

MICHELIN

INFLATABLE SOLUTIONS

FARADAY ROOM

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INSTRUCTION MANUAL

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This file contains all our recommendations to guide you in the use of your new MICHELIN Inflatable Solutions product.

We recommend that you read it carefully before using your product for the first time, and refer to it if you have any doubts.

Our sales team will be happy to provide you with any further information you may require (e-mail: commerce@inflatable.michelin.com).

Product description

You have ordered a **Faraday room**. This product is designed **to shield against electromagnetic fields** (communication networks, Wi-Fi, testing environments, etc.). These instructions will guide you through all the steps involved in setting up your product.

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I. PRECAUTIONS FOR USE

1. Uses involving risks

- ✓ Do not use machinery or cutting equipment near the structure, as this could damage it.



- ✓ Do not use abrasive ballast (breeze block, stone, metal), as this may cause premature damage to the perimeter of the shelter.



- ✓ Do not bring the shelter into contact with flammable or corrosive products, as this may damage the structure.



- ✓ It is strictly forbidden to smoke or install a heat source under or near the structures.



2. Limited conditions of use

- ✓ The structure is intended for indoor use only, protected from weather and wind.
- ✓ Your product is inflatable, so there is a risk that one of the air chambers in your structure may develop a leak. In such a case, evacuate all individuals under the structure, dismantle it, and contact customer service at: sav@inflatable.michelin.com

I. PRECAUTIONS FOR USE

- ✓ A systematic inspection is recommended during the assembly of your structure. If any damage is observed, dismantle the structure and contact the product distributor.
- ✓ Reinflate regularly, especially after significant changes in temperature and atmospheric pressure.



II. CHECKING THE CONTENTS OF THE DELIVERY

Items included in a KIT :

- 1x transport bag (A)
- 1x structure (B)

OPTIONAL items :

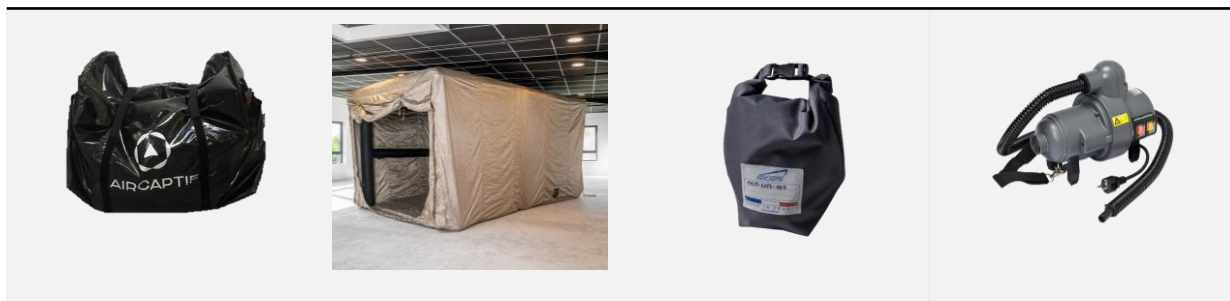
- 1x repair kit (C)
- 1x high-flow pump (D)

A

B

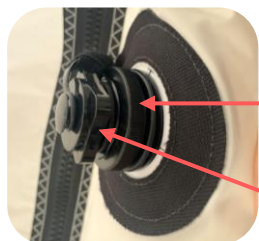
C

D



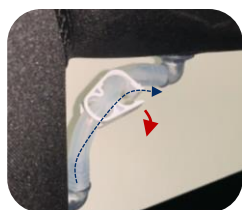
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III. LEGEND

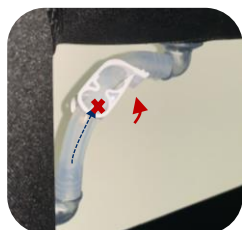


Lower ring for deflation

Upper ring (cap with non-return valve) for inflation



'Clamp open: lets air through (position when inflating/deflating)



'Clamp closed: does not let air through (position when structure is inflated)



Pump (with ' Main Motor' button to start inflation and ' boost ' button to speed up inflation)



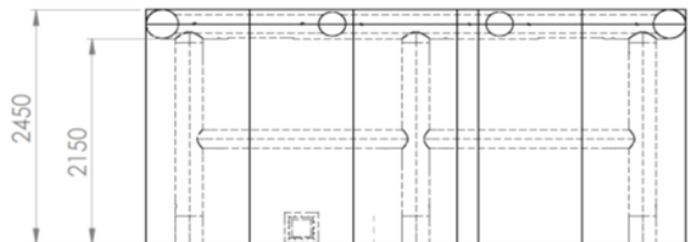
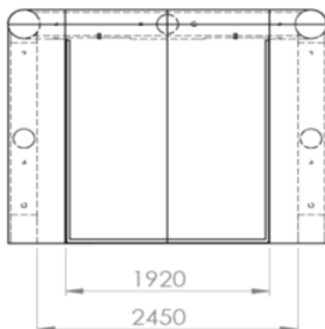
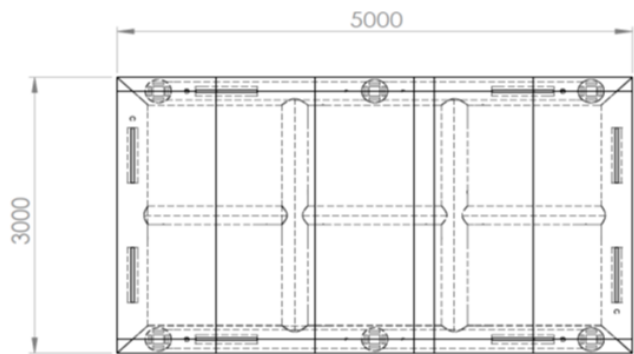
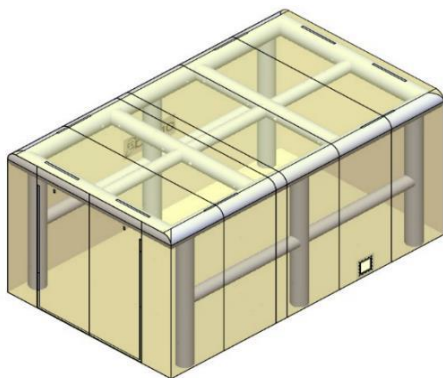
Please refer to the pump's instructions for use.

Do not open the integration zip (except in cases : where the structure is deflated for the purpose of repairing or replacing an air chamber).

IV. CHARACTERISTICS

Faraday Room (2 sizes)		
Length	5 m	5 m
Width	2,45 m	3 m
Height	2,15 m	2,45 m
Arch height	1,92 m	
Weight	35 kg (with transport bag)	
Storage	0.6 m x 0.6 m x 1 m	
Electromagnetic shielding	Single layer 30 MHz to 10 GHz: 80 dB	

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V. INSTALLATION

- i** Installation takes **15 minutes**.
1 person is required for installation.
220V/50Hz power supply(s) to connect the pump(s).

The main installation stages

- 1 Remove the product from its bag and lay it flat on the ground
- 2 Open the clamps and close the valves
- 3 Inflate the structure (frame and legs)
- 4 Adjust the structure
- 5 Install accessories

V. INSTALLATION

1. Take the structure out of the bag



2. Spread the structure on the ground

Choose a clean area for unfolding, free from elements that could cause damage (brambles, stakes, etc).

If necessary, don't hesitate to use a protective tarpaulin.

3. Open all the clamps

✓ Make sure all the clamps are open.

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Each structure is made up of several inflatable bladders connected together by tubes that can be closed using clamps. Together they form the **OnePump** system.

This system allows you to inflate the module at a single point (when the clamps are open), but also to block the propagation of any loss of pressure on one of the bladders (when the clamps are closed).



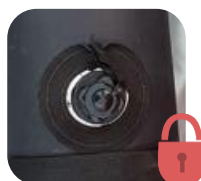
"Clamp open"
Lets air through
(inflation/deflation
position)



"Clamp closed"
Does not let air through
(position when the structure is
inflated)

4. Close all caps

✓ Ensure all valve caps are securely closed.



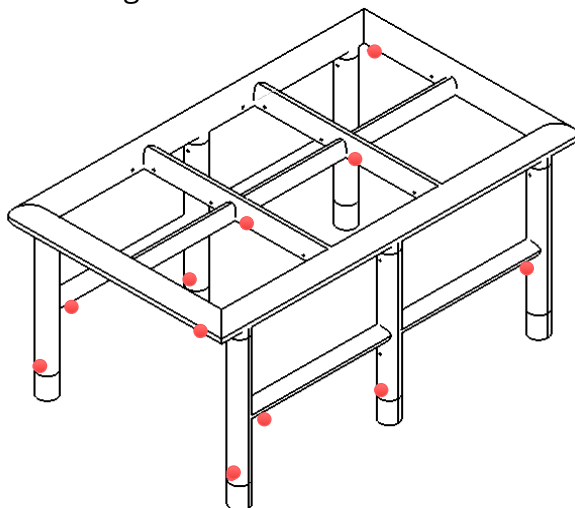
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V. INSTALLATION

5. Inflate the structure

The estimated inflation time is : **7 minutes**

Valve placement diagram :



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The upper frame

- ✓ Unscrew the upper ring of a valve on the upper frame.



- ✓ Connect the provided pump to this valve.
- ✓ Start inflation using the "Main Motor" button, then press "Boost" to accelerate.
- ✓ Once inflated, stop and disconnect the pump.
- ✓ Close the valve's upper ring.

V. INSTALLATION

The feet

- ✓ Connect the pump to one of the valves located on a foot of the structure.
- ✓ Start the pump by pressing the “*Main Motor*” button.
- ✓ Support the upper frame to help the structure rise.
- ✓ Push the feet against the fabric to stabilize them. The structure will then be able to stand on its own without support.
- ✓ Once the room is sufficiently inflated, stop and disconnect the pump.



6. Adjust the structure

- ✓ Attach flaps using Velcro to tighten the Faraday room fabric.

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7. Add LEDs

- ✓ Install LED strips in the designated channel.
- ✓ Connect the LED cable to an extension cord. A sleeve is provided for cable routing.



VI. DISMANTLING

The dismantling time is **30 minutes**.

1. Remove all accessories (LEDs, furniture, etc.)

2. Deflate the structure

Do not use the pump to deflate the structure, as this could damage it.

- ✓ Open all clamps and valves.
- ✓ Guide the structure to the ground.
- ✓ Let it deflate naturally.

3. Fold the structure

Do not jump or lie on the structure to deflate it.

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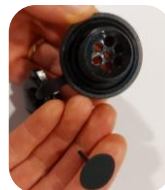
- ✓ Fold in half from foot to foot
- ✓ Fold again in half
- ✓ Once fully folded lengthwise, roll it up from one end to the other.



VII. PROBLEM SOLVING

If you encounter any of the following problems, please follow the recommendations below :

- The non-return valve detaches from the valve during inflation ⇒ Simply close the cap to obtain a good sealing, this valve is a safety device.



- Eyelets that recess ⇒ Pass a clamp/ wire through the groove in the eyelet. Reposition the eyelet in front of the hole, then pull on both ends of the clamp at the same time so that the eyelet is positioned and protrudes over the PVC protection. Pull on the clamp on one side so that the eyelet moves back into position. The PVC protection must be fully inserted into the groove all around the eyelet.



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- Inflation problem: the structure does not inflate, or inflates very slowly ⇒ check that the valves are closed properly.
- Inflation problem: the structure does not inflate ⇒ check that all clamps are open



- Leak on the structure ⇒ Clamp all components together to isolate the inner tube, which may be defective.
- Pull-out zipper teeth ⇒ Use a rigid object (wrench, stick, etc.) to align them.

To help you with small repairs, please refer to the repair guide, which can be consulted and downloaded from our website: <https://inflatable.michelin.com/en/after-sales-service-maintenance/repair-guide>

VIII.MAINTENANCE

1- Maintenance tips

Covers should be folded appropriately to maintain their watertight properties and prevent damage during storage.

You can wash the structure with a jet of water (avoid pressure washing). Use mild detergents: soap, dishwashing detergents, etc.

Let the structure dry before storing it in the transport bag

Inflation is guaranteed for 48 hours. Before each use, check the inflation.

A repair kit is included in your PACK. In the event of an inner tube leak, remove the tube from the textile sleeve, paying attention to the eyelets at the ends.

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These "eyelet" fasteners take the form of transparent plastic caps.

Clean the leak area with rubbing alcohol and leave to dry for 1 minute. Finally, apply the self-adhesive patch, pulling the bladder taut. Press the patch back and forth until it adheres, then replace the bladder in the textile sleeve, fastening the ends securely.

To ensure that the repair is complete, perform an initial inflation by isolating the freshly repaired bladder from the rest of the structure.

We recommend regular visual inspection of your product; if you notice any signs of wear, please contact our after-sales service : sav@inflatable.michelin.com

IX. WARRANTY CONDITIONS

The MICHELIN Inflatable Solutions guarantee lasts for one (1) year.

This guarantee covers the following defects:

Leaks from a defective weld.

Valve detachment or valve leakage.

The guarantee does not cover damage resulting from incorrect assembly, incorrect use or resulting from an external cause such as :

Normal wear and tear of components.

Damage due to external aggression.

Damage caused by transport, malicious damage, poor maintenance and in particular cleaning with unsuitable products (please refer to our assembly instructions), falling trees, etc.

To benefit from the guarantee, please send us a photo of the product with the reference number or a copy of your invoice to:

commerce@inflatable.michelin.com

Please note that the commercial guarantee does not deprive you of the provisions relating to the guarantee against hidden defects (articles 1641 et seq. of the French Civil Code) or the legal guarantee of conformity (L211-1 et seq. of the French Consumer Code).

The guarantee is limited solely to the replacement of parts (excluding labour) recognised as defective by our company, without any compensation or damages being claimed for material or physical damage caused.

In the event of a return, the following information must appear on the packaging:

Name and address of the sender
Name and address of the user
Number of our delivery note, invoice, quotation, dimensions of the shelter, reasons for the return.



IX. WARRANTY CONDITIONS

When acting under the legal guarantee of conformity, the consumer :

- ✓ has a period of two years from the date of delivery of the goods in which to take action
- ✓ may choose between repairing or replacing the goods, subject to the cost conditions set out in article L. 211-9 of the Consumer Code
- ✓ is exempt from having to prove the existence of a lack of conformity in the goods during the six months following delivery of the goods. This period is extended to twenty-four months from 18 March 2016, except for second-hand goods.

The legal guarantee of conformity applies independently of any commercial guarantee that may have been granted.

Consumers may also decide to invoke the warranty against hidden defects in the goods sold, as defined in article 1641 of the French Civil Code. In this case, they may choose between rescission of the sale or a reduction in the sale price in accordance with article 1644 of the French Civil Code.

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Article L. 211-4 of the French Consumer Code: "The seller is obliged to deliver goods in conformity with the contract and is liable for any lack of conformity existing at the time of delivery. He shall also be liable for any lack of conformity resulting from the packaging, the assembly instructions or the installation when the latter was made his responsibility under the contract or was carried out under his responsibility".

