

DFc series multidirectional diffusers

DFC SERIES MULTIDIRECTIONAL SPEAKERS



CARATTERISTICHE

Diffuser, which can be used for both air intake and extraction in indoor environments, especially ceiling/ceiling.

It consists of a flat white screen, spaced from the frame so as to spread air tangentially to the four sides, and a frame that also acts as a support for the screen.

The frame is in view and the screen is at the same elevation as the frame. The screen pulls out and inserts very easily for cleaning.

Fixing methods

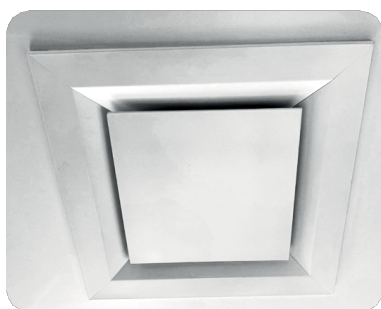
- Steel clips (springs) for quick-release attachment of the screen to the frame. In addition, the frame has 2 safety hooks made of nylon thread to be attached (by the customer) to two of the eight screen spring-fixing screws by unscrewing the nuts, inserting the eyelets under the washers, and screwing them back on.
- Mounting of the frame on the PAL plenum, if any, is quick-fit (see also the PAL plenum data sheet).

Materiali di costruzione

- Aluminum thickness. 1.5 mm for the screen.
- PVC color white RAL 9010 for the frame.
- Forex thick. 6 mm for the insulation board on the non-visible face of the screen.
- Steel for clips (springs).

Screen color

White RAL 9010, with epoxy powder coating.



ACCESSORIES

- Contrast calibration damper (PVC frame and bayblend fins) series -S/02.
 - Plenum in "PAL" series PAL/02.
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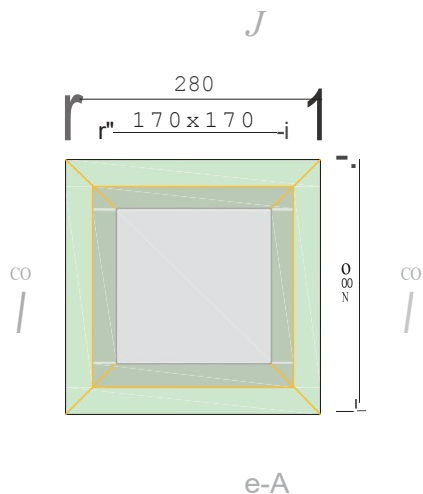
IMPORTANTE

DIMENSIONS

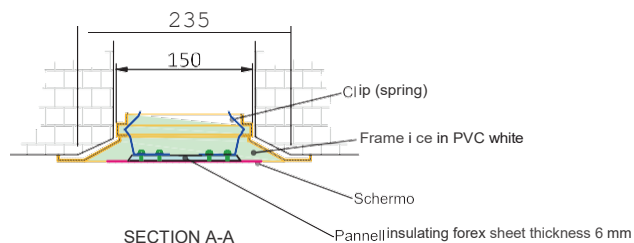
Multidirectional diffuser DFC 150x150

Code -DFC/150X150B

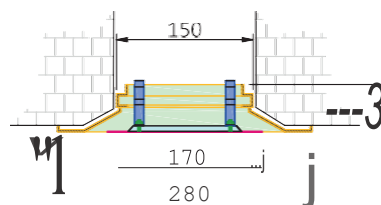
With aluminum screen thickness. 1.5 mm white RAL9010.



VIEW FRONT



SECTION A-A

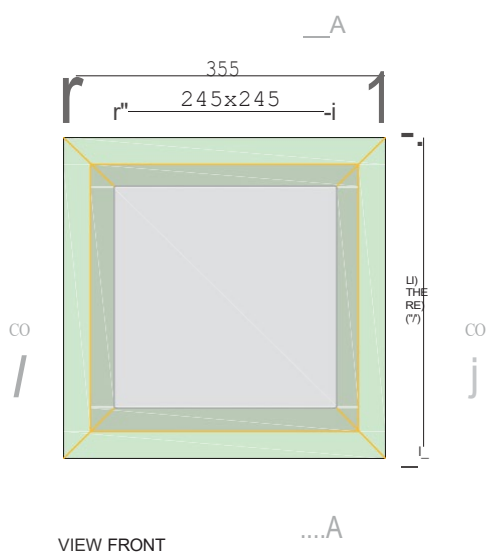


SECTION B-B

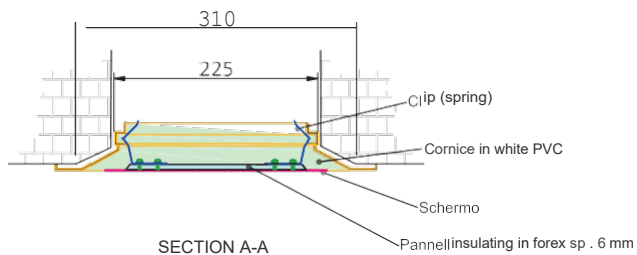
Multidirectional diffuser DFC 225x225

Code - DFC/225X225B

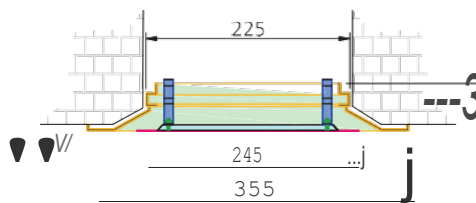
With aluminum screen thickness. 1.5 mm white RAL9010.



VIEW FRONT



SECTION A-A



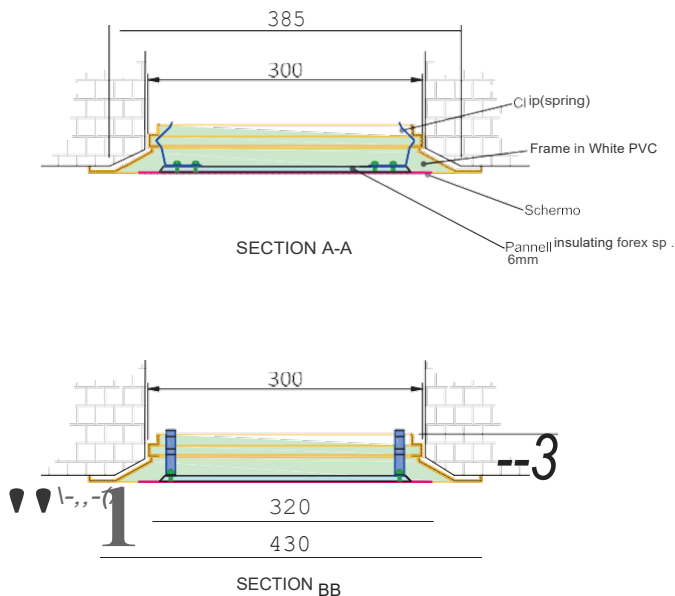
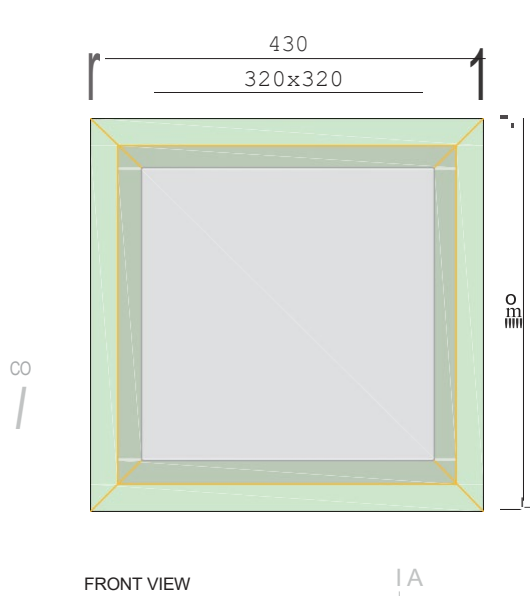
SECTION B-B

DIMENSIONS

Multidirectional diffuser DFC 300x300

Code - DFC/300X300B

With aluminum screen thickness. 1.5 mm white RAL9010.



Multidirectional diffuser DFC 375x375

Code - DFC/375X375B

With aluminum screen thickness. 1.5 mm white RAL9010.

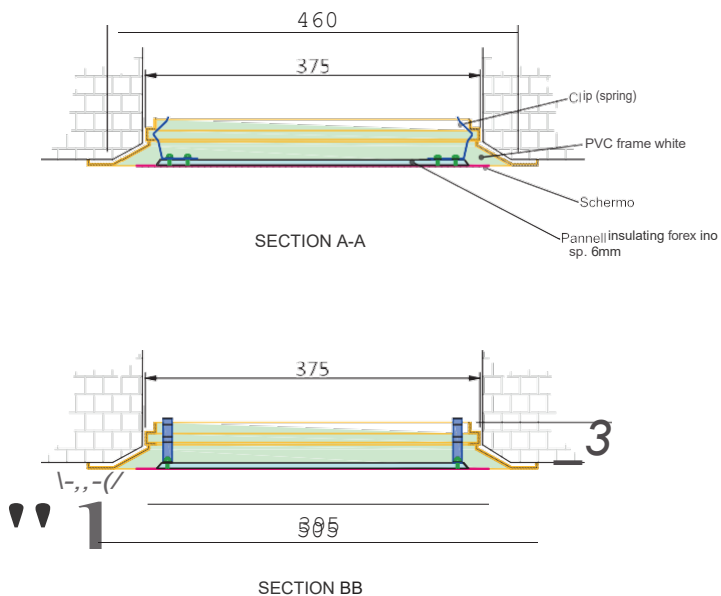
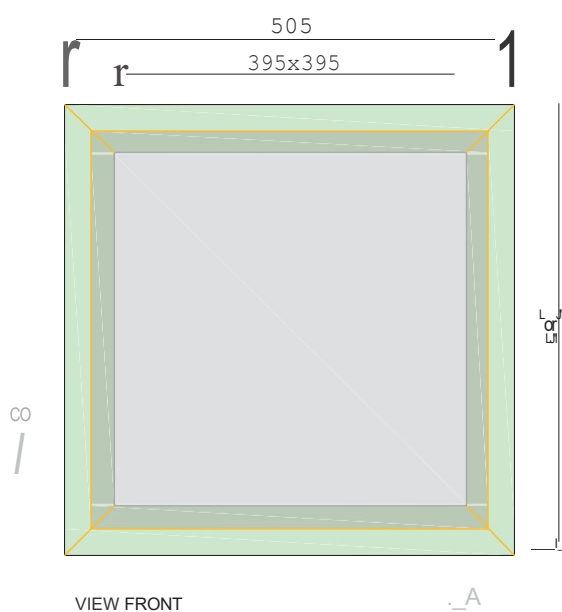


TABLE WITH SPEAKER DIMENSIONS

Code	Position screen	Plenum neck connection measurements [mm].	External measurements [mm]	Hole measurements on ceiling [mm].
- DFC/150X150B	fixed	150x150	280x280	235x235
- DFC/225X225B	fixed	225x225	355x355	310x310
- DFC/300X300B	fixed	300x300	430x430	385x385
- DFC/375X375B	fixed	375x375	505x505	460x460
- DFC/450X450B	ask ours. technical office			
- DFC/375X150B				
- DFC/450X225B				

QUICK SELECTION TABLE

Code	Area on useful diffusion contour [m ²]	Flow rate (m ³ /h) with v = 2.5 m/s Pressure drop: 2 Pa	Flow rate (m ³ /h) with v = 3 m/s Pressure drop: 3 Pa	Flow rate (m ³ /h) with v = 4 m/s Pressure drop: 5 Pa	Flow rate (m ³ /h) with v = 5 m/s Pressure drop: 8 Pa	Flow rate (m ³ /h) with v = 6 m/s Pressure drop: 12 Pa
-DFC/150X150B	0.0082	73	88	117	147	176
-DFC/225X225B	0.0116	104	125	167	208	250
-DFC/300X300B	0.0154	138	166	221	277	277
-DFC/375X375B	0.0190	171	205	273	342	410
- DFC/450X450B	ask ours. technical office					
- DFC/375X150B						
- DFC/450X225B						