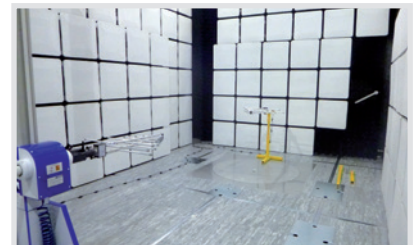


HyPyr-Loss™ Ultra Hybrid Absorbers

UH Series



- Super broadband reflectivity performance
- Long life without degradation = 35 years



UH Absorbers in a Fully Compliant 3m chamber

SOLUTION FOR

- EMC/EMI chambers
- Mixed-use test facilities
- Pre-compliance & full compliance testing

Main features

Shape

- Hybrid Pyramid Absorber

Material

- Polypropylene

Frequency bands

- From 30 MHz to 40 GHz

Standard base size

- 1.97' x 1.97' (60 x 60 cm)

Height

- 30 cm to 75 cm

Service Temp

- 90°C

The benefits of ULTRA UH Polypropylene Absorbers

- Super Ultra-Wideband Electromagnetic Absorber
- High Quality and High Performance
- Lightweight and Strong (maintains shape)
- Superior Product Lifetime (over 35 years)
- Optimum Impedance Match with Ferrite Tiles
- Impervious to Changes in Humidity (non-hydroscopic)
- Modular and Easy to Install
- Optimum Isotropy (uniformity in all orientations)
- Extremely Low Maintenance
- Eco-friendly Green Products

MVG-EMC offers a full array of high-performance/low-cost absorber materials specifically designed to meet the increased performance demands of today's EMC testing requirements. The HyPyr-Loss™ product line includes absorbers that satisfy all of today's EMC applications. Whether your testing regiment requires radiated immunity, emissions or a combination, ask our design engineers to help you select the right absorber for your application.



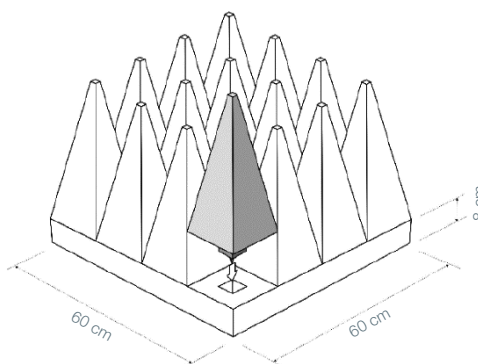
Ferrite Hybrid Technology

ULTRA UH series polypropylene based hybrid electromagnetic absorbers are the latest technology for EMC/RF test applications. The polypropylene material has a highly uniform carbon density, throughout the material, which provides for more predictable results with no discontinuities. It is the unique production technology which is the critical factor in achieving the highest electromagnetic reflectivity performance in an MVG test chamber.

UH series absorbers are accurately produced by using precise moulding techniques that ensure all products have the same shape and size, which is a very important feature for fast installation and, a high quality finish to the chamber interior. The UH series includes several different model designs UH30, UH50 and UH75. This enables each of the test ranges to achieve full compliance as per CISPR 16, ANSI C63.4, IEC61000-4-3 and other international standards. The UH series provides an exceptional wideband performance for EMC test chamber applications in the frequency range from 30 MHz to 40 GHz and above.

Ordering code

UHXX, where XX designates absorber height in cm.



ULTRA UH Hybrid Mechanical drawing

Specifications

		UH30	UHC30	UH50	UH75
Height	cm	30	30	50	75
Absorption @ Normal Incidence	@ 30 MHz	21.5	25.5	25.5	25.1
	@ 100 MHz	21.0	38.0	38.0	36.2
	@ 300 MHz	16.5	19.5	19.5	24.0
	@ 500 MHz	18.2	16.0	16.0	22.0
	@ 700 MHz	22.7	22.8	18.6	23.3
	@ 1 GHz	20.4	38.3	23.5	26.1
	@ 3 GHz	17.3	41.3	26.1	28.5
	@ 6 GHz	21.6	45.4	30.5	35.2
	@ 10 GHz	25.6	47.3	36.9	42.8
	@ 13 GHz	26.4	47.0	40.1	44.6
@ 18 GHz	37.2	44.7	49.3	51.2	
RF Power handling	1 kW/m ² or 600 V/m				
Weight	kg	1.9		4.1	5.3
No. of Pyramid points		36		16	9
Fire retardancy	DIN4102 Class B2				

Product note: UHC30 (High Carbon) has a specifically enhanced reflectivity to meet very high sVSWR emission performance when used as floor absorber.



Powered by



Contact your local sales representative for more information

www.mvg-world.com/emc
salesteam@mvg-world.com