



# FIXED DIFFUSION ACOUSTIC SHELLS

EFFECTFUSER® AcSh® • DYNAMICFLOW® AcSh® • WOODFOIL® AcSh® • PLURA® AcSh® • DIAMOND® AcSh® • NEO3Q® AcSh®



**EFFECTFUSER® AcSh®**  
EFX180COMBI

**DIAMOND® AcSh®**  
DIA120P

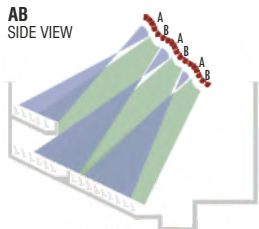
**DYNAMICFLOW® AcSh®**  
DYN120P

**WOODFOIL® AcSh®**  
WFL120P

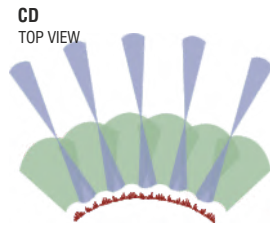
**PLURA® AcSh®**  
PLR120P

**NEO3Q® AcSh®**  
N3Q120P

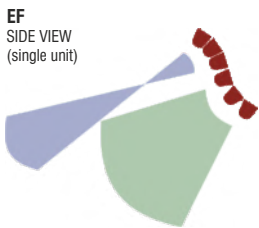
## SCATTERING EFFECTS (example for the EFX180COMBI)



A - HORIZONTAL DIFFUSION WITH COMPRESSION EFFECT.  
B - HORIZONTAL DIFFUSION WITH SCATTERING EFFECT.



C - VERTICAL DIFFUSION WITH COMPRESSION EFFECT.  
D - VERTICAL DIFFUSION WITH SCATTERING EFFECT.



E - HORIZONTAL DIFFUSION WITH COMPRESSION EFFECT.  
F - HORIZONTAL DIFFUSION WITH SCATTERING EFFECT.



G - VERTICAL DIFFUSION WITH COMPRESSION EFFECT.  
H - VERTICAL DIFFUSION WITH SCATTERING EFFECT.

## STANDARD HIPS COLOURS



**YELLOW** Similar to RAL 1003  
**ORANGE** Similar to RAL 2008  
**RED** Similar to RAL 3001  
**GREEN** Similar to RAL 6001  
**BLUE** Similar to RAL 5013  
**PURPLE** Similar to RAL 4005  
**LILAC** Similar to RAL 4009  
**BROWN** Similar to RAL 8017  
**CREAM** Similar to RAL 1001  
**BLACK** Similar to RAL 9005  
**GREY** Similar to RAL 7042  
**WHITE** Similar to RAL 9003

## IMPORTANT NOTICES

- JOCAVI® accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- RAL® is an international independent colour standard system partner for industry, trade, architecture and design. Should be consulted before placing any order.
- The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Colours may vary due to raw-material suppliers' changes and some differences may occur in tonal range.
- Typical Indoor Comfort Standards state a temperature range of 20°C - 27°C (68°F - 81°F), and a relative humidity of less than 60%. These would be considered as normal operational levels of JOCAVI® products' range.
- Sizes may vary slightly (+/-3mm) due to their production method and some inherent raw-materials characteristics.

## DESCRIPTION

The diffusing acoustic 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 diffusing components are meant to project the non-amplified original sound from the stage to the audience. This will enable people to hear the sound coming 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. JOCA VI®s models have been designed at the specific scale of these needs. Due to its shape and depth, they also have a high diffusion coefficient on medium/low frequencies. The all are large-sized diffusers that provide a very homogeneous diffusion within the diffuse and sound spectrum. Manufactured in HIPS (except WOODFOIL® in wood) with a rigid framework, these pieces 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. Mounting: They can be hung from the ceiling in a strategic position in order 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 fastened with steel cables by using appropriate mounting accessories. Their low weight makes mounting easier. As with any other JOCAVI® diffusion panel, these models can also be applied on false ceilings, flat ceilings or walls.

## MAIN FEATURES

To adjust the diffusing properties of these models 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 EFFECTS (only EFX COMBI and EFX Plate)

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

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

### DIFFUSION WITH SCATTERING EFFECTS (only EFX COMBI and EFX Plate)

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.

## MODELS AND SIZES\*

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT
EFX COMBI 180	180 cm (70.9 in)	120 cm (47.2 in)	32 cm (12.6 in)	57 Kg (125.66 lbs)
EFX Plate 120	120 cm (47.2 in)	120 cm (47.2 in)	32 cm (12.6 in)	38 Kg (83.78 lbs)
DYN Plate 180	180 cm (70.9 in)	120 cm (47.2 in)	13 cm (5.1 in)	34 Kg (74.96 lbs)
DYN Plate 120	120 cm (47.2 in)	120 cm (47.2 in)	13 cm (5.1 in)	25 Kg (55.12 lbs)
WFL Plate 180	180 cm (70.9 in)	120 cm (47.2 in)	23 cm (9.1 in)	38 Kg (83.78 lbs)
WFL Plate 120	120 cm (47.2 in)	120 cm (47.2 in)	23 cm (9.1 in)	27 Kg (59.52 lbs)
PLR Plate 180	180 cm (70.9 in)	120 cm (47.2 in)	16 cm (6.3 in)	33 Kg (72.75 lbs)
PLR Plate 120	120 cm (47.2 in)	120 cm (47.2 in)	16 cm (6.3 in)	24 Kg (52.91 lbs)
DIA Plate 180	180 cm (70.9 in)	120 cm (47.2 in)	14 cm (5.5 in)	34 Kg (74.96 lbs)
DIA Plate 120	120 cm (47.2 in)	120 cm (47.2 in)	14 cm (5.5 in)	25 Kg (55.12 lbs)
N3Q Plate 180	180 cm (70.9 in)	120 cm (47.2 in)	16 cm (6.3 in)	33 Kg (72.75 lbs)
N3Q Plate 120	120 cm (47.2 in)	120 cm (47.2 in)	16 cm (6.3 in)	24 Kg (52.91 lbs)

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## WOOD VENEER FINISHINGS



**PINE** **OAK** **CHERRY** **MAHOGANY** **WENGE** **BLACK-BROWN**

