

RF/EMI Shielding Portable Enclosures

Select Fabricators' RF/EMI Shielded Portable Enclosures allow easy set up and break down for quick deployment when and where the enclosure is needed. As an affordable alternative to traditional hard wall rooms, SFI's soft wall enclosures match shielding effectiveness in comparison. Independent testing to IEEE® 299 of a complete assembled tent system including installed components, resulted in a minimum signal attenuation of -85.7 dB over a range of frequencies from 400 MHz to 18 GHz measuring through the wall at multiple locations. Customers choose from an SFI standard size enclosure or opt to have an enclosure designed and built to custom specifications.



Optimum Protection

Manufactured using NovaSelect™ RoHS Compliant silver/copper/nickel conductive fabric and single door (US Pat. No. 9,029,714) or double door (US Pat. No. 8,530,756) patented seal system. The double magnet strip closure delivers maximum isolation.

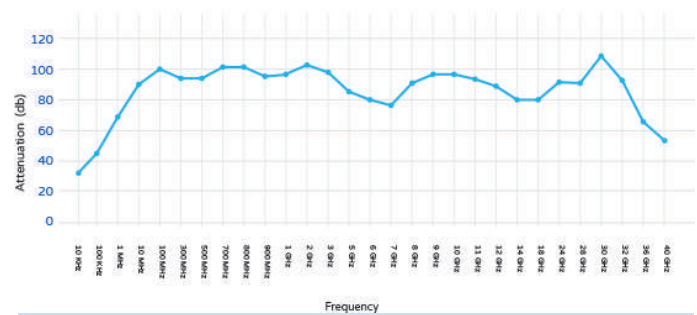


Construction

Made in the USA, SFI's RF/EMI Shielding Enclosures' exterior fabric walls are Nova Select™ conductive silver/copper/nickel RoHS compliant material. This fabric has average shielding effectiveness of -85 dB in the range of 30 MHz to 1 GHz and averages -90 dB in the range of 1 GHz to 11 GHz. (See chart below.)



Shielding Effectiveness of Double Layer Nova™



Industries Served

Aerospace & Defense

Automotive

Commercial Wireless

Computer & Cellular Forensics

Homeland Security

Industrial Wireless

Law Enforcement

Military

Technology Sectors

3G, 4G, 5G, LTE, Cellular, Bluetooth, Zigbee, Mesh

802.11a/b/n Commercial Enterprise, WLAN, WiFi

EMC Pre-compliance

LF/UHF RFID

Medical Equipment Testing

Satellite Communications

Secure Communications/SCIF

Wireless Device Testing

RF/EMI Shielding Portable Enclosures

LIGHTWEIGHT POP-UP OR SEMI-PERMANENT FRAMES:

SERIES 100 FRAMES



Easy-up steel frame. From 8' x 8' to 10' x 20' with adjustable height. are available. See chart to Custom sized enclosures the right below for standard sizes.

SERIES 300 FRAMES



Rectangular heavy-duty aluminum frame. With a wide range of structural profiles, frames are configured to meet enclosure size and weight requirements. Excellent for large sized tents and cleanroom applications.

SERIES 500 FRAMES



Round heavy-duty aluminum frame. The easy "socket connection principle" of the internal tension system reduces construction assembly to a minimum. A connection is established effortlessly by simply tightening a clamping screw.

PATENTED DOOR SYSTEMS



Single door, US Pat. No. 9,029,714 or double door, US Pat. No. 8,530,756 patented door seal systems deliver maximum isolation. Reduces RF/EMI leakage for enhanced performance.

I/O FILTER PLATE



Choose from an integrated I/O Filter Plate with standard or high attenuation power filter. Provides a power line and optional filtering for Ethernet and USB. Custom multiple filter and connector options are also available which can include: SMA, BNC and Fiber Optics, etc.

SPECIFICATIONS

All enclosures and material are **MADE IN THE USA**

- Standard sizes and configurations available
- Custom sizes and configurations available

Standard enclosures include:

- Conductive floor between two layers of heavy duty tarp
- 40" x 54.5" double or single door patented seal system
- Enclosure Storage Bag

OPTIONS

- Cleaning in SFI's on-site ISO class 7 clean room
- Door Sizes 5' x 5' and larger
- ESD white interior liner
- Filter plates
- High attenuation power filters
- Cable sleeves
- Frame roller bags and hard travel cases
- LED interior perimeter lighting OR EMI hardened string lights
- Ventilation system
- Air conditioning
- Vestibule
- RF shielded viewing window

STANDARD ENCLOSURE/FRAME SIZES					
Enclosure Size			Frame Size		
Length (feet)	Width (feet)	Height (feet)	Length (feet)	Width (feet)	Height (feet)
7'	7'	6' 6"	8'	8'	8'
7'	7'	8'	8'	8'	9' 7"
9'	9'	6' 6"	10'	10'	8'
9'	9'	8'	10'	10'	9' 7"
9'	14'	6' 6"	10'	15'	8'
9'	14'	8'	10'	15'	9' 7"
9'	19'	6' 6"	10'	20'	8'
9'	19'	8'	10'	20'	9' 7"
9'	19'	10'	10'	20'	11' 7"
4'	4'	6' 6"	5'	5'	7'



SELECT™
F A B R I C A T O R S

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