



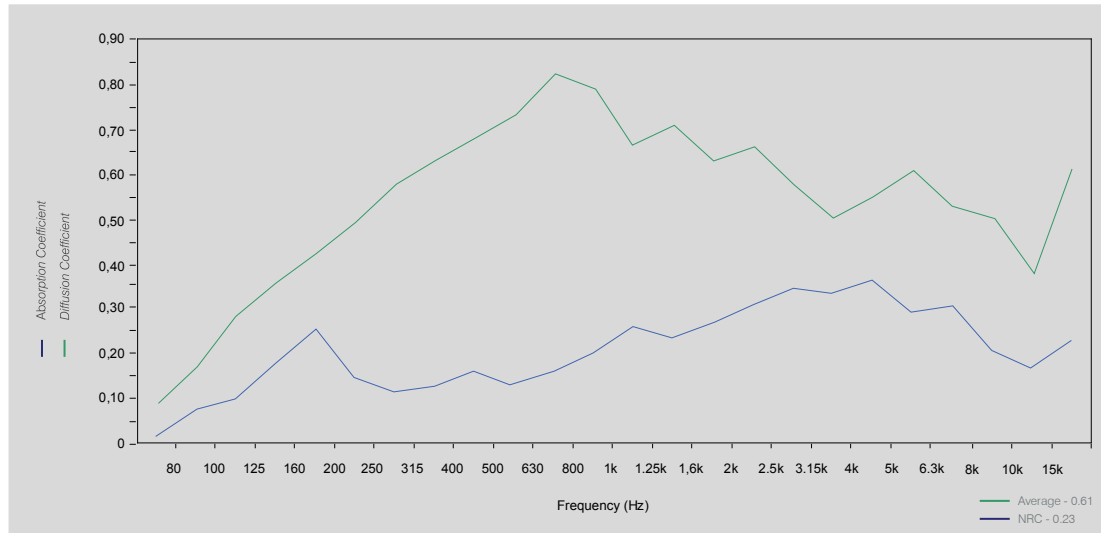
New

The diffuser acoustic shells are acoustic treatment elements intended for big volumetric rooms such as theatres or auditoriums where orchestral concerts or mere recitals take place. These acoustic diffuser components' aim is to project the original sound, not amplified, from the stage to the audience. It will enable people to listen to the sound coming directly from its sound sources, instruments, without the electro-acoustics' inherent characterization or colouring. It's also this panel's objective to enable the stage and the room to be within the same space and not separate into two by the stage's mouth. Jocavi's Effectfuser® has been designed at the specific scale of these needs.

Due to its shape and depth, the Effectfuser® has got an elevated diffusion coefficient on med-low frequencies. The Effectfuser® is a large dimension diffuser which provides a homogeneous diffusion to the sonorous diffuse spectrum.

Manufactured in ABS with a rigid chassis, these elements can be multiplied by being mounted side by side in order to suit each project's demands. Several modules should be grouped so as to obtain a proportional area to each space. Mounting: They can be hung from the ceiling strategically positioned to obtain sound diffusion in the required angles; they can also be mounted with a motorized rigging system from the stage ceiling. These elements / modules are mounted with steel cables by using adequate mounting accessories. Their low weight makes the mounting easier. The Effectfuser® can be similarly applied as any other Jocavi® diffuser panel, i. e., on T ceilings, walls or on any other plain surface.

Graphic



Diffusion Coefficient

80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	15k
0.09	0.17	0.28	0.36	0.43	0.49	0.58	0.63	0.68	0.74	0.82	0.79	0.67	0.71	0.63	0.66	0.58	0.50	0.55	0.61	0.53	0.50	0.38

Absorption Coefficient

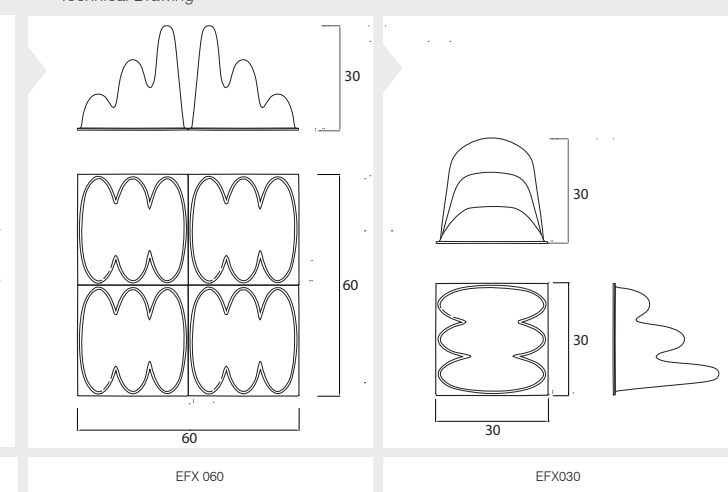
80	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	15k
0.02	0.08	0.10	0.18	0.26	0.15	0.12	0.13	0.16	0.14	0.16	0.20	0.26	0.24	0.27	0.31	0.35	0.34	0.37	0.30	0.31	0.21	0.17

Values in accordance with the norms: EN20354, ASTM C423 e EN 11654 Non normative values.

Models

	H	W	D	Kg
EFX 060	60 cm	60 cm	30 cm	6,4
EFX 030	30 cm	30 cm	30 cm	1,6

Technical Drawing



EFFECTFUSER® COMBI

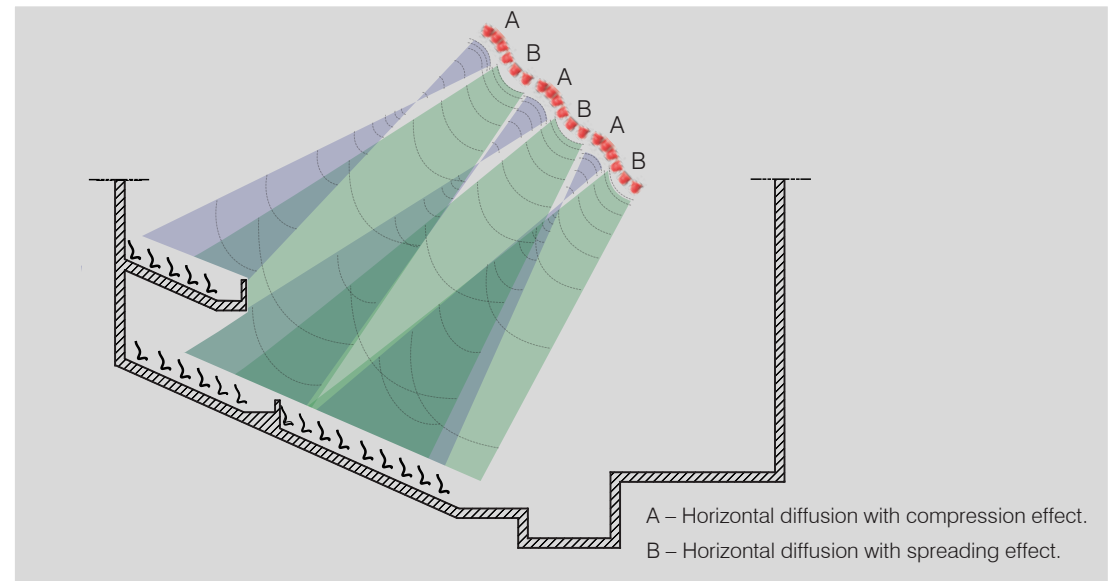


for Acoustic Shells



New

EFX COMBI



The combination of the various EFFECTFUSER COMBI® diffusing pieces must be optimized so as to obtain a diffusion as uniform as possible in the entire room extent.

To adjust the diffusing properties of the EFFECTFUSER COMBI® to the room where this product is applied, the placement of the pieces must be taken into account in order to obtain its best performance, bearing in mind these two types of diffusion:

Diffusion with compression effect –

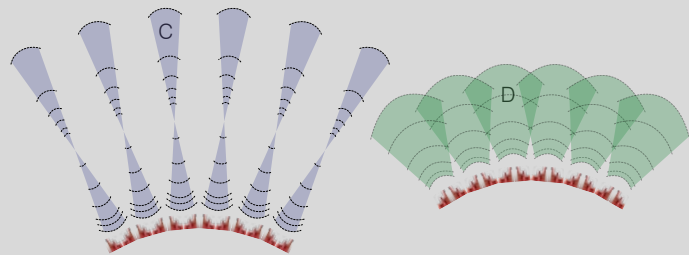
It emphasizes the sound diffusion at a smaller covering angle, effective at a longer incidence distance.

Features: efficient at a bigger distance; smaller incidence angle; higher sound level.

Diffusion with spreading effect –

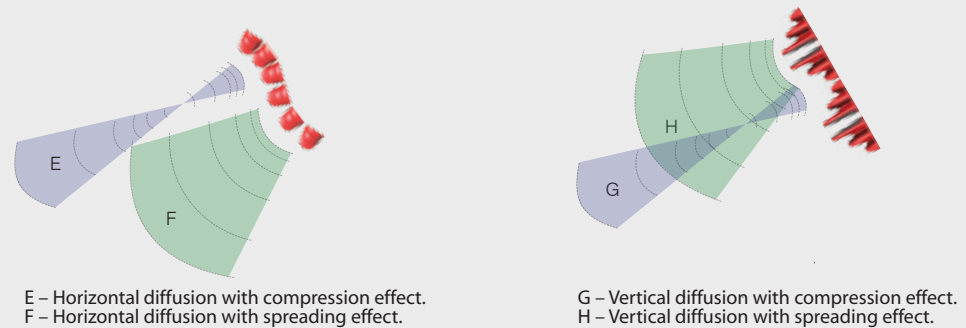
It emphasizes the sound diffusion at a wider covering angle, effective at a shorter incidence distance.

Features: efficient at a shorter distance; less sound level; wider incidence angle.



C – Vertical diffusion with compression effect.

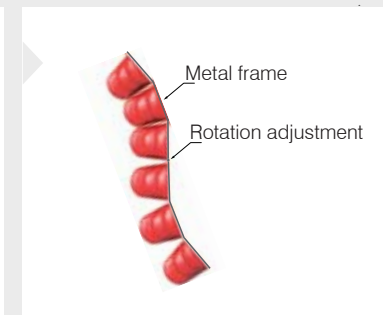
D – Vertical diffusion with spreading effect.



One unit Effectfuser combi® box



Mounting



Naturally efficient