

category	acoustic screens
description	VariScreen
part code	GRG830-GRG840



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**GRG830/GRG840 VARISCREEN** is a superb free-standing variable acoustic screen with a broad bandwidth absorber on one side and a flat binary amplitude acoustic diffuser on the other.

The hinged upholstered panel can be positioned and adjusted with a Variable Depth Air Cavity to control low frequency modal problems.

The VariScreen is designed for difficult-to-treat rooms in which surface application is not possible and flexibility is paramount. Acoustically problematic trade show demo rooms are easily tamed with the VariScreen as well as almost any critical listening or performance space – commercial or domestic.

### Benefits

The VariScreen provides:

- broad bandwidth absorption
- two-sided absorptive or diffusive performance
- variable frequency bass control
- two hinged upholstered panels
- flexible and adaptable positioning
- variable depth low frequency control
- free-standing – can be used in temporary situations
- stores flat
- modular and versatile
- design element – colour choice.

### Applications

All critical listening rooms, including:

- recording studios
- vocal booths
- home theatres
- quality control rooms
- CD mastering, film mix and dubbing stages
- music practice rooms.

### Bespoke

The VariScreen can be supplied with flat stainless steel feet if required.

For more exposed and hectic situations, the units can be manufactured with a metal surround for protection from knocks.

### Technical Specification

Product	GRG830/GRG840 VariScreen
Standard Size – GRG830	2000mm (H) x 1200mm (W) x 78mm (D) fully open (2.4m <sup>2</sup> )
Standard Size – GRG840	1800mm (H) x 1800mm (W) x 78mm (D) fully open (3.24m <sup>2</sup> )
Weight	30kg+
Standard fabric	Cara fabric – choice of colours
Other fabrics	Call to discuss options

**NB:** Castors add another 60mm to the height

### Installation

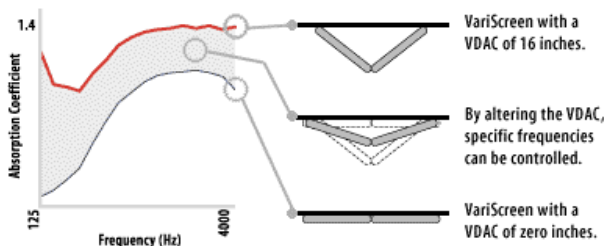
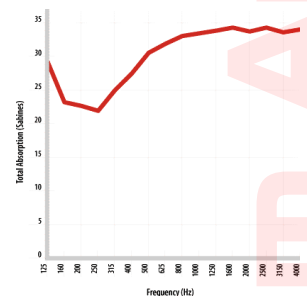
The VariScreen is a hinged, free-standing panel which supports itself by adjusting the panel opening angle. By making the angle smaller and increasing the depth of the air cavity, more low frequency absorption can be obtained. Corner mounting is also very effective for low frequency control. When not in use, the VariScreen stores flat.

In home theatres, the rear air cavity is very powerful in tailoring the room's bass response.

They can also be used as free-standing screens in front of windows, in corners, or as room dividers (with the option of flat feet rather than castors).

### Acoustic Performance

The graph (right) illustrates the total absorption, in Sabines, for each VariScreen mounted along a wall with the height of the triangle being 16" (40.6cm). Three panels covering 74ft<sup>2</sup> with the absorption side facing the room were used for the test. The absorption coefficient, which is equal to three times the number of Sabines divided by 74ft<sup>2</sup>, is also shown. The VariScreen's NRC is 1.2.



**LEFT:** Note the uniform mid- and high-frequency absorption with a 'tunable' low frequency peak to help control bass build-up.

By adjusting the position, distance from the wall and the Variable Depth Air Cavity, the VariScreen can be used to control even the most problematic rooms.

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