaged.
- Included in the Tube Ballast Set are a hose and various faucet adapters. Attach the hose to the faucet using the correct adapter.
- Open the fill valve, insert the other end of the hose and fill the bladder with water.
- Once full, remove the hose and close the valve and the velcro on the ballast cover.
- Connect the four plastic toggles on the ballast to the large grommets on the wall. When doing so, make sure that the rubber-reinforced side of the Wall Ballast is facing down. For securing walls on XE 5 or XE 6 tents, the use of multiple wall ballasts on each wall is recommended











5. ELEMENTS

5.1 WALLS

The Universal Wall of the XE series offers the option of a wall that can be opened on both sides. This means it can be used multifunctionally as an Entrance- and Standard Wall.

5.1.1 ATTACHING THE WALLS

Attach the wall to the tent by connecting the zippers at the top of the wall and then closing them toward the bottom on both the right- and left sides.

5.1.2 ATTACHING THE WALLS WITH THE CLO-SING ROD

The closing rod is an available accessory for easier opening and closing of the side walls. The hook of the closing rod can be hooked into the zipper pullers for opening and closing.

The walls can also be attached inside-out. This makes it possible to have the printed side of a wall face either towards the inside or outside of the tent.

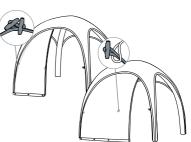
In windy conditions the zippers must always be closed completely, even during setup, as they can otherwise be damaged by wind loads being put on individual teeth of the zipper.

5.1.3 OPENING AND SECURING THE WALL

Starting at the bottom of the tent tube, open the zipper on the side of the wall that you want to open.

You can fix the wall at any postion along the zipper. Hold the wall open by connecting the plastic toggle to the loop in the center of the wall, or to the toggle on the opposite side.





6. USE

6.1 GENERAL INFORMATION

 X GLOO tents are not intended for continuous use and should be inspected for wear or zdamage after each event and for loss of pressure before each day of use.





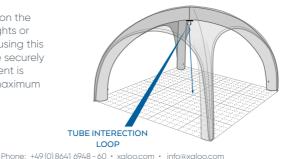
- X GLOO tents are not intended to bear large snow loads. In case of snowfall the
 accumulating snow must be regularly removed from the roof of the tent. If the tent is to be
 left unattended and snowfall is called for, then the tent should first be deflated or the tube
 intersection at the top of the tent securely supported.
- All X GLOO tents are partially made of certified flame-retardant materials. Nevertheless, the materials are still flammable and can burn when the source of fire is sufficiently strong.
- · Open fires and heat sources must be kept away from the tent.

FIRE PROTECTION CLASSIFICATION (see also X GLOO certificates):

- DIN 4102-B1 (short: B1): regulates tests and requirements for the fire behavior of building materials and components. Federal German standard, which, however, is also used in most European countries.
- CPAI 84-95, Section 6: Specification of the American Association of Sailcloth Materials for
 the assessment of flame retardant materials used in (event) tents. The certification
 according to CPAI 84 meets the international requirements for flame retardancy in tent
 products and includes similar test criteria such as DIN 4102-B1 or NFP 92501-7M2. Although
 X GLOO tents are used at trade fairs and events around the world, we reserve the right not
 to have them certified according to the individual national standards in all countries.
- Keep all valves free of sand and dirt, and clean them when necessary in order to prevent faulty operation and pressure loss.
- The tents can be damaged when sharp objects (e.g. knives, tools) penetrate the tubes, leading to leakage and loss of pressure. Handle with appropriate care. In extreme cases, damage to the tube material can cause it to burst, even under normal operating pressure!
- Extreme variations in temperature (day and night) or long-term continued use can—by design—lead to loss of air pressure through the overpressure valves which requires the tubes to be reinflated. (Procedure in case of pressure loss 10.7.) Therefore, we recommend checking the tent for pressure loss every 24 hours.
- The protective strips on the bottom of the tubes can wear down when the tent is set up on rough terrain and wind causes it to shift around, and should therefore be regularly checked for wear and replaced as necessary before the tubes themselves become damaged. Please make sure that no dirt, sand or stones becomes lodged between the protective strips and tubes.

MAXIMUM HANGING WEIGHT

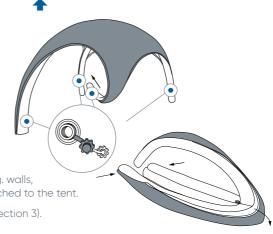
The tube intersection loop on the XE tent is used to attach lights or other components. Before using this loop, the tent itself must be securely anchored. Only when the tent is anchored can it hold the maximum permitted weight of 12 kg.







7. TAKEDOWN



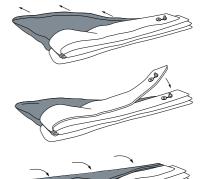
7.1 RELEASE AIR

- First remove all optional elements (e.g. walls, canopies, tunnel parts) that are attached to the tent.
- · Open the valves on each tube (see section 3).

PLEASE NOTE: It is recommended to let the tent rest on the ground with the tubes stacked on top of each other after opening the valves. This way the air can escape almost completely without any effort.

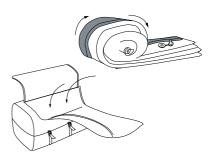
7.2 FOLD

- Turn the tent inside-out so that the seam of the tube intersection loop is facing outwards.
- Lay the tubes on top of one another with the valves facing upwards. The roof should be drawn outwards in large folds.
- Wait a few minutes for the last of the air to escape, and then roll up the tent starting from the tube intersection and moving down to the tubes.



7.3 PACK

 The tent can now be placed in the supplied transport bag. The walls can be packed safely in the optionally-available side wall bag.







8. STORAGE

- The X GLOO tent must not be packed and stored while wet. This can cause mold stains and mildew. Digitally-printed tent parts could also stain if stored in a damp place.
- The X GLOO tent must never be left in a vehicle (for example) in direct sunlight, as exposure
 to extreme heat can lead to the windows in window walls permanently sticking together,
 damage to the fabric or to strong staining.
- The X GLOO tent must be stored below 20° Celsius. Otherwise, the material coating can be damaged and the water resistance can be lost.
- Avoid pressure spots (e.g. do not lean on the tent with your knees while folding it or store it under heavy objects).
- At temperatures below 0° Celsius, sharp folding of materials can damage elements. The window walls in particular should be folded very carefully at low temperatures.

9. CLEANING

- · Dirty tents can be cleaned.
- · If your tent is dirty, first clean it while it is dry.
- In order to avoid damage to the material coating, the material should only be cleaned with warm water or a mild soapy solution if necessary, and a soft brush or—preferrably—cloth. Do not use solvents, washing machines or steam cleaning!
- The tent should be subjected to a visual and functional inspection at least once a year by a
 qualified person. During this inspection, the tent should be inflated in order to check all
 pressure-bearing parts for tears, punctures, delaminations, or damage from heat or
 chemical exposure.
- All functions, maintenance and necessary repairs should only be carried out to the extent described in this owners manual. Please contact your X GLOO Team about repairs exceeding these instructions!

10. MAINTENANCE - REPAIR

- Maintenance and repairs should only be carried out by the manufacturer or an authorized X GLOO Service Center.
- Depending on the frequency of use, the X GLOO tent should be periodically inspected for chafing and damage and necessary repairs carried out in a timely fashion.
- · Re-waterproofing is not possible.





10.1 MATERIAL

- All materials used have been carefully selected for their resistance to change from light
 exposure and have been subjected to rigorous tests. Nevertheless, the material may change
 color (fade) if there is strong UV exposure (when set up at high altitudes or through a long
 period of use). It is not possible to accurately predict when fading may become visible, due
 to the different influencing variables. White material also tends to yellow through UV
 exposure and exposure to dust and dirt.
- The materials used are water resistant and the essential seams are sealed with sealing tape.
 Nevertheless, water can still penetrate the tent in the event of a downpour or prolonged periods of rain, especially through the zippers.
- Electrical/electronic devices and moisture-sensitive products must be protected from water exposure to water. Their use is at the discretion and risk of the user.
- Compared to the dyed X GLOO material, which is available in the standard colors black, white, gray, red and blue, all other colors and designs are applied by digital printing to one side of a white material. Due to the nature of the digital printing process the back side of the material remains white, but printing on the opposite side may shine through depending on the amout of light striking the material.

10.2 REMOVING THE ROOF

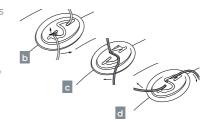
The roof can be separated from the tubes.

- To do this, first release the webbing from the strap adjusters found between the tubes and the roof at the the end of each of the four tubes (a).
- Next, unhook all cords from the roof-tube connectors by lifting one of the points in the connector and then unthreading the cord.



ATTACHING THE ROOF

- In reverse order: hook the cords on the inside of the roof into the roof-tube connectors found on all tubes (d / c / e).
- Next, connect the webbing to the strap adjusters found between the roof and tubes near the tube ends. Adjust the length of the webbing so that there is about 2 cm of space between the end of the roof and the upper edge of the protection strip (a).



10.3 REPLACING THE PROTECTION STRIPS

Replaceable protection strips are attached to all four tube ends of the tent. To remove a protection strip, first release the webbing from the strap adjusters and then thread these, as well as the plastic toggles, out of the protection strip.





Attachment of the new protection strip is done in reverse order.

When tensioning the webbing, make sure there is about 2 cm of space between the end of the roof and the upper edge of the protection strip (a).



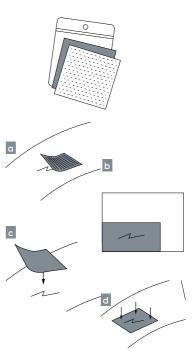
10.4 IN THE EVENT OF PRESSURE LOSS

- · FIRST, be sure that all valves are closed tightly!
- If pressure loss continues, blow out the overpressure valves while pushing the spring on the inside to remove any dust or dirt particles.
- If there is still a loss of pressure, we recommend replacing the inner bladder, as it is likely damaged.
- To help locate the damaged area, the surface of the bladder can be sprayed with soapy
 water and then the bladder inflated, so that air bubbles can be seen where the air is
 escaping. Alternatively, the bladder can be filled with a small amount water so that the leak
 can be identified by the forming of water drops when the bladder is inflated.
- If the damaged area can be seen from the outside and the size is less than 1 cm on the bladder, then the bladder be sealed with the high-performance repair tape.

10.5 REPAIRING A BLADDER

The high-performance repair tape is perforation and stretch-resistant and is specially designed for repairing tears and holes on the bladder.

- Remove all dirt and oil from the area to be glued. Use the included cleaning cloth for this (a).
- Cut the tape to the appropriate size and carefully peel off the protective paper! Make sure to avoid touching the adhesive surface as much as possible (b).
- Press the adhesive side of the repair tape onto the damaged area, making sure that there is sufficient overlap. For larger tears or holes, an overlap of at least 20 mm is recommended.
 Apply firm pressure in order to maximize the immediate adhesive strength. The final adhesive strength will only achieved after a few hours (c).
- Let the tape stick for a few minutes before putting the bladder to use (d).





10.6 REPLACING A VALVE

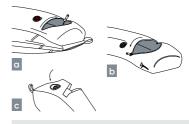
Both the inflation/deflation valve and the overpressure valve can easily be unscrewed by hand. To do this, grip the valve socket firmly from the outside in order to achieve the necessary torque. Since the bladder will also be grasped while doing this, it is important to take care not to damage it.



TIP: For an optimally wrinkle-free Tube, shake it while inflating it and run your hand along any wrinkles as they form to smooth them out. Continue until the tube is completely inflated.

10.7 REPLACING A BLADDER

- Lay out the tent so the damaged tube is on top so that you have easy access to it.
- Open the service zipper at the upper end of the tube (a).
- · Now open the ziper at the lower end of the tube (b).
- Push / pull both valves through the holes and into the Tube (c). The valves are secured with Velcro to the inside.
- Now you can pull the bladder downwards and out of the Tube (d-e).
- Orient the new bladder correctly and lay it out at the bottom of the tube (pay attention to the position of the valves) (f).
- Now, starting at the top end, thread the entire tube onto your arm and grasp the prepared replacement bladder through the lower tube opening (g).
- Carefully pull the replacement bladder completely into the tube, making sure that a small amount protrudes from both ends of the tube (h). Ensure that the replacement bladder does not become twisted as it is pulled in. It may help to have someone assist you with this step.
- Push the valves on the replacement bladder through the openings of the tubes from the inside and fasten the velcro (i). Make sure that the bladder does not get caught between the velcro rings on the valves and the tube (j).
- Close the zippers on both ends of the tube (k).
- Before inflating the new bladder for the first time, it must be spread out evenly in the column. To do this, pull the two ends of the tube apart while shaking them as they are lying flat on the floor. An assistant is required for this (I).



PLEASE NOTE: Note: Make absolutely sure that the replacement bladder does not rub across the service zipper or get caught on it while it is being pulled in.

