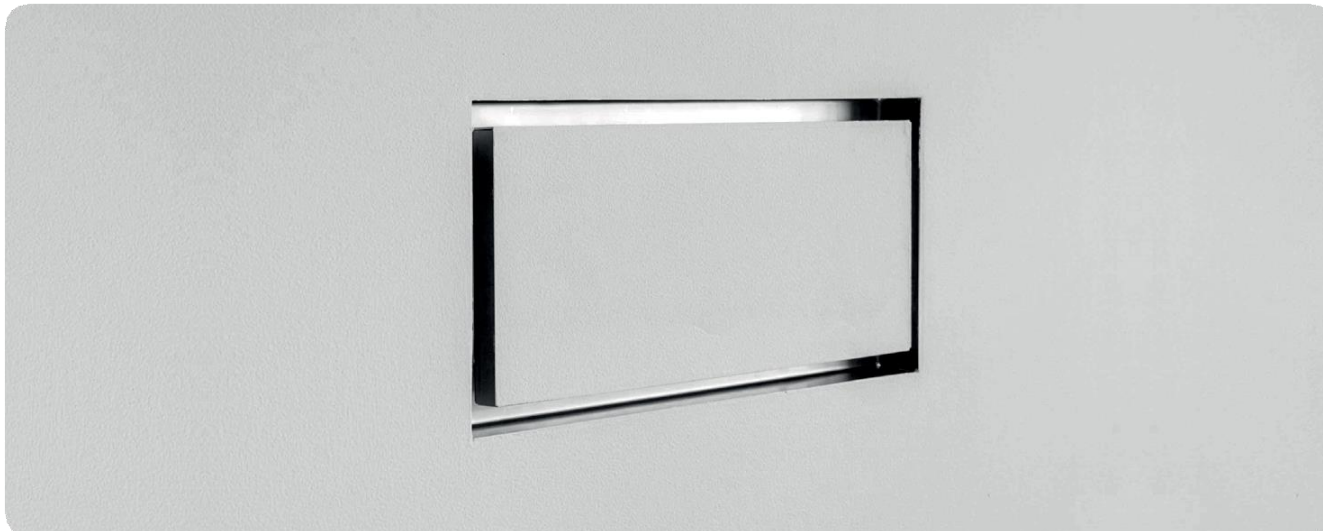


FLAT rectangular screen speakers

PERSONALIZABLE

CUSTOMIZABLE RECTANGULAR SCREEN FLAT SPEAKERS



CARATTERISTICHE

Diffuser, which can be used for both air intake and extraction in indoor environments; consisting of a screen shaped of stainless steel tray, with electro-welded mesh inside to facilitate the setting of mortar (if the customer decides to fill the screen with mortar). The mesh can, on the other hand, be easily removed on site in case you want to **customize** the screen with material such as tiles (the grip of the glue may be better on the surface without the mesh) or wood, etc.; the removal of the mesh is done after grinding the welding points of the mesh. It also consists of a frame equipped with a guide to **adjust on 4 positions (steps of 7.5 mm pitch between each other)** the indentation of the screen with respect to the 3rd step (actual flush wall position) and thus the airflow rate.

The 1st step corresponds to the closed position. A 4th step is available in case a somewhat larger range than flush with the wall is desired.

Frame thickness: 30.5 mm.

The screen pulls out and inserts easily for cleaning.

Materiali di costruzione

- Satin-finished AISI 304 stainless steel 1 mm thick for the frame.
- Stainless steel + electrowelded mesh with screen clinging function.
- Steel for the clips (springs) for sliding/guiding/fixing the screen to the frame.

Screen color

The screen should be filled with mortar or other material, at the customer's convenience.

Fixing method

Steel clips (springs), standard. Screws (No. 4 included) for fixing the frame to adapter or directly to wood or plasterboard wall or channel, etc.

ACCESSORIES

- Sheet metal adapter mod. VMAD14X14----, VMAD20X10----, VMAD30X10----, VMAD40X10----.
- Adapter accessories (extension cord, filter, etc.).

INSTRUCTIONS

Before installing and/or arranging for the speaker, it is advisable to read the instructions that refer to the three cases:

- Installation with plaster level bands;
 - installation before the bands;
 - Drywall installation.
-

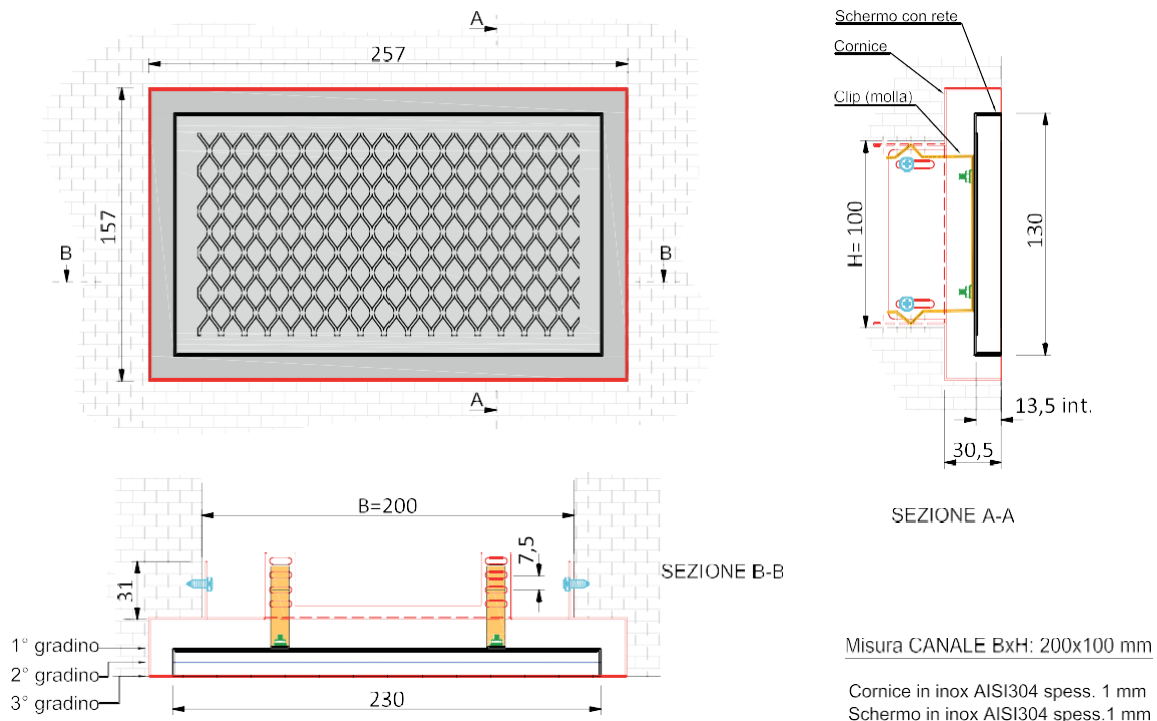
QUICK SELECTION TABLE

Code	Location	Screen size [mm]	Total air crossing area [m ²]	Flow rate (m ³ /h) with vattrav. effect.=1m/s*	Flow rate (m ³ /h) with vattrav. effect.=2m/s*	Flow rate (m ³ /h) with vattrav. effect.=3m/s*
VMDPPFM20X10I1	2nd step	257x157	0.0040	15	29	44
	3rd step	257x157	0.0087	31	'62'	-
	4th step (off wall)	257x157	0.0133	48	-	-
VMDPPFM30X10I1	2nd step	357x157	0.0054	20	39	59
	3rd step	357x157	0.0117	42	84	'126'
	4th step (off wall)	357x157	0.0178	64	-	-
VMDPPFM40X10I1	2nd step	457x157	0.0068	25	49	74
	3rd step	457x157	0.0147	53	106	158
	4th step (off wall)	457x157	0.0225	81	162	-

(*) Flow rates in bold can be obtained by associating the diffuser with an adapter with Ø90 connections (and piping) while flow rates not in bold can also be obtained with adapters with Ø75 connections. The two flow rates between apostrophes are with flow rates of approx. 60 mc/h per adapter pipe, slightly higher than the maximum recommended air flow rates for Ø90 pipes.

DIMENSIONS

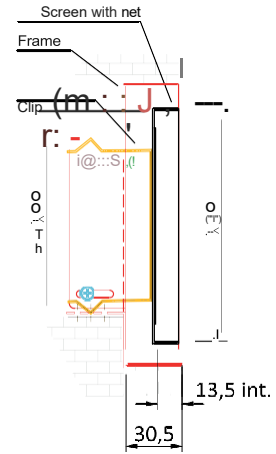
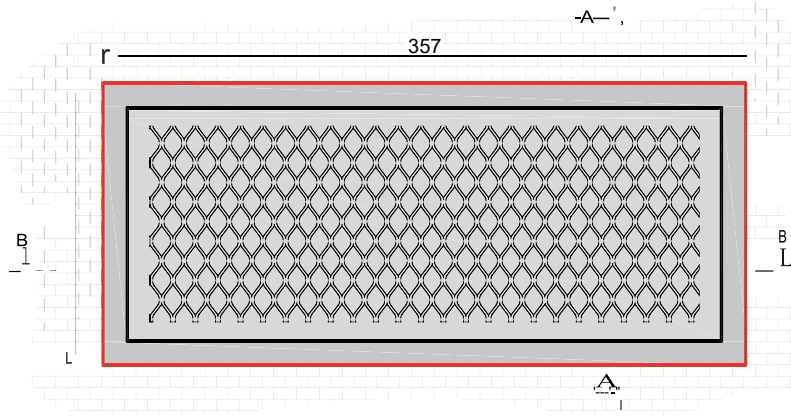
Diffusore FLAT Personalizzabile filo muro in inox 200x100 mm. Codice: VMDPPFM20X10I1
Cornice in inox. Schermo in inox con rete elettrosaldata. Interasse molle=116 mm



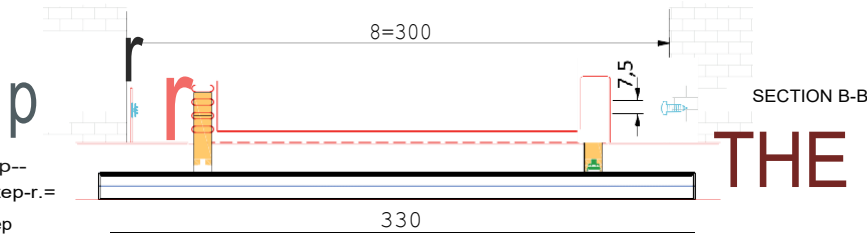
DIMENSIONS

Customizable FLAT diffuser flush with the wall in 300x100 mm stainless steel. Code: VMDPPFM30X1011

Stainless steel frame. Stainless steel screen with electrowelded mesh. Spring spacing=216 mm



SECTION A-A



SECTION B-B

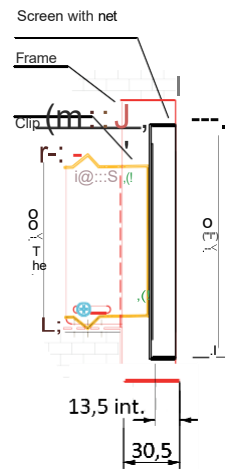
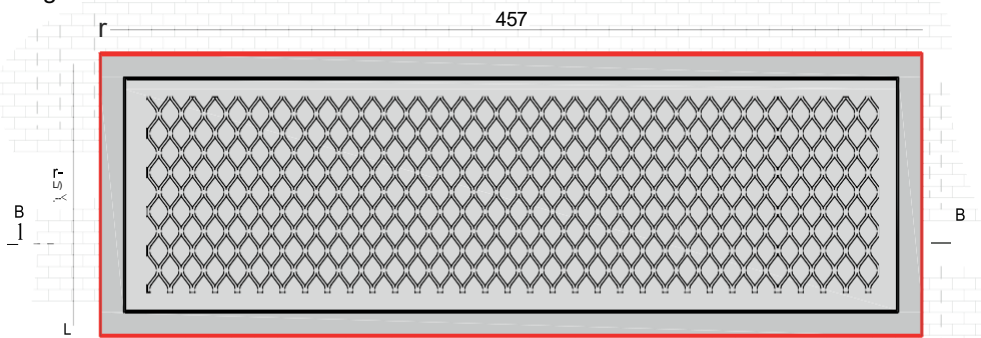
CHANNEL size BxH: 300x100 mm

Cornice in stainless steel AISI304 thick. 1 mm AISI304 stainless steel screen, thickness 1 mm

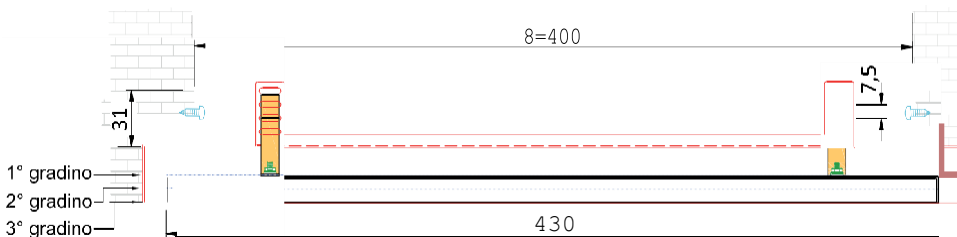
Customizable FLAT diffuser flush with the wall in 400x100 mm stainless steel.

Code: VMDPPFM40X1011

Stainless steel frame. Stainless steel screen with electrowelded mesh. Spring spacing=316 mm



SECTION A-A



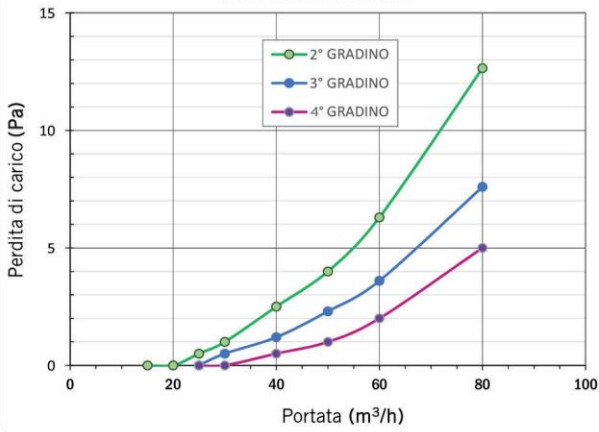
SECTION B-B

CHANNEL BxH measurement : 400x100 mm

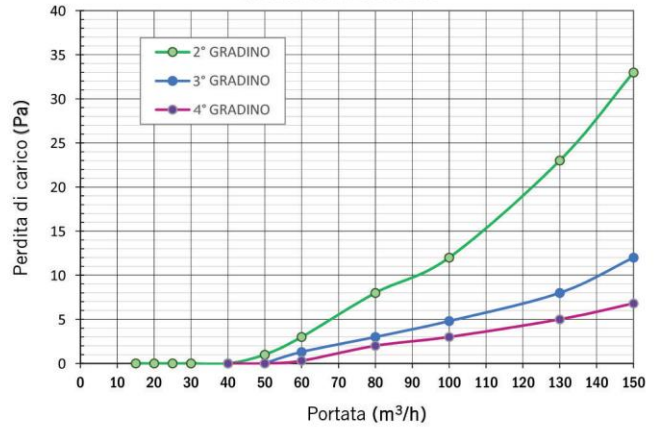
Cornice in stainless steel AISI304 thick. 1 mm AISI304 stainless steel screen, thickness 1 mm

GRAPHICS

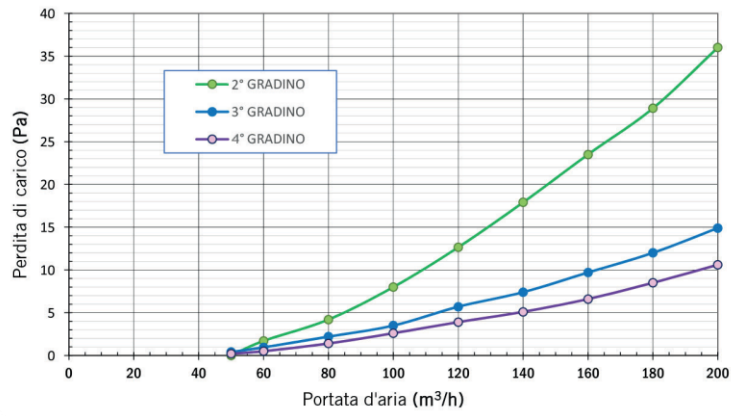
diffusori FLAT 200X100



diffusori FLAT 300X100

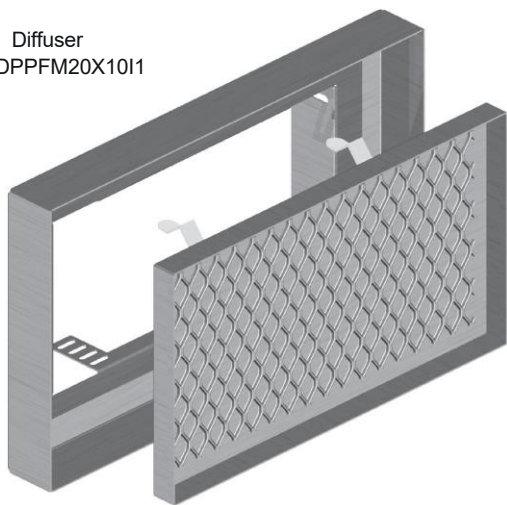


diffusori FLAT 400X100

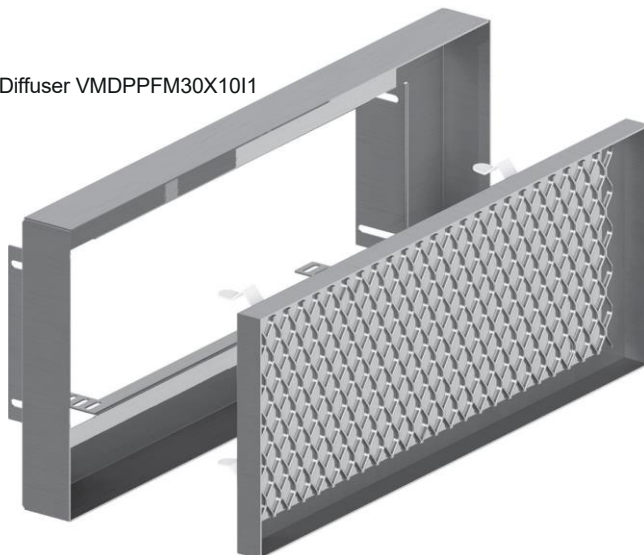


THREE-DIMENSIONAL DRAWINGS (WITH SCREENS DETACHED FROM THE FRAMES)

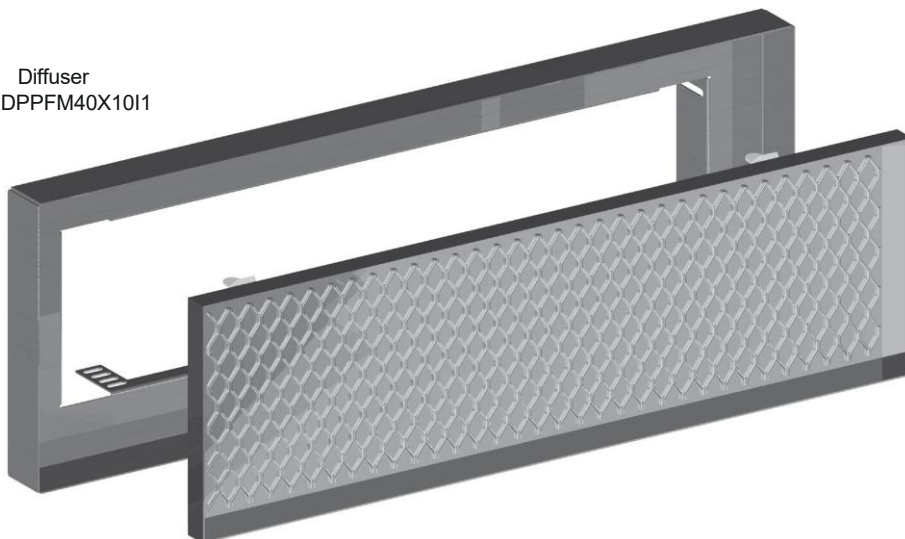
Diffuser
VMDPPFM20X1011



Diffuser VMDPPFM30X1011



Diffuser
VMDPPFM40X1011



REV. 10/2024