

ABSORBER WEDGE ABSORBER



WEDGE ABSORBER

- Numerically Optimized Design
- 1.0 W/in² or Greater Power Handling Capability (Dependent Upon Frequency and Duration)
- Fire Retardant
- FlexSorb™ Option Available

ETS-Lindgren's Wedge Absorber effectively reduces reflections between 30 MHz and 100 GHz and its RF reflectivity levels are the same as its equivalent sized pyramid absorber. Wedge absorbers are used in areas of chambers where pyramid absorbers would provide too much backscatter under specific configurations.

ETS-Lindgren guarantees its EHP absorbent material meets specified standards for material fire retardancy. Wedge absorber can also be provided in transitional parts from one size to another providing a continuous line in the absorber, i.e. a 12.7 cm (5 in) wedge to a 31.1 cm (12.3 in) wedge. These parts are typically 61 cm x 12.9 cm (2 ft x 4 ft) or 61 cm x 182.9 cm (2 ft x 6 ft) long and used in tapered or compact range chambers.

Power Handling Capability

Wedge absorber's power handling capability is 1.0 W/in² or greater, dependent upon frequency and duration.

Optional FlexSorb Treatment

FlexSorb enjoys the same excellent performance characteristics as our traditional absorbers, with the advantages of improved durability. FlexSorb is a special absorber treatment that allows an absorber to bend but not break. It's ideal for high traffic areas like chamber doorways and interior walls, or for tests that require an anechoic floor treatment. FlexSorb is also non-hygroscopic so its weight does not change in the presence of atmospheric moisture.

Technical Specifications

Electrical

Model	Frequency	Test Frequency
EHP-3WGCL	4 GHz	40 GHz
EHP-5WGCL	2 GHz	40 GHz
EHP-8WGCL	1 GHz	40 GHz
EHP-12WGCL	1 GHz	40 GHz
EHP-18WGCL	500 MHz	40 GHz
EHP-24WGCL	200 MHz	40 GHz
EHP-36WGCL	80 MHz	40 GHz
EHP-48WGCL	80 MHz	40 GHz

Technical Specifications

Physical

Model	Absorber Height
EHP-3WGCL	8.3 cm (3.25 in)
EHP-5WGCL	12.7 cm (5.0 in)
EHP-8WGCL	21.6 cm (8.5 in)
EHP-12WGCL	31.1 cm (12.25 in)
EHP-18WGCL	46.4 cm (18.25 in)
EHP-24WGCL	61.0 cm (24.0 in)
EHP-36WGCL	91.5 cm (36.0 in)
EHP-48WGCL	121.9 cm (48.0 in)