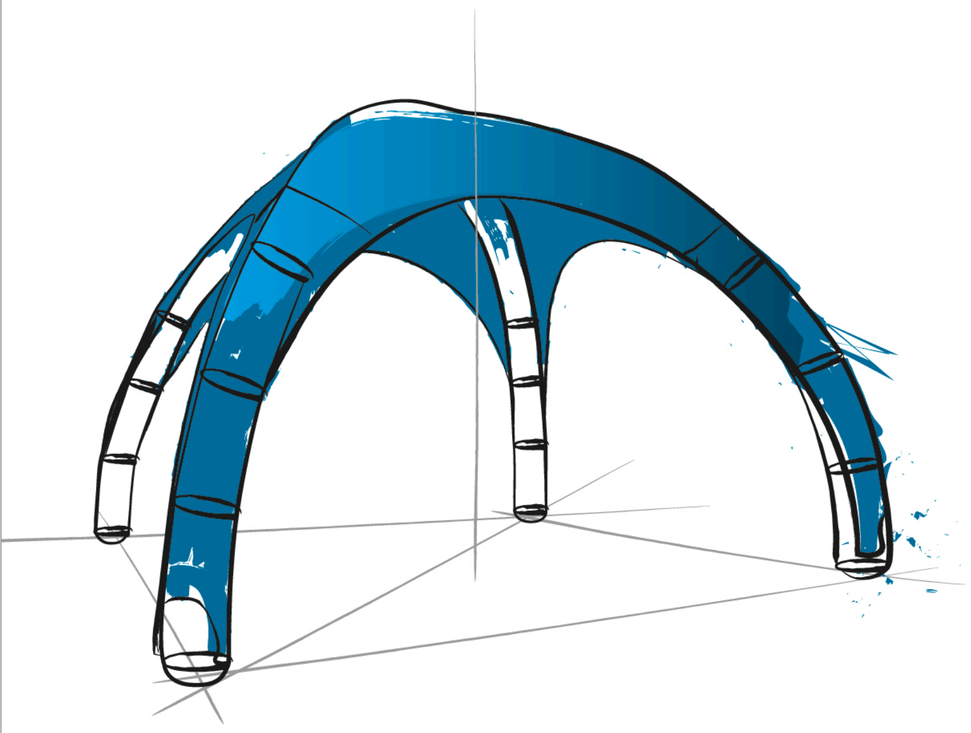
B A S

driven by innovation

User's Manual

Pneudom inflatable air tent



Read the manual carefully before first set up of the tent

B A S

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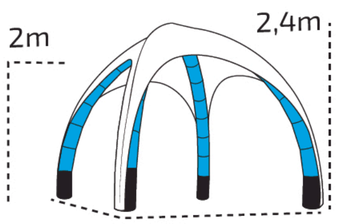
User's Manual

Table of Contents

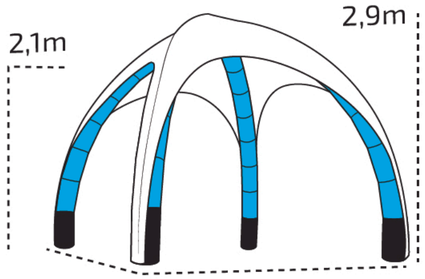
User´s Manual Available sizes of Pneudom inflatable air tent

3x3



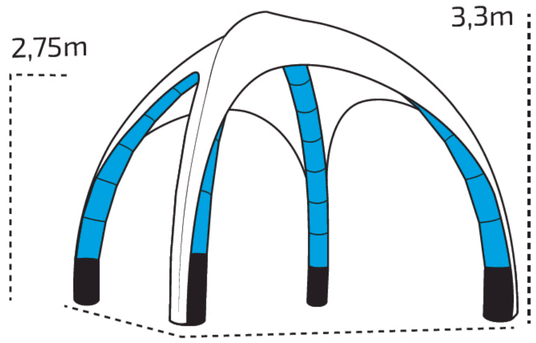
3x3m

4x4



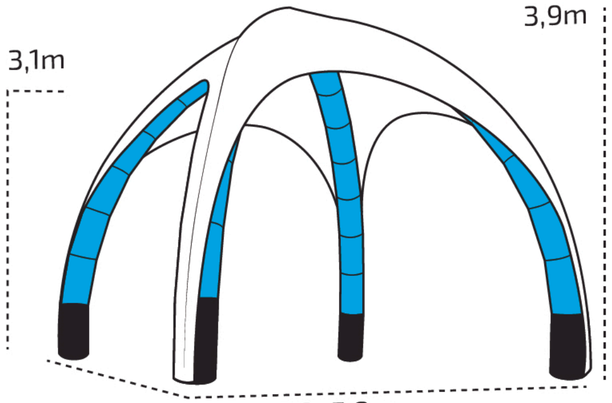
3,9x3,9m

5x5



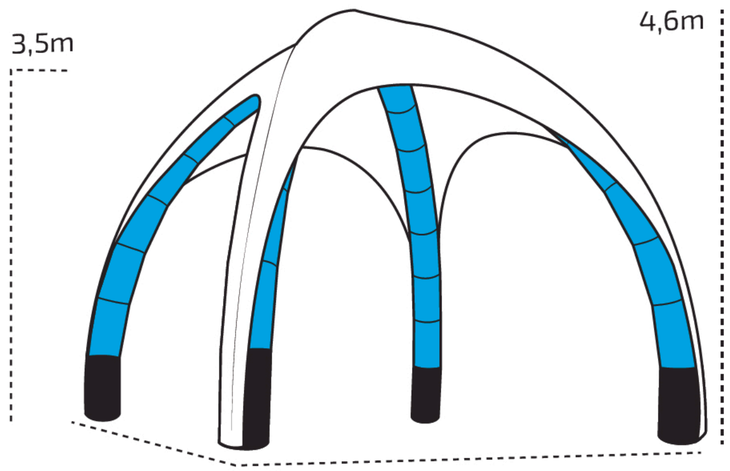
4,9x4,9m

6x6



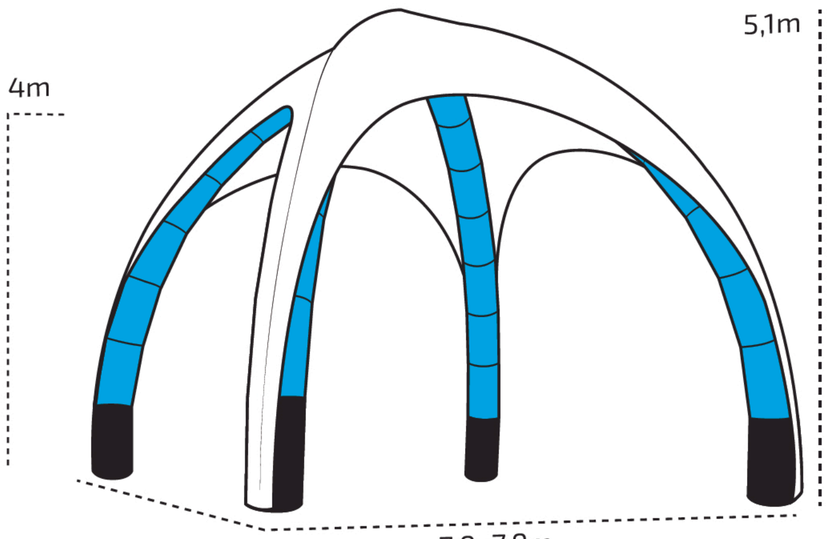
5,8x5,8m

7x7



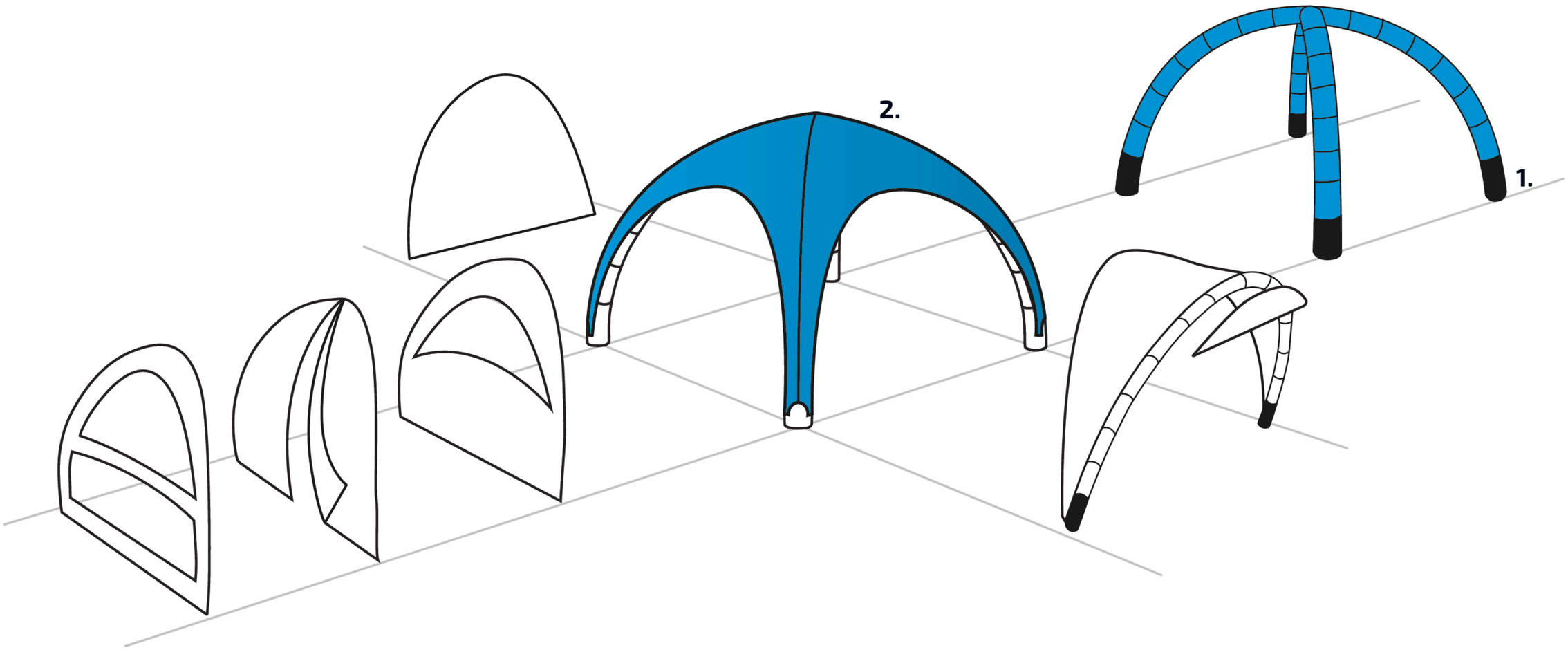
6,9x6,9m

8x8

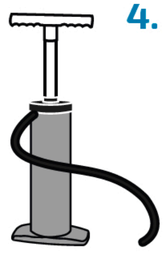


7,9x7,9m

User´s Manual Scope of delivery - basic set



3.

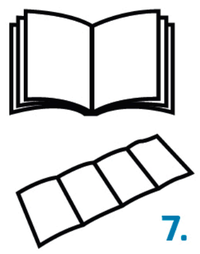


4.

AM4
- hand pump
- 11,6 PSI

5.

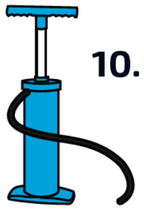
6.



7.

1. *Airtight inflatable frame (cover + bladders)*
2. *Canopy / Roof*
3. *Anchoring set (pins, pegs, ropes)*
4. *Hand Pump*
5. *Standard Bag*
6. *Repair Set*
7. *User's Manual + Setup Instructions*

User´s Manual Scope of delivery - additional items

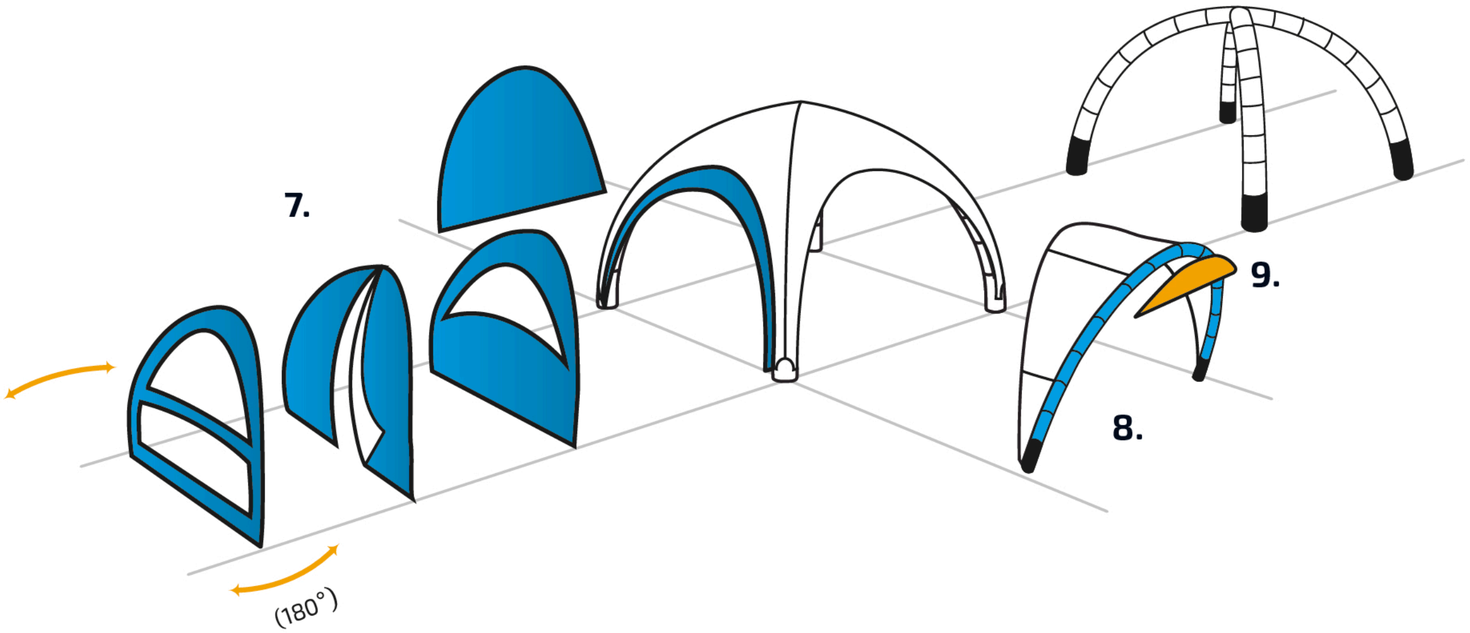


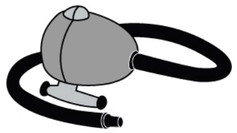
10.

AM6
- hand pump
- 8,7 PSI

11.

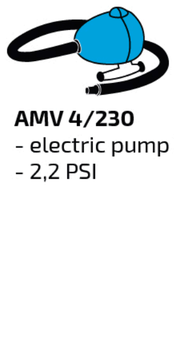
Pressure Gauge 0,5bar





AMV 10/230
- electric pump 230V
- 3,6 PSI

12.



AM BST 12V
- battery electric pump 12V
- 11,6 PSI

AMV 4/230
- electric pump 230V
- 2,2 PSI

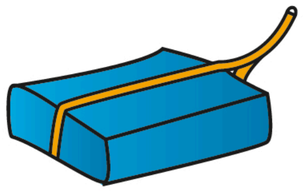
7. *Walls* (180° zip up - Optional)
8. *Visor*
9. *Visor Banner*

10. *Hand Pump*
11. *Pressure Gauge*
12. *Electric Pumps*
13. *Sand Weights*

14. *Water Ballasts*
15. *Steel Ballasts*
16. *Premium Bag*
17. *Light*

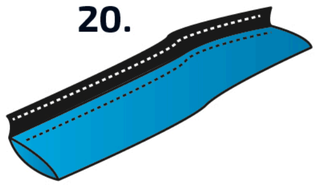
18. *Spare Bladders*
19. *Push Bar (7x7 / 8x8)*
20. *Wall Ballast*
21. *Snow Anchors*

13.



19.

20.



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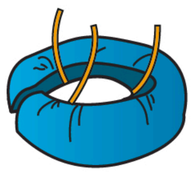

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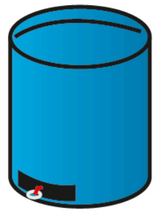
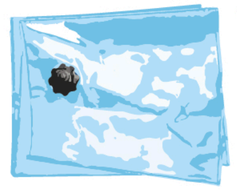


15.

16.

17.



18.

User´s Manual Safety and Care

Always make sure you team up with enough people to carry the setup process safely, especially before the tent is sufficiently anchored.

Protect the electric installation from fire / humidity / rain / fluids / other damaging or dangerous substances, objects and conditions

Store the tent in dry and well ventilated conditions. When humid wait for the tent to dry completely before storage.

Before set up clear the ground of sharp objects or any other items which may damage tent's fabric.

Brushing:
sand, soill, dirt, etc. should be brushed with soft-bristled brush.

Cleaning *(applies only to die sublimation print. Contact airMachine team or your reseller for info about other print technologies):*
clean only with water or water with highly diluted detergents (mild detergents with properties similar to those of soap)

Always use primary anchoring system. In winds exceeding 20km/h use the attached guy ropes and pins/pegs or other awning anchoring system. Do not use the tent in winds stronger than 35km/h (for tents 7x7 and 8x8 the allowed maximum wind is 30kmh).

The Canopy / Roof is sealed with anti-leak tape. With time the tape wears off and needs to be replaced for optimal performance. In case yours no longer prevents water from entering the inside of the tent, contact manufacturer or your reseller for tape replacement.

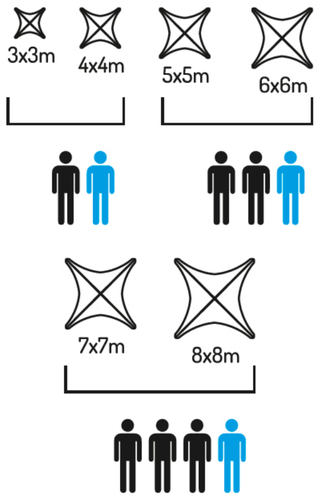
Keep tent from sources of heat and observe extra caution with cigarettes, candles and other sources of direct heat and flame.

Air Machine does not bare responsibility for damages resulting from improper use.
Improper use / repair by third party cancel the warranty.
Use only equipment provided by Air Machine

Ideal internal pressure of inflated frame is between 3,2-4,2 PSI. Do not let the pressure rise above 4,5 PSI and below 3 PSI.

If your tent comes with overpressure valve (red or yellow valve), there is no risk of over-inflation. What's left for you is to periodically check if the frame is solid hard (especially when the temperature goes down, e.g. during the night or colder weather). Remember: when temperature rises, the pressure increases (and reverse).

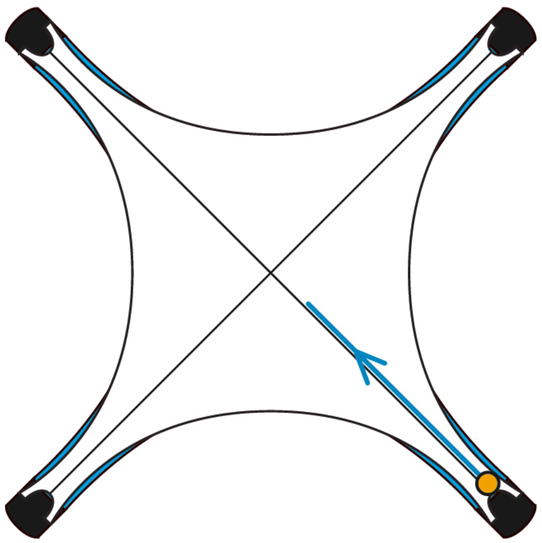
User´s Manual Tent Setup - beginning



1. It's always advisable to have assistance during setup, even in case of 3x3 and 4x4 tents. Tents 5x5 and 6x6 require minimum 2 people, 7x7 and 8x8 tents require 3 people.

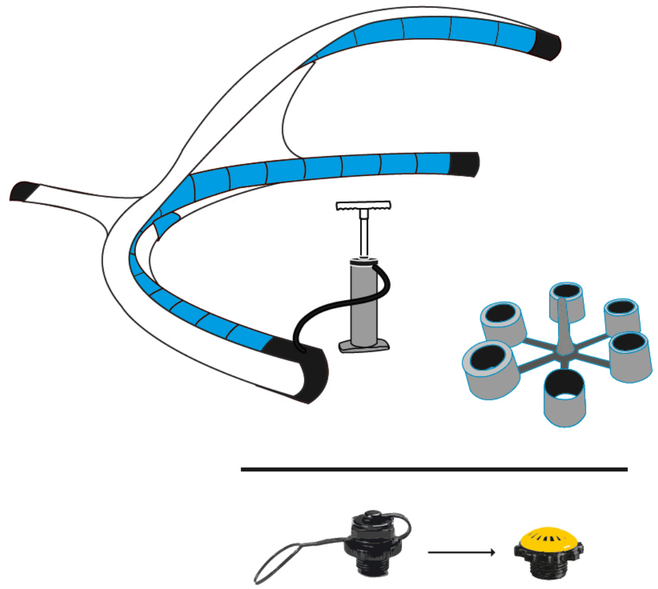
additional help in case of occuring or expected strong wind gusts

2. Choose the area where you will place the tent and inspect it for objects that may damage the tent or cause harm to people in the vicinity of the tent. Make sure that the place you chose is large enough for proper installation of anchoring.



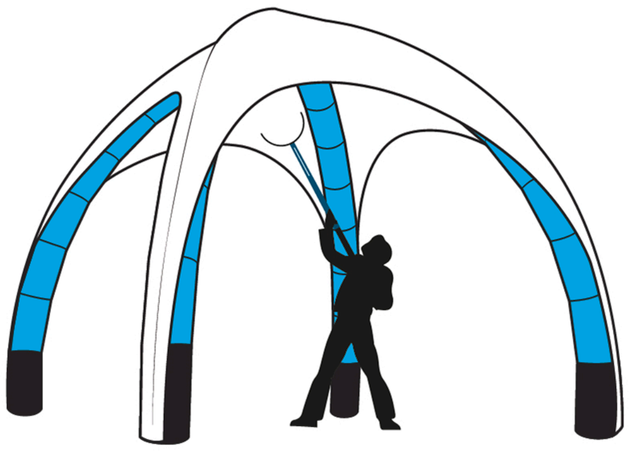
3. Spread the legs of the tent in the directions you want them to point after inflation. Do not stretch and pull the legs too much, they should lie down loosely.
Next inspect the valves, if they are screwed correctly.
In case the roof awning is not connected with zippers (or in case you're changing the awning to a new one) you should spread the legs as for the beginning of the tent setup and zip the awning to the legs, beginning at the bottom of the legs.

zipper beginning
zipper direction

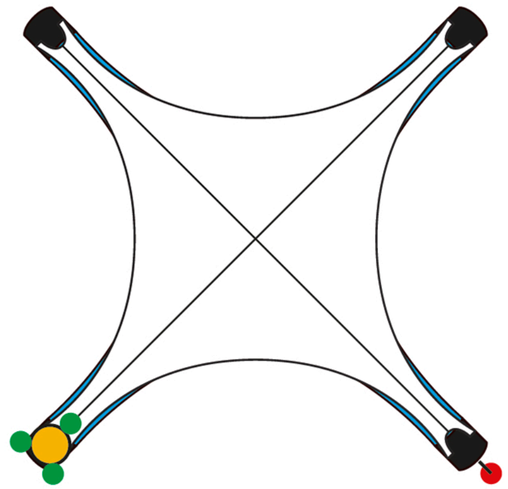


4. Fit in the end of the pump's hose into one of the valves and begin the process of inflation (you may need to use the adjustment fitting for the pump to fit the valve opening). The one-pump system will let the air to slowly fill in the remaining legs.
Once you judge the first leg is pupmed sufficiently to stand on its own replace quickly the valve for yellow overpressure valve (do it for one leg only) and switch to another leg. When you reach the fourth leg, be preparred - already during inflation - to help the tent to rise and stand on its own.
As the last step, check the air pressure does not exceed the indicated limit, close the valves and you're done!

User´s Manual Tent Setup - primary leg anchoring



5. Because of the size of tents 7x7 and 8x8 you may be required to help and push the mid-center section of the legs with the push-bar to assist the tent in reaching the desired vertical position.

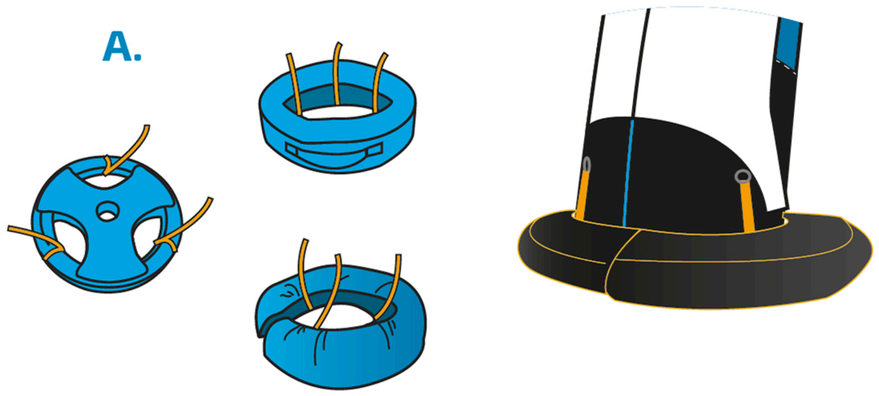


6. As soon as you set the tent's legs in the desired position you should secure the tent to the ground. You may choose one of two primary anchoring systems: ballasts or pins.
Red and green dots show where bottom leg anchors are located and this is where you make a primary anchoring of the tent's legs. The legs have anchor points for both single-point and tripple-point anchoring.

- single bottom-leg anchor **pins or water barrel**
- tripple bottom-leg anchor **sand / water / steel ballast**

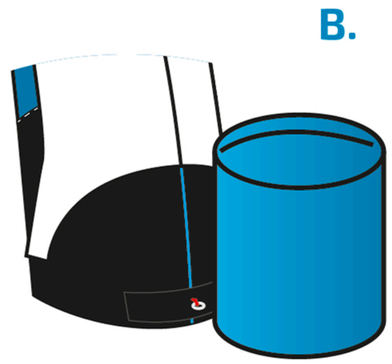
- tripple bottom-leg anchor

A.



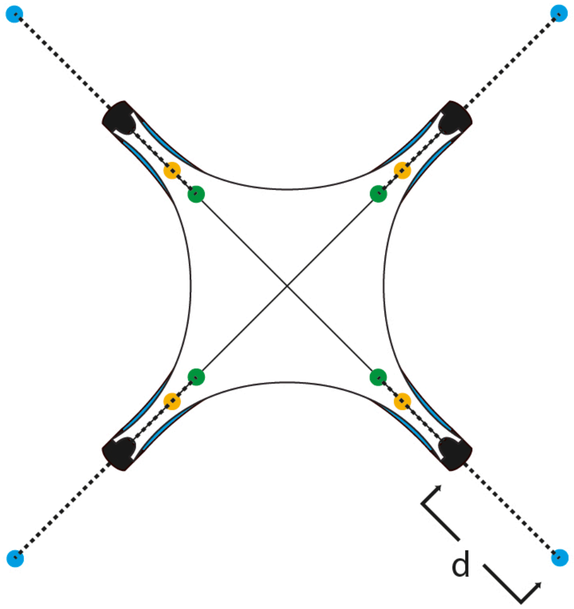
- bottom-leg anchor

B.



A. Securing tent legs with tripple anchor point weights: there are steel, water and sand tripple anchor-point ballasts. They are considered primary ballasts as they provide sufficient ballast for no wind to mild wind weather conditions (excluding 7x7 and 8x8 tents)
B. Securing tent legs with single anchor point water ballast: single barrel with water is another primary ballast. In stronger winds this - as well as tripple anchor-point ballast requires additional support with awning anchor ropes.

User´s Manual Tent Setup - awningy anchoring



rope anchor A

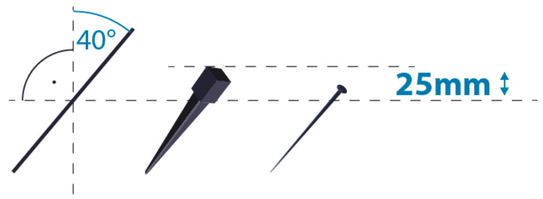
rope anchor B

7. Even though not necessary in milder winds, we strongly advise you to always use awning anchoring (together with primary anchoring). It provides better wind-resistance and secures the tent against sudden wind gusts.

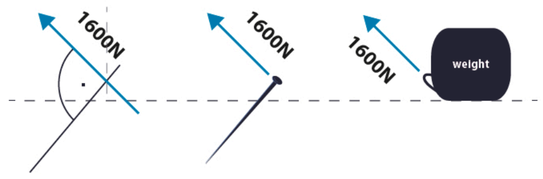
Here are the distances (d) of anchoring points for 'rope anchor A' and 'rope anchor B' (only in tents 6x6/7x7/8x8):

3x3	- 1,5m
4x4	- 1,5m
5x5	- 1,8m
6x6	- 2,1 m
7x7	- 2,6m
8x8	- 3,4m

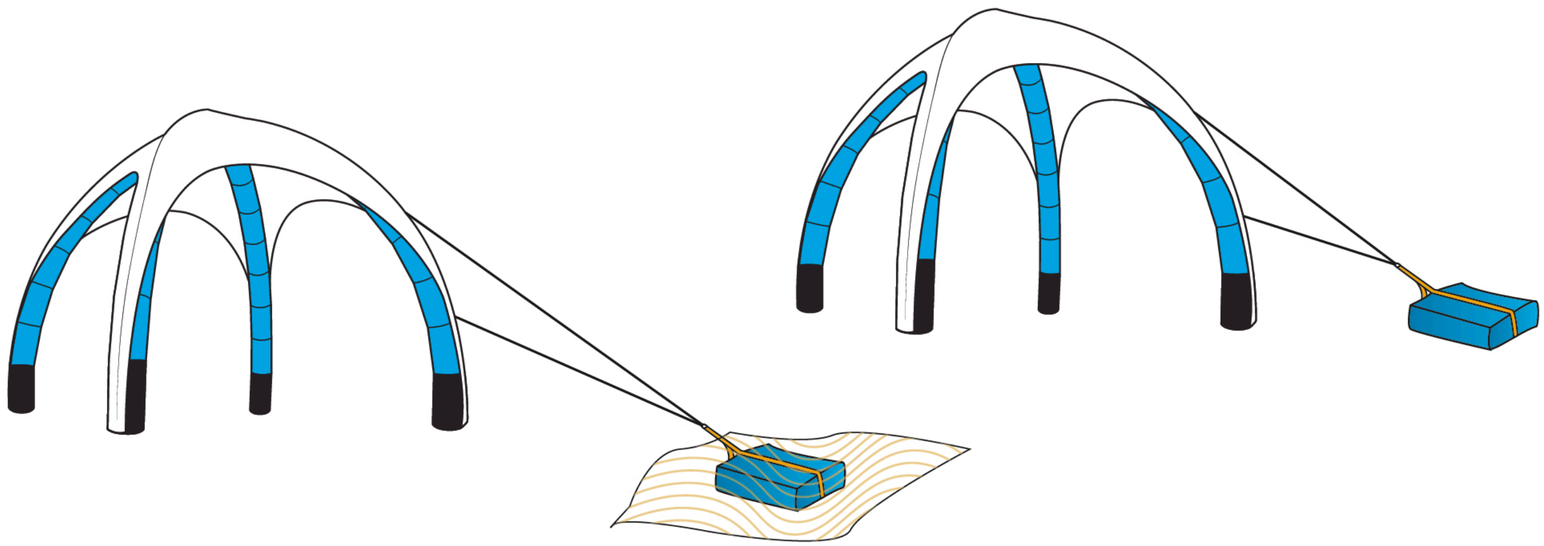
pin / peg hammering angle



force sustained by anchor point



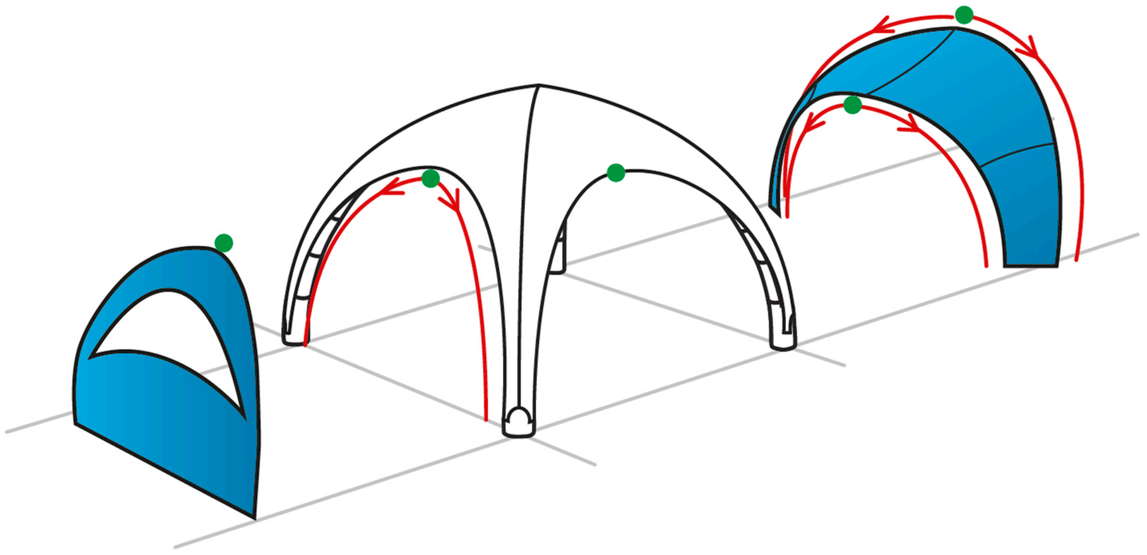
8. Pins and pegs should be hammered into the ground under 40° (±5°) angle and - ideally - stick out above the surface no more than 25mm. They need to sit firmly in the ground.
The ropes should be tightened (loose ropes do not fulfil their role). Both bottom-leg anchor-pins as well as the rest of ropes, pins and pegs must be secured / made readily visible to passers by to avoid accidents and body injuries.
When installed properly, all the anchor points should sustain 1600N pulling force. If, however, the ground is too soft or hard, you should provide other means of anchoring that meet the above requirments (e.g. sand bags, water ballast).



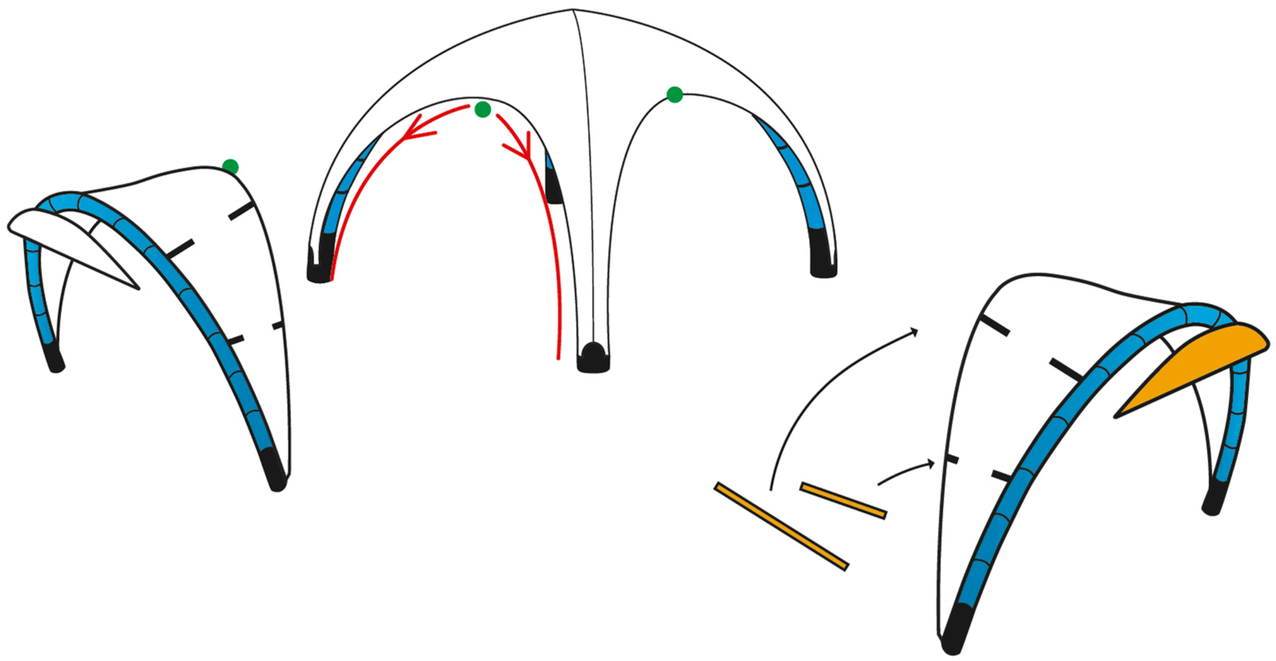
Sand bags XXL: these sand bags (designed to weight 110-125kg) are intended to provide stable base to anchor guy ropes. When using them at the beach we suggest you dig a hole and burry the weights under a 30-40cm layer of sand (especially when using 7x7 and 8x8 tents)

User´s Manual Setup - walls, tent connector & visor

Wall installation: Unfold the wall and and zip it beginning to the zipper in tent's canopy arch, beginning from top to bottom.
For tents 5x5 and 6x6 you may need to pre-zip the walls before inflation (close only a portion of the zipper 1-1,5m) and close the zippers fully after the tent is set up.
Tent Walls for tents 7x7 and 8x8 may require the same procedure with one difference - the zipper pullers have thin ropes to gently pull the zippers once the tent is inflated (remember to be gentle otherwise you may damage the zipper)



Tent Connector setup: Once both tents to be connected are inflated and positioned facing each other, unfold the connector and and zip it beginning from top to bottom connecting it to the tent-arches.
Connecting tents highter than 4x4 requires a ladder or another kind of platform to close the zippers.



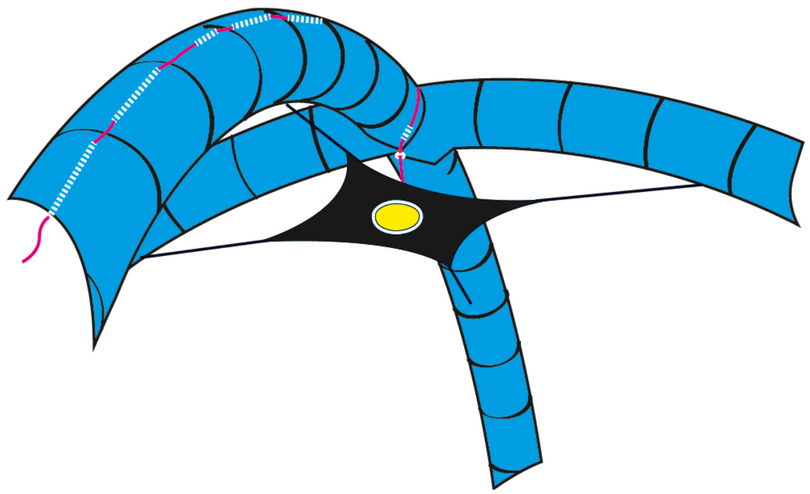
Visor setup:
(tents: 3x3 / 4x4 / 5x5 / 6x6)
Visor setup is similar to that of a wall. For tents 3x3 and 4x4 you may instal the visor after the tent is inflated, while 5x5 and 6x6 tents require either a ladder or partial pre-instalment of the visor.
Once the visor zipper is closed inflate the support bar and insert the fiber-glass stretch-bars into the sockets of the visor roofing.
Again, while 3x3 and 4x4 are fairly easy, 5x5 and 6x6 require pre-instalment of the bars before the tent is inflated or alternativelly require a ladder for proper and full visor setup.
Remember to pay extra attention and follow safety precautions when using ladder or a platform!

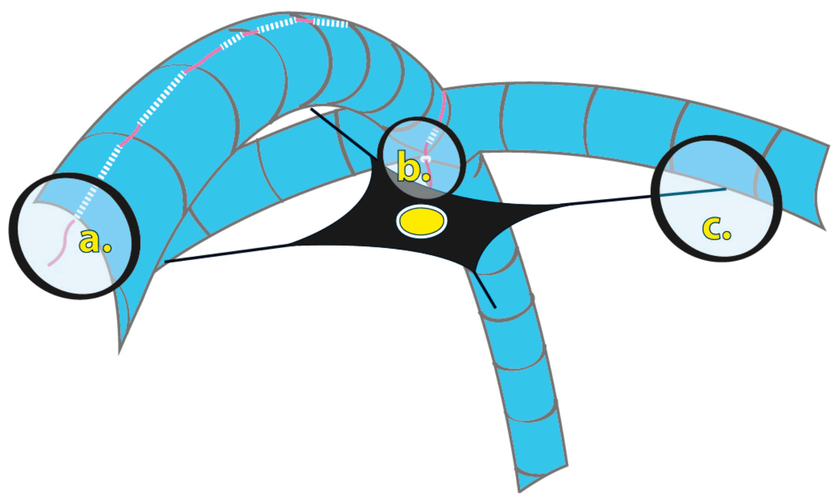
Visor Banner:
Visor banner is attached with a zipper and - the same as walls - allows for an easy and fast assembly and change.

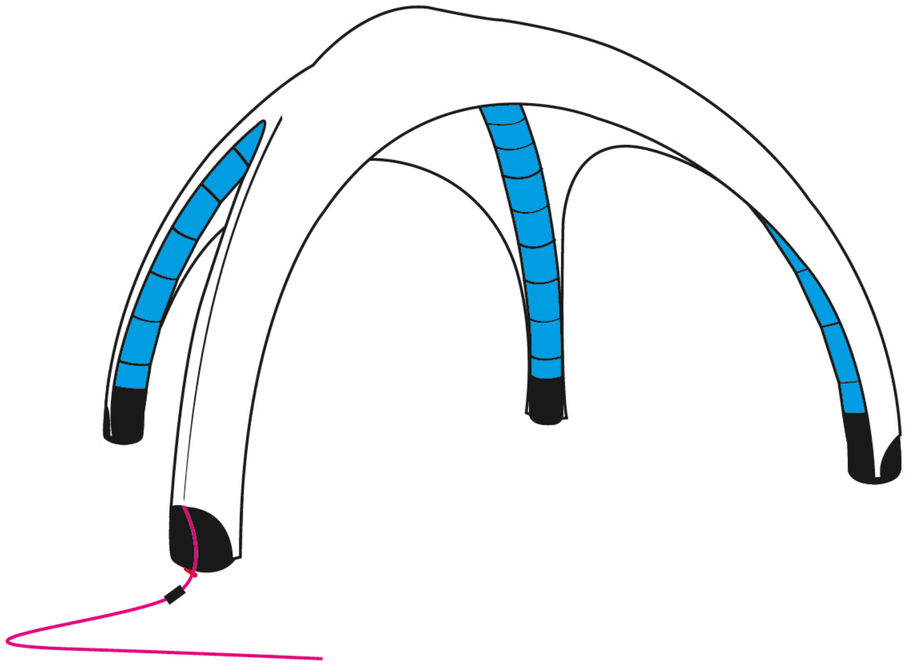
Again, as with walls and visors, you may need to preinstall the banner or else use ladder or a platform.

User´s Manual Setup - Light

Installing light is easy. First, strap the light cable to one of the legs using velcro straps located near the zipper connecting awning with leg cover **(a.)**. Next attach light arms to the anchor points on tent legs **(c.)**, connect the upper stripe to the metal frame attached to upper section of one of the legs and connect the cables at the top of the frame **(b.)**.







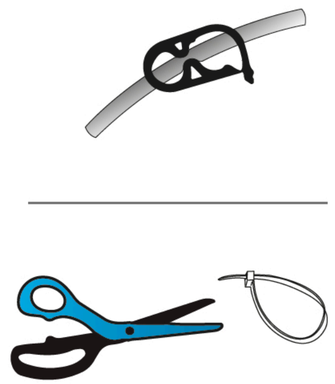
Finally attach the cable at the bottom of the leg to the adapter with the 230V cable **(d.)**.

Now You're set.

REMEMBER to protect the electric installation from humidity, rain, other damaging circumstances and objects!!!

User´s Manual Repair set and leaking bladder repair

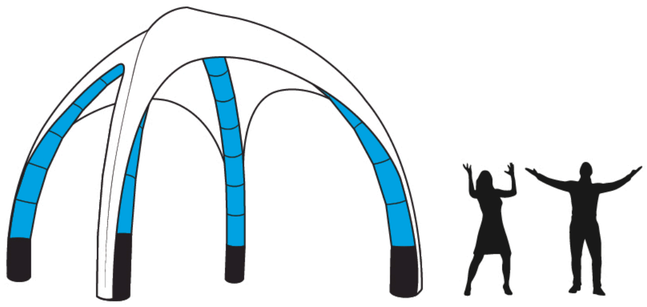
Repair Set contents:
1. spare overpressure valve
2. spare inflatioin valve
3. repair patches for leg and visor bladders
4. silicone rubber pipes + stopper clamp + cable ties for one-pump system connection
5. pair of airflow plugs for one-pump system valves
6. spare bladder for leg or visor (OPTIONAL)



Bladder repair A: Before you proceed with bladder repair make sure that the air leak is not due to a valve problem. Once you are sure it is one of the bladders proceed to identify the one that leaks - use the stopper clamps attached to rubber pipes to block the air flow and check each bladder separately.
Once the punctured bladder is located, cut gently the cable ties holding the rubber pipes of one-pump system, push all the valves inside the leg cover and pull the bladder out via one of the leg zippers (oposite each valve is a velcro patch which may keep the bladder from sliding out easily).

Bladder repair B: Before you begin the repair, make sure you located all the punctures, tears or abrasions. You should use airflow plugs to block the airflow through the one-pump system valves and search for leaks in perfect silence. Alternatively you may submerge part after part of the inflated bladder in water or sprinkle it thoroughly with non-agressive household detergent and search for bubbles of air leaking.

After you located all the holes dry and clean the repair area thoroughly. Next, patch over the pucture-place and press firmly. Finally let it cure for at least 4h before inflation test.



Bladder repair C: Finally, reassemble the tent in the following order:
1. Place the repaired (DRY!) bladder inside the leg cover (pay attention to the valve / velcro patches / one-pump system valve placement).
2. Push all the valves through the respective openings, attach velcro patches.
3. Install one-pump system with the use of silicone rubber pipe, cable ties and stopper clamp.
4. Inflate the tent beginning with the repaired leg and while doing so hit gently the half-inflated leg in several places to let the bladder set in its place.
5. Keep the tent inflated for a time to make sure there are no more punctures.

FOR MORE INFORMATION VISIT OUR WEBSITE OR CALL US.

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