EFFECTFUSER®

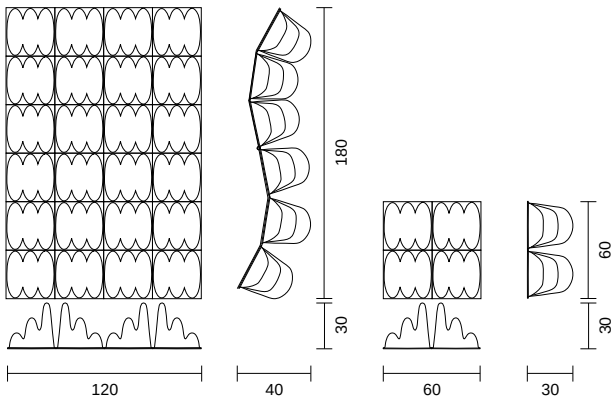
The acoustic diffusion shells are acoustic treatment elements intended for large volume rooms, such as theatres or auditoriums with a stage where orchestral concerts or mere recitals take place. These acoustic diffusion components are meant to project the non-amplified original sound from the stage to the audience. This will enable people to hear the sound that comes directly from its sound sources and instruments, without the electro-acoustic inherent characterization or colouring. This panel also aims to enable the stage and the room to be within the same space and not separate in two by the mouth of the stage. JOCAVI's Effectfuser® has been designed at the specific scale of these needs.

Due to its shape and depth, the Effectfuser® also has a high diffusion coefficient on medium/low frequencies. The Effectfuser® is a large-sized diffuser that provides a very homogeneous diffusion within the diffuse and sound spectrum. Manufactured in ABS with a rigid framework, this piece can be coupled and multiplied in order to suit each project's demands. When mounted, several modules should be grouped so as to obtain an area that is proportional to each space.

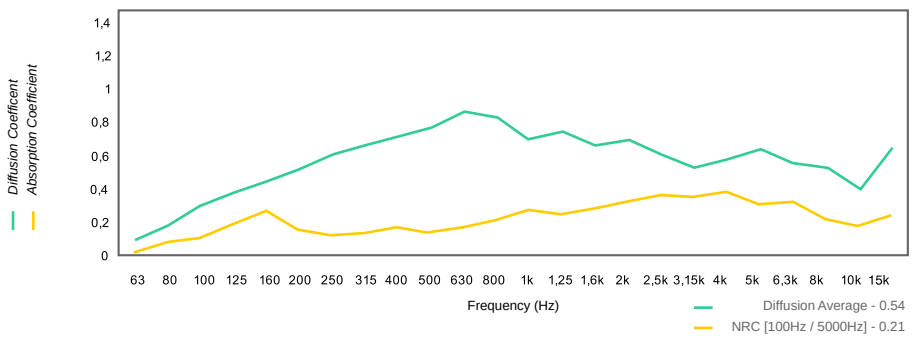
MODEL SIZES

	H	W	D	Kg
EFX COMBI	180 cm	60 cm	40 cm	55.5
EFX060	60 cm	60 cm	30 cm	9.5

TECHNICAL DRAWING



GRAPHIC



VALUES

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

These values were obtained by mathematical calculations and tests carried out in our laboratory

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 Standards: EN 20354, ASTM C423 and EN 11654. Non Standard values.