



INFLATABLE MATTRESSES - INSTALLATION AND MAINTENANCE

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INTRODUCTION

Liski, thanks to its fifty years experience in the agonistic and touristic ski field, is an Italian Company active on the national and international market, with a full range of products for preparation of race slopes for alpine skiing, snowboard, freestyle, cross-country and biathlon; signs systems and security equipment for every type of ski slope and ski resort. Liski is present in motor sport, soccer, bike and other sports.

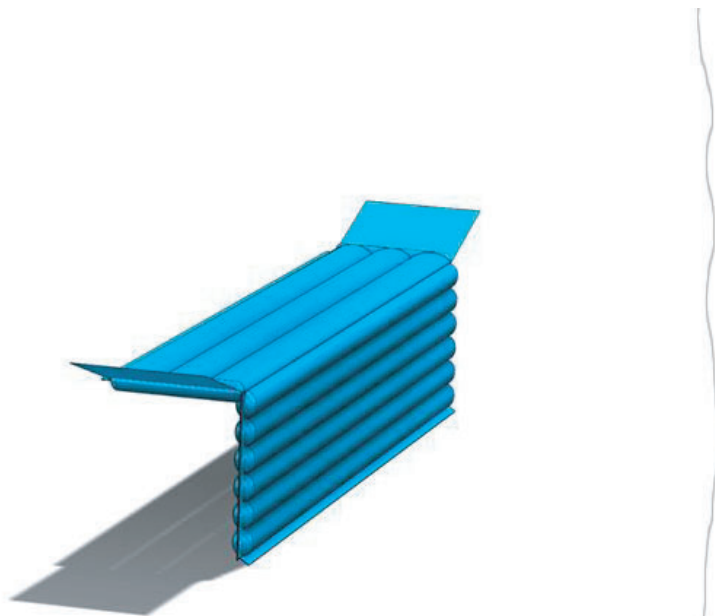
Liski main priority is the research for high-performance and safe materials, thanks to lead technologies and collaboration with World Cup circuit teams and ski resort experts.

Starting from the beginning of its activity, the strict synergy between Universities and specialized Experimental Search Laboratories ensured the preparation of safety materials, that are subjected to the laboratory crash tests, along with the extensive testing on the field.

INSTALLATION AND MAINTENANCE FOR INFLATABLE MATTRESSES

MODULE m. 8,00 x height 1,30 x thickness 1,30

These modules are composed of 2 mattresses; the one with odd black numbering on **ORANGE BACKGROUND (8 mt)**, **YELLOW BACKGROUND (5 mt)**, **GREEN BACKGROUND (3 mt)** is the part composing the roof and the front.



The one with even black numbering on **ORANGE BACKGROUND, YELLOW BACKGROUND, GREEN BACKGROUND** is the part composing the floor and rear



POSITIONING ON PALLET (SIZE CM 176X114X H 130)

The quantity of complete modules of 8m contained on a pallet is 4 pcs (8 mattresses)

The quantity of complete modules of 5m contained on a pallet is 6 pcs (12 mattresses)

The mattresses with even numeration (back) are positioned on a side of the pallet. The mattresses with odd numeration (front) are positioned on the other side.



UNLOAD PROCEDURE

To unload the pallets is required a forklift with shovels or similar.

POSITIONING ON THE GROUND/SNOW AND INFLATATION

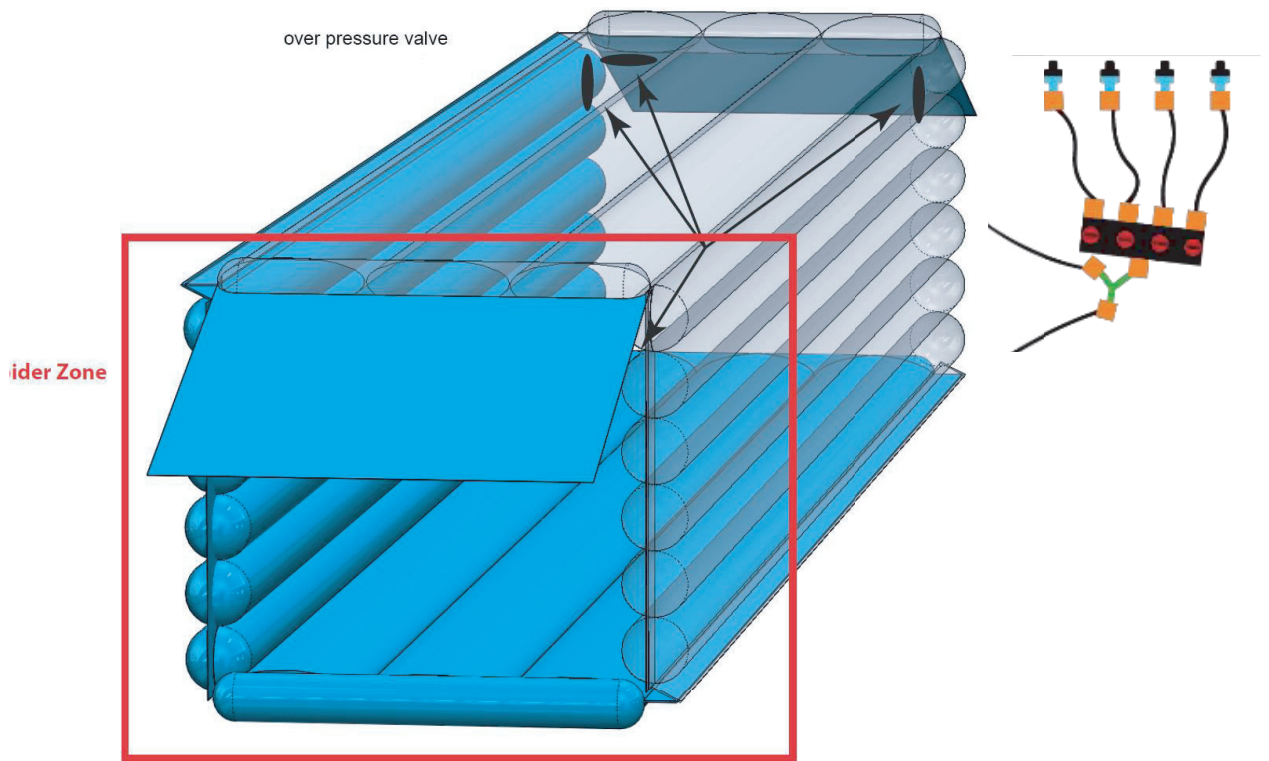
The mattresses must be lying on the ground by the following way:

A) placing the mattresses on the ground/snow, being careful to couple the mattresses of the same color (i.e., light grey with even number + light grey with odd number); The mattress with the odd numeration (with strip) towards the internal part of the slope.

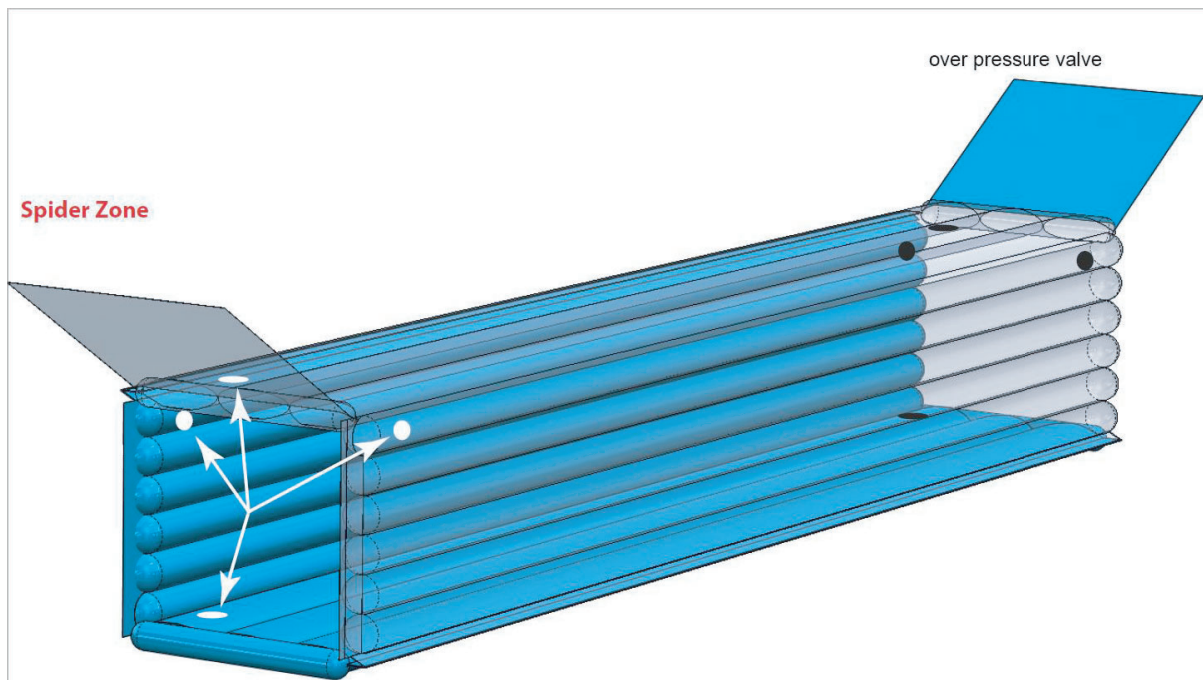
B) Join the 2 mattresses with the Rubber bands, to form a single module.

- ***PARTERRE USING:**

- c1) Mount the 4 over pressure valves (opposite side of the spider zone).



- c2) Inflate the mattresses with the blower machine.
- c3) Mount the 4 “quick connection” plugs in correspondence with the spider zone.



- ***Slope Using:**
- c1) Mount the 4 valves on one side of the mattress.
- c2) Inflate the mattresses with the blower machine.
- c3) Lock the mattress with other 4 valves on the opposite site.

- D) Positioning the modules according to the chosen position
- E) Drill the ground for fitting the support poles: a minimum of 30cm of snow is required for poles stability
- F) Fit the poles first through the PVC strips on the back of the module and then drive them into the ground with a hammer / sledgehammer

CONNECTION PROCEDURE FOR PERMANENT INFLATING SYSTEM (FOR PARTERRE AREA)

(For grey modules calculate a max of 5 modules for each power supply box/compressor)

(For blue modules calculate a max of 7 modules for each power supply box/compressor)

Components of continuous power kit:

- ☒ N°1 power supply plastic box with included:
 - N° 1 air compressor with 3 m of hydraulic tube provided with 1 Aquastop fitting + “3-way” hydraulic fitting
 - N° 2 Hydraulic extensions of 1m provided with Aquastop connector
 - N° 2 Aquastop tap
 - N° 1 electrical extension lead (50 meters long) with industrial sockets 220V
 - N° 1 “3-way” electrical fitting
 - N° 1 electric-industrial reducer

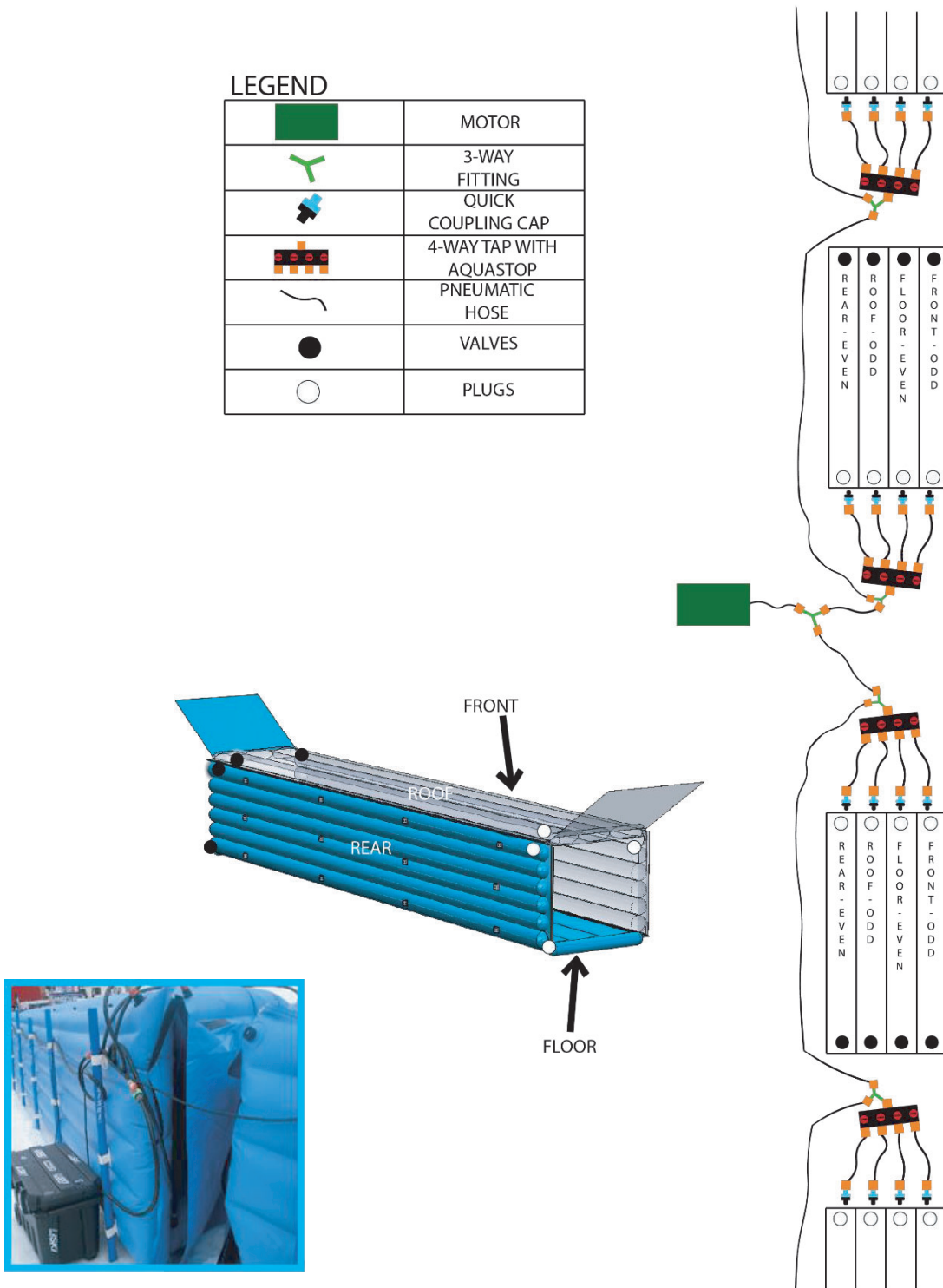
- ☒ Iron case/pallet, with included
 - pneumatic tube extensions (8.5 meters long) provided with 2 Aquastop fittings at the ends; quantity of tubes as the number of finish area modules + 1, to have 2 spare.
 - “spiders” composed by 4 tubes of different sizes and 4 Aquastop at one end + 1 quadruple tap and a “3-way” hydraulic fitting on the other; Quantity of tubes as the number of finish area modules + 1, to have 1 spare.

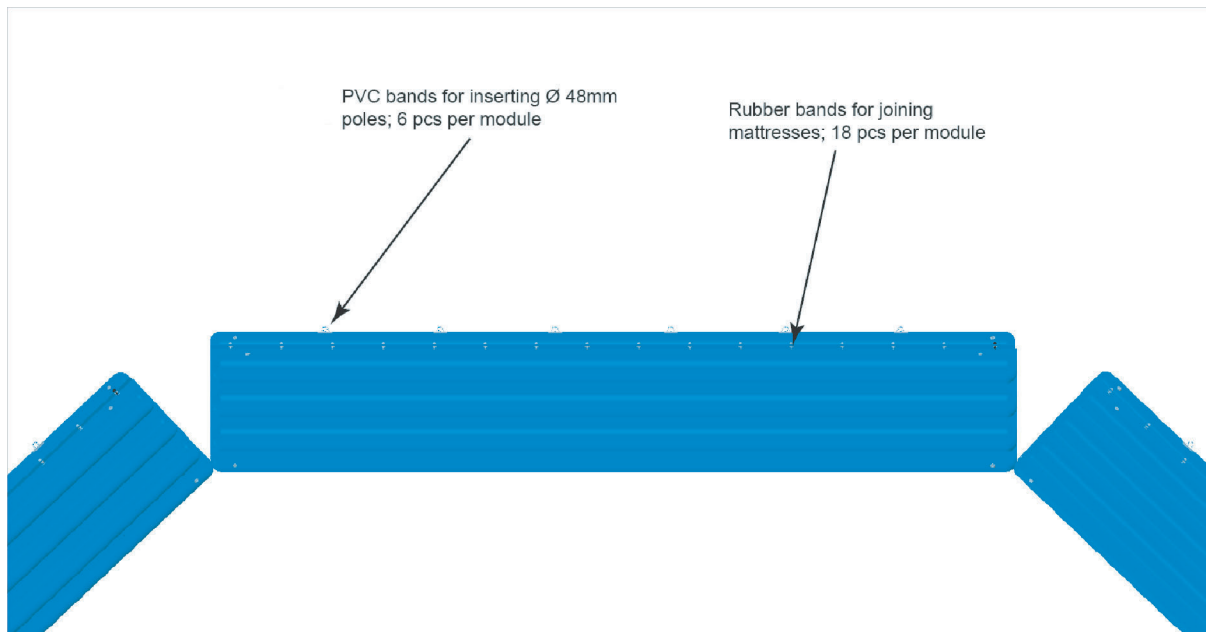
- ☒ “Quick connection” plugs (5 for each module, including 1 spare) in plastic bags.

- Place the compressor in the center of the row of modules and connect it to the 1st module, using the 3m hydraulic tube and the 1m extension and connect it to the "spider" using the "3-way" fitting; the 4 tubes of the spider will be connected to the 4 "quick connection" plugs.
- Connect the module opposite to the 1st, hooking the "spider" to the compressor using the 1m extension and the "3-way" fittings.
- Connect the 8.5m extension tubes to the spiders via the "3-way" fittings. The extensions will then power the subsequent modules through the relative "spiders".
- once reached the last "spiders" of the row powered by the power supply box, close the free aquastop fittings, using the aquastop faucet supplied.

LEGEND

	MOTOR
	3-WAY FITTING
	QUICK COUPLING CAP
	4-WAY TAP WITH AQUASTOP
	PNEUMATIC HOSE
	VALVES
	PLUGS





MAINTENANCE AND MANAGEMENT

When the mattresses are inflated, consider the different thermic condition (especially in the morning), and if necessary, deflate a little bit the mattresses too inflated, to avoid any tears of the “sails”.

Always check the pressure of the mattresses and, if necessary, inflating the deflated ones.

DEFLATATION

To deflate the mattress, remove the valve so the air can go out.

FOLDING

- Lay the deflated mattress on the ground, with the numbering looking to the ground (so that will be possible to see it once mattress will be folded)
- Dividing the module in 4 ideal parts 8m long (or 5m), start folding the external part on the internal parts.

(Warning: for the mattresses with the strips, the numbered strip must be on the external side with the numbering looking the ground, while the strip without number must be on the internal side of the module)

c) Placing himself on the side with the numbering (that it always looking the ground), fold the left half on the right half.

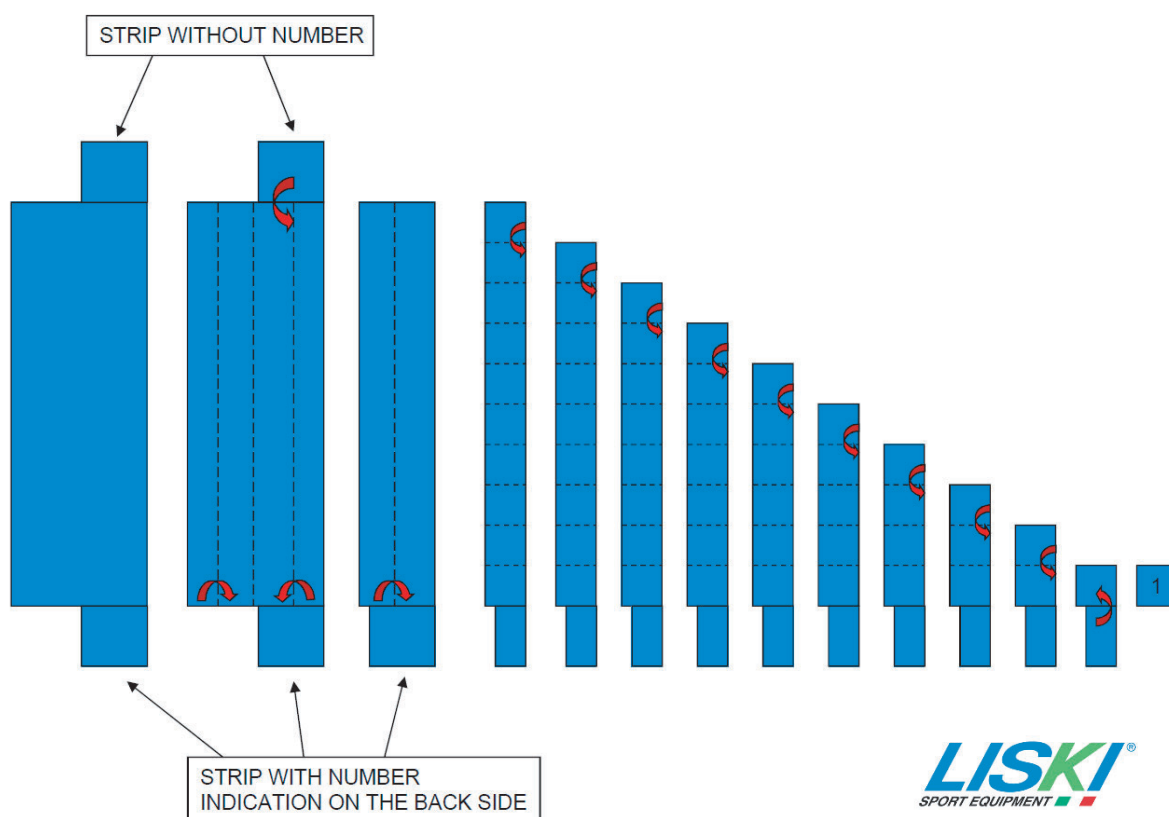
d) Starting of the opposite side of the numbering, “fold in a flat way” the mattresses, so it can go out more air possible, considering a start fold of 80cm long (absolutely avoid to roll the mattresses)

e) The folded mattress should have the following approx. size:

Length cm. 100

Width cm. 70

Height cm. 35



LOAD OF THE PALLETS

The load of the mattresses on the pallet must be done manually and very carefully.

Load the mattresses with the odd numeration on a side, and the even ones on the other side, being careful to couple the mattresses of the same color (e.g. light grey with even number + light grey with odd number):

Load the support poles on the apposite pallet.

Collect the fixing rubbers, valves and “plugs with quick connection” in the proper sacks.

LOAD OF THE PALLETS

