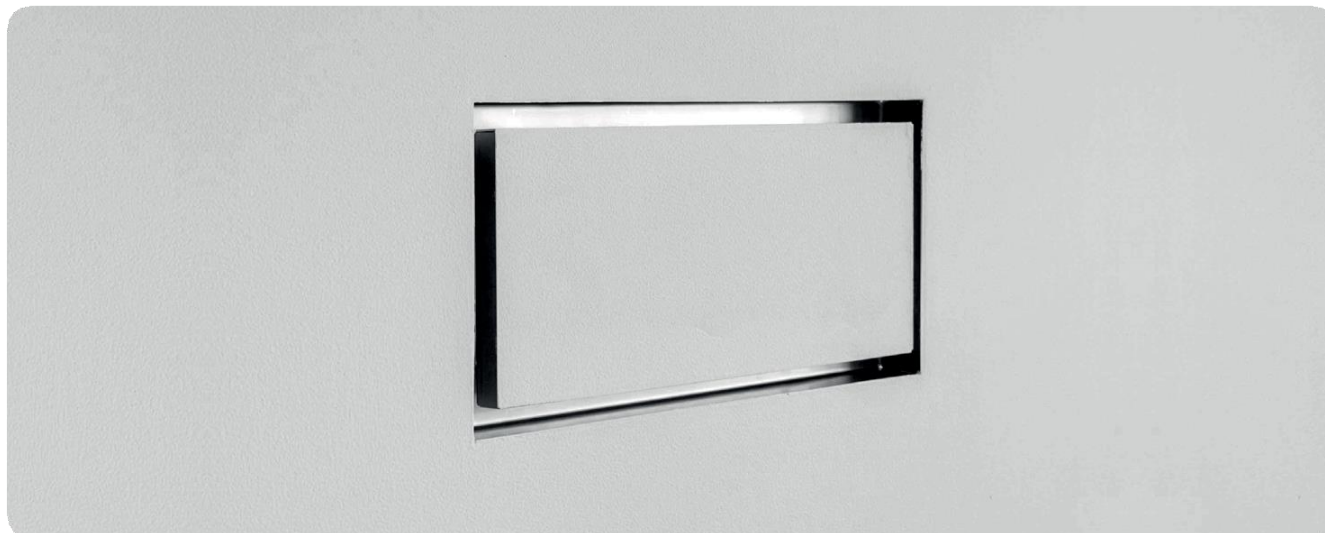


# VMDPPFM series FLAT CUSTOMIZABLE WALL FLUSH MOUNTED rectangular diffusers

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VMDPPFM series "FLAT CUSTOMIZABLE" WALL FLUSH MOUNTED rectangular diffusers for "VMAD" adapters

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## FEATURES

Diffuser, which can be used for both air intake and air extraction in indoor environments, consisting of a "screen" shaped of stainless steel tray, with electro-welded mesh inside to facilitate the setting of mortar (in case of the **customer** decides to fill the tray with mortar).

The mesh can be easily removed on site in case you want to **customize** the screen with material such as tiles or wood, etc.. The diffuser also consists of a frame equipped with a guide to **adjust on 4 positions (steps of 7.5 mm pitch between each other)** the of the screen, and thus the airflow rate, with respect to the 3rd step (actual flush wall position).

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.

### Materials of construction:

- Satin-finished AISI 304 stainless steel 1 mm thick, for the frame.
- Stainless steel + electrowelded mesh with clinging function, for the tray ("screen").
- Harmonic steel for clips (springs), for attaching screen to frame.

### "Screen" color

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

### Fixing method

Screws (No. 4 supplied) for fixing the frame to "VMAD" adapter.

### RECOMMENDATION

It is recommended to order the diffuser together with the adapter, so that they can be installed as a single assembly.

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## ACCESSORIES (optional)

- Rectangular galvanised steel "VMAD" series adapter.
- Adapter accessories (extension, filter, etc.).

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## INSTRUCTIONS FOR THE DIFFUSER+ADAPTER ASSEMBLY

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

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

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(\* ) In case the diffuser is used in conjunction with an adapter with a nominal depth of 100 mm, the minimum depth of the diffuser+ adapter assembly is 134 mm.

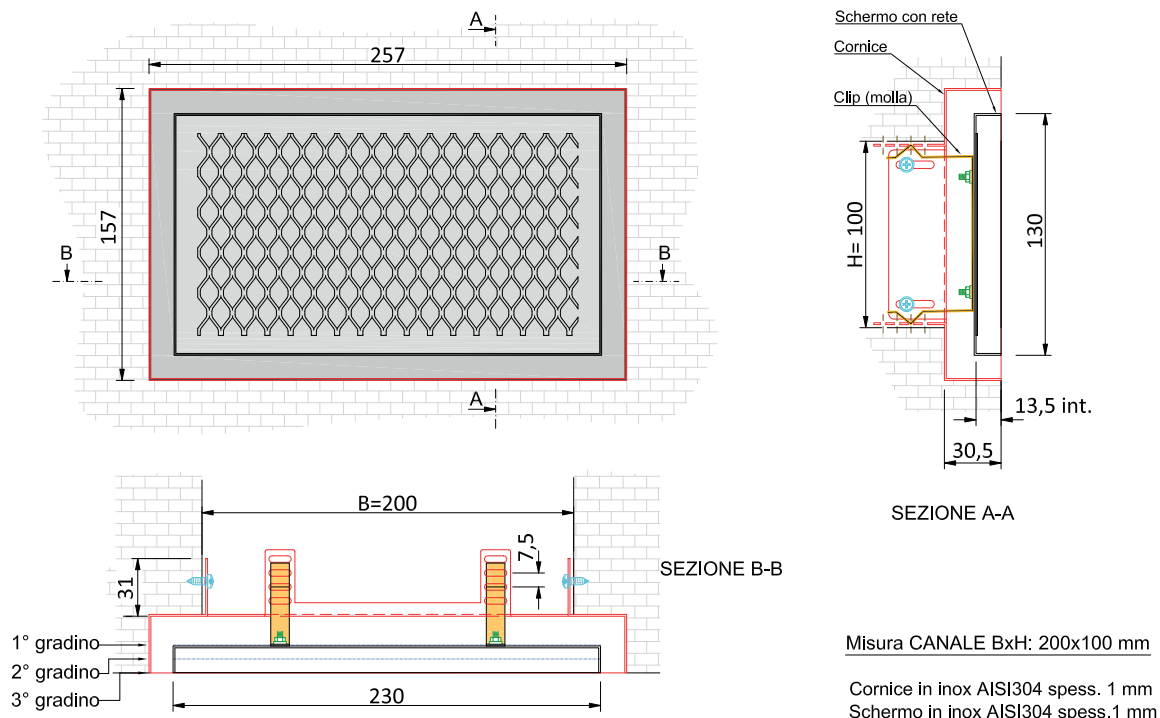
## QUICK SELECTION TABLE

Code	Position	External frame size [mm]	Total air crossing area [m <sup>2</sup> ]	Flow rate (m <sup>3</sup> /h) with v = 1 m/s	Flow rate (m <sup>3</sup> /h) with v = 2 m/s	Flow rate (m <sup>3</sup> /h) with v = 3 m/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	-

v = speed across the diffuser

## 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

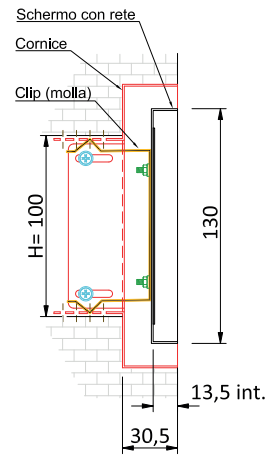
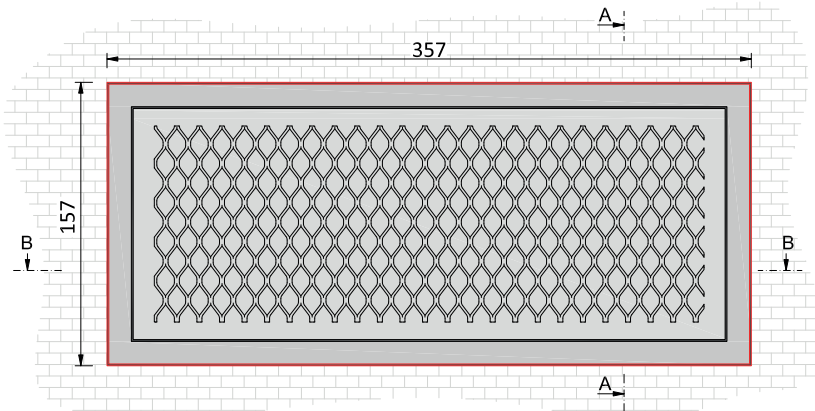


**DIMENSIONS**

Diffusore FLAT Personalizzabile filo muro in inox 300x100 mm.

Codice: VMDPPFM30X1011

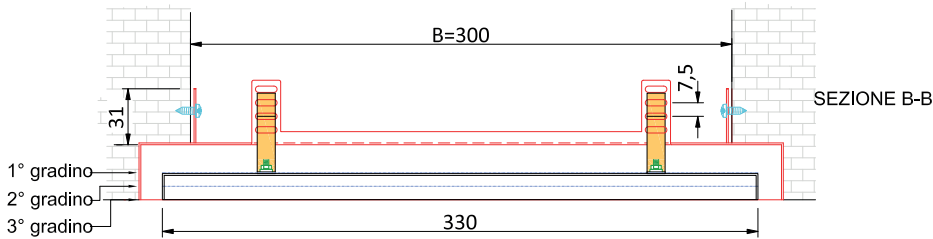
Cornice in inox. Schermo in inox con rete elettrosaldata. Interasse molle=216 mm



SEZIONE A-A

Misura CANALE BxH: 300x100 mm

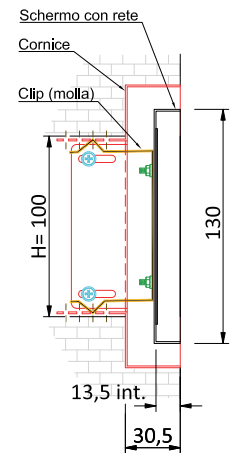
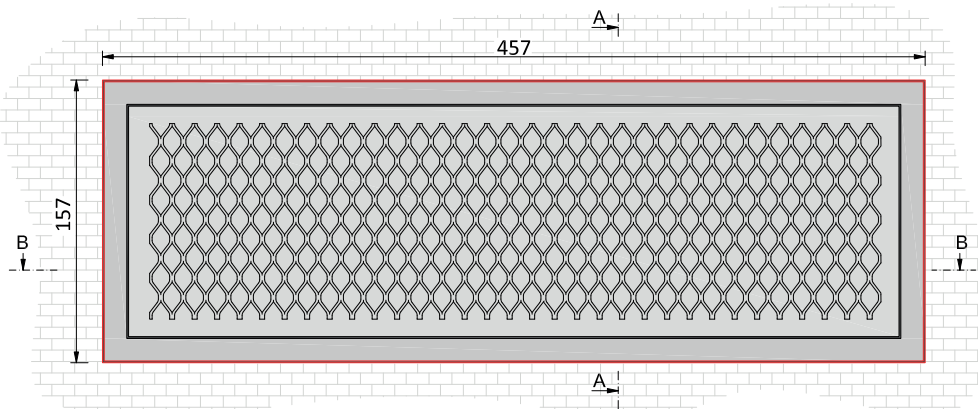
Cornice in inox AISI304 spess. 1 mm  
Schermo in inox AISI304 spess.1 mm



Diffusore FLAT Personalizzabile filo muro in inox 400x100 mm.

Codice: VMDPPFM40X1011

Cornice in inox. Schermo in inox con rete elettrosaldata. Interasse molle=316 mm

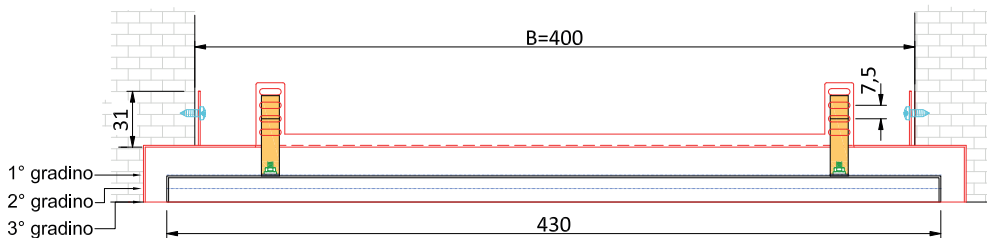


SEZIONE A-A

SEZIONE B-B

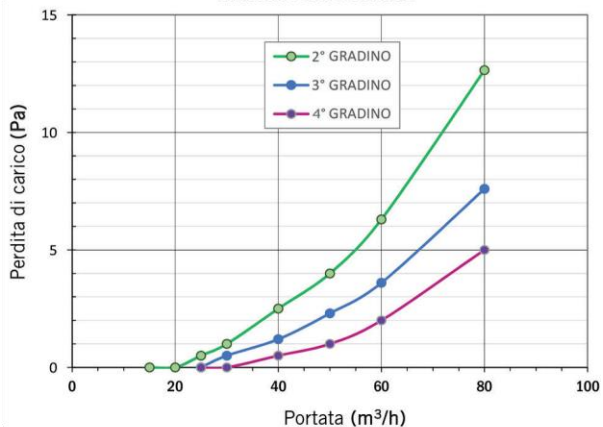
Misura CANALE BxH: 400x100 mm

Cornice in inox AISI304 spess. 1 mm  
Schermo in inox AISI304 spess.1 mm

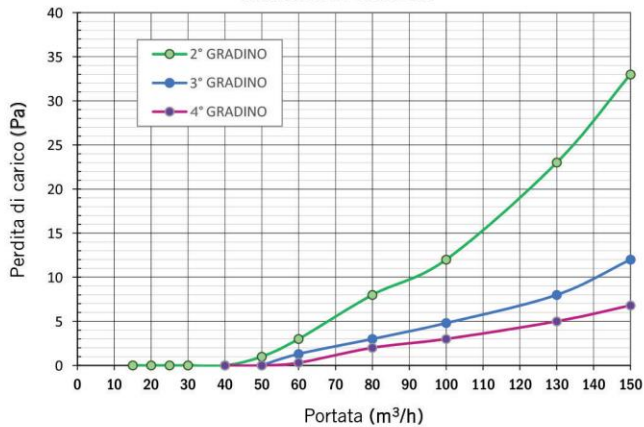


**AIR FLOW RATE GRAPHICS**

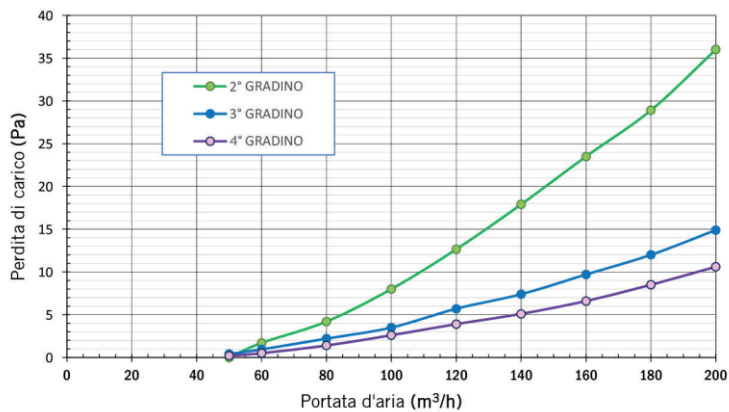
diffusori FLAT 200X100



diffusori FLAT 300X100



diffusori FLAT 400X100

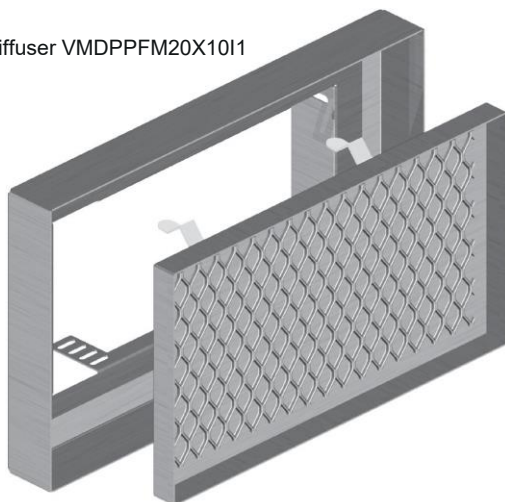


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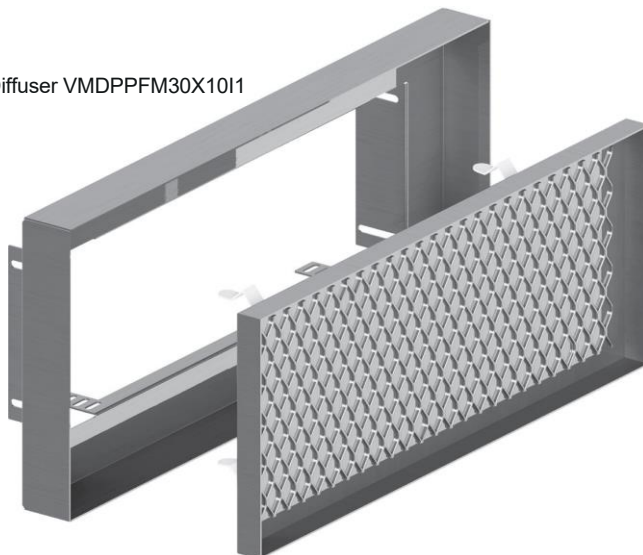
THREE-DIMENSIONAL DRAWINGS (WITH "SCREENS" DETACHED FROM THE FRAMES)

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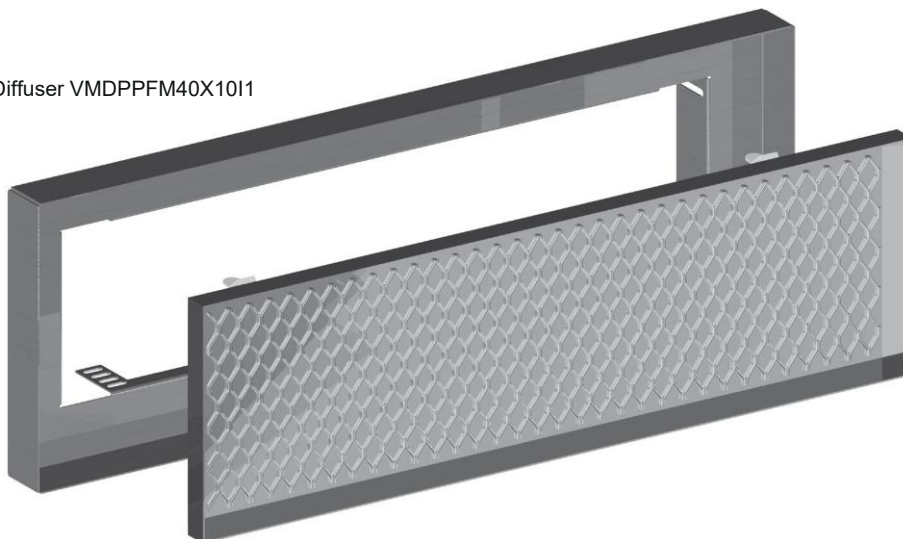
Diffuser VMDPPFM20X1011



Diffuser VMDPPFM30X1011



Diffuser VMDPPFM40X1011



REV. 11/2024