

# SHIELDED FARADAY TENTS

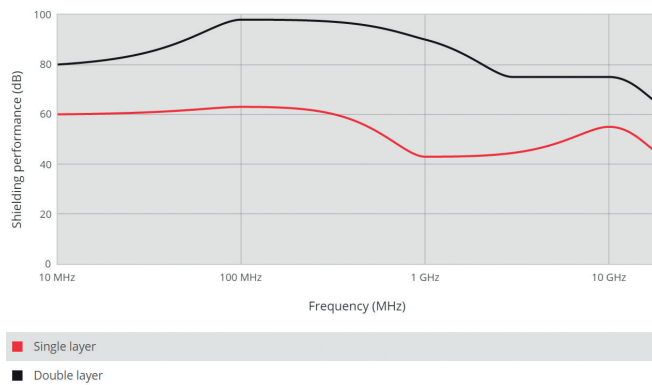
Cost-effective instant Faraday tent



The EMI/RFI-shielded Faraday tents are made of highly conductive, lightweight, and ultra-strong textile. By default the Faraday tents are delivered with multiple ropes so they can be easily attached to a ceiling, or they can come with a self-standing frame.

Typical applications are EMC experiments, RF measurements, mobile military or forensic activities, and personal protection in the field. Faraday tents offer a mobile solution for only a fraction of the cost compared to a conventional Faraday cage.

## SHIELDING PERFORMANCE\* (DB)



## APPLICATIONS

- Computer and cell-phone forensics
- Military field or embassy use
- Secure or TEMPEST communication
- Radar-jammer protection
- Electromagnetic allergy / electro-smog
- Pre-compliance testing
- Temporary EMI shielding
- Reverberation chamber (RVC)
- Mode-stirred chamber (MSC)

## ADVANTAGES

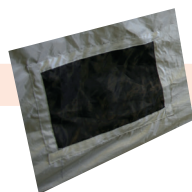
- Easy to mount and move, mobile laboratory
- Any size possible
- Optionally supplied with a rigid reinforced floor
- Single-layer Faraday tent: 40-60 dB up to 22.5 GHz
- Double-layer Faraday tent: 70-90 dB up to 22.5 GHz

## OPTIONS

- Aluminum or reinforced mounting frame
- Shielded ventilation
- Waveguide for data transfer
- Cable sleeve for entry of filter cables
- Woven mesh ventilation panels
- Lighting for inside the tent
- Shielded signal- and power line filters
- Optionally supplied with a rigid reinforced floor and door for heavy load
- Many other options on request



Mounting frame



Shielded ventilation



Wave guide & power line filter



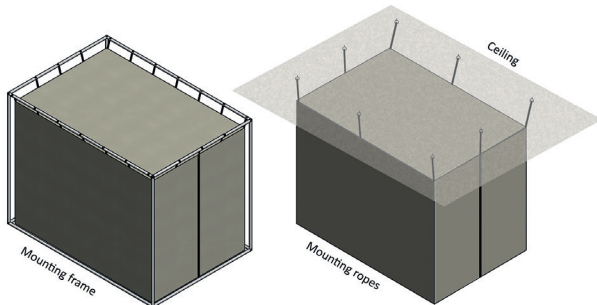
Shielded window



Power connection inside

## » SHIELDED FARADAY TENTS

### MOUNTING OPTIONS



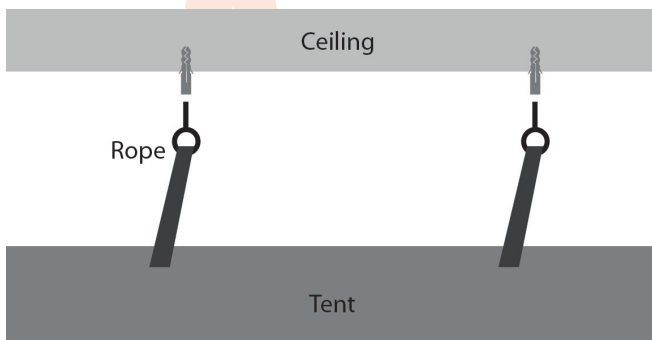
Our Faraday tents can optionally be supplied with a mounting frame so they can easily be set up as a stand-alone structure almost anywhere, but they are usually supplied with mounting ropes to attach to a ceiling. Mounting ropes are generally used when the Faraday tent is installed inside a building in a permanent location.

### ACCESS TO THE TENT

The typical entrance of a tent is a split door with a magnetic closing system. The closure with magnetic strips ensures superb electrical contact. For large tents, it is possible to turn a whole side into a door. If necessary, the entrance can also be equipped with conductive Velcro strips.

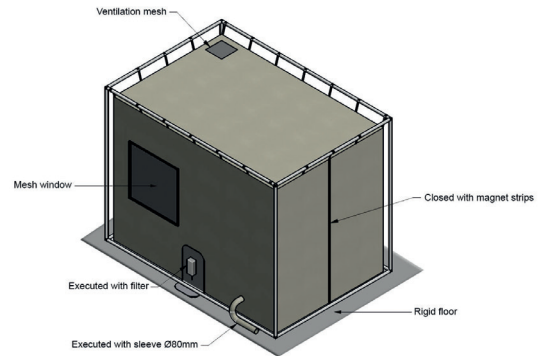


Adjustable rope to frame



Adjustable rope to ceiling

### ADDITIONS (ON REQUEST)



As illustrated in the technical drawing above, our Faraday tents can be supplied with the following options:

- Rigid floor for heavy load (metal floor)
- Solid floor for medium load (wood)
- Shielded ventilation mesh / AC
- Cable sleeve for entry of filtered cables,  $\varnothing$  80mm
- Shielded mesh window for visual contact
- Standard closure with magnet strips
- Power-line or signal-line filter according to your specifications
- Led light inside (battery powered)
- Led light inside (with power line filter on the net)
- Data transmission filter (optical conversion, including wave guide)
- Packing/transport bag
- Many other options on request

Please note: when you want to enter the tent with heavy equipment like vehicles, planes, tanks you need a rigid floor and a tent with magnetic strips to the bottom so that the entrance to the tent can be fully opened.

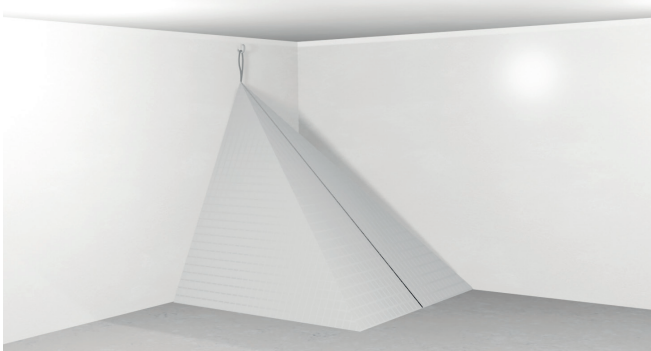


## STANDARD SIZES / SHAPES

We have a number of Faraday tents in standard sizes and shapes in stock. In addition, almost any size and shape can be made on request. Feel free to send us a technical drawing of the desired Faraday tent.

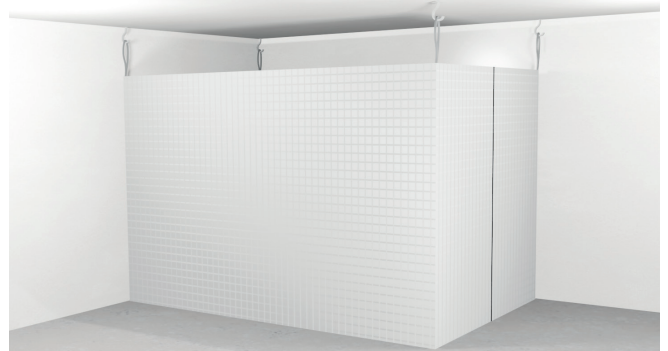
**Please note :** All measurements given in the tables below are outer dimensions. In a dual-layer tent, approximately 10 cm is lost on the inside of the tent. So when you order for example a 2 meters wide double layer shielded tent, the inside wide will be 1.90 meters

### SINGLE-POINT WALL VERSION (SPW)



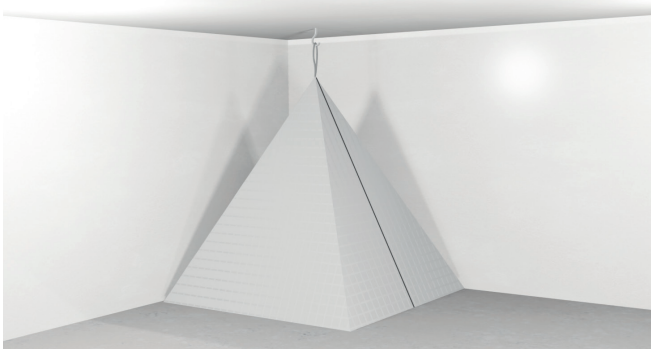
Type	Size	Ordering code
Small	1 x 1 x 2.3 meters	P-1x1x2.3
Medium	2.5 x 2.5 x 2.3 meters	P-2.5x2.5x2.3
Large	3 x 3 x 2.3 meters	P-3x3x2.3

### RECTANGULAR (R)



Type	Size	Ordering code
Large	2.5 x 3 x 2.3 meters	R-2.5x3x2.3
Extra large	3 x 2 x 2.3 meters	R-3x2x2.3
Jumbo	5 x 3 x 4 meters	R-5x3x4

### PYRAMID (P)



Type	Size LxWxH	Ordering code
Small	1 x 1 x 2.3 meters	P-1x1x2.3
Medium	2.5 x 2.5 x 2.3 meters	P-2.5x2.5x2.3
Large	3 x 3 x 2.3 meters	P-3x3x2.3

**Please note :** any other size on request

## ORDER EXAMPLE

Product	Shape	Width (m)	Depth (m)	Height (m)	Layers
Shielded tent	SPW : Single-point wall P : Pyramid R : Rectangular	The width of the tent in meters	The depth of the tent in meters	The height of the tent in meters	1 : Single layer 2 : Double layer