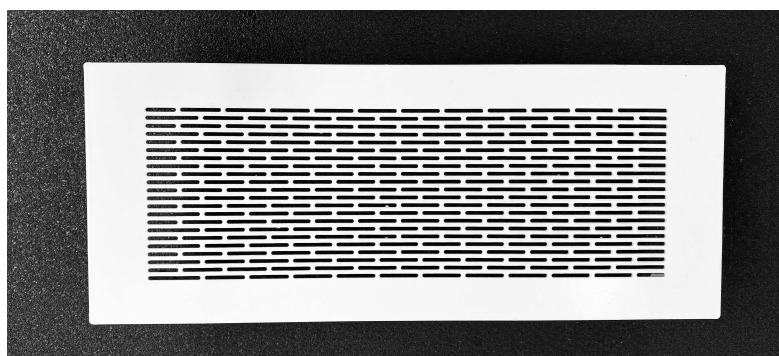


Perforated screen diffusers with horizontal slots

PERFORATED SCREEN DIFFUSERS WITH HORIZONTAL SLOTS "VMGSFAO" series



FEATURES

Diffuser, which can be used for both indoor HRV air intake and extraction, consisting of a fixed perforated screen (adhered to the wall or ceiling) with horizontal slotted holes. For ceiling installation, the **adapter** and **magnet kit** must also be installed (see below as optional accessories).

Construction materials

- Galvanized sheet metal 1.2 mm thick for the screen.
- Steel for the clips (springs).

Screen color

White RAL 9010 (with epoxy powder coating).

Fixing methods

Steel clips (springs), standard, for attaching the screen to the adapter.

ACCESSORIES

- **Adapters VMAD series (see related data sheet)**
- Accessory for ceiling installation: magnet kit for VMGSF, to order together with the diffuser or adapter, code VMADKM (see data sheet).
- Adapter accessories such as extensions, collar accessories, filters, etc.

QUICK SELECTION TABLE

Code	Hole size BxH [mm]	Screen size [mm]	Total perforated area [m ²]	Flow rate (m ³ /h) with v= 1 m/s	Flow rate (m ³ /h) with v= 2 m/s	Flow rate (m ³ /h) with v= 3 m/s
VMGSFAO200X100B	200x100	222x130	0.0064	17,5	35	53
VMGSFAO300X100B	300x100	322x130	0.0102	27,5	55	82
VMGSFAO400X100B	400x100	422x130	0.0142	38,5	77	115

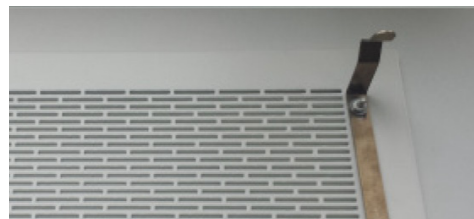
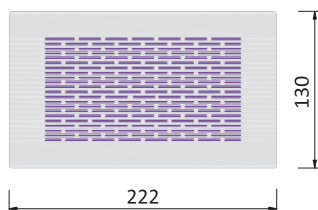
v is the effective crossing speed of the grid slots. A hole flow coefficient of 0.75 is considered. Therefore the effective useful area (for calculating the flow rate) is also considered to be equal to $0.75 \times A_g$ (Total perforated area).

For pressure drops at various air flow rates see the graphs relating to each of the three grill sizes on the following pages.

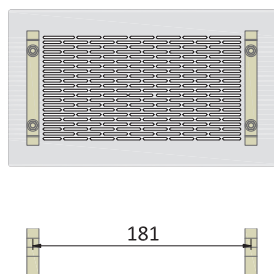
DIMENSIONAL

Griglia a schermo forato a "asole orizzontali" 200x100 mm nom. in lamiera bianca RAL9010
cod. VMGSFAO200X100B

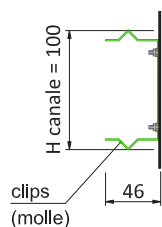
VISTA FRONTALE



VISTE POSTERIORE E DALL'ALTO



VISTA DI PROFILO



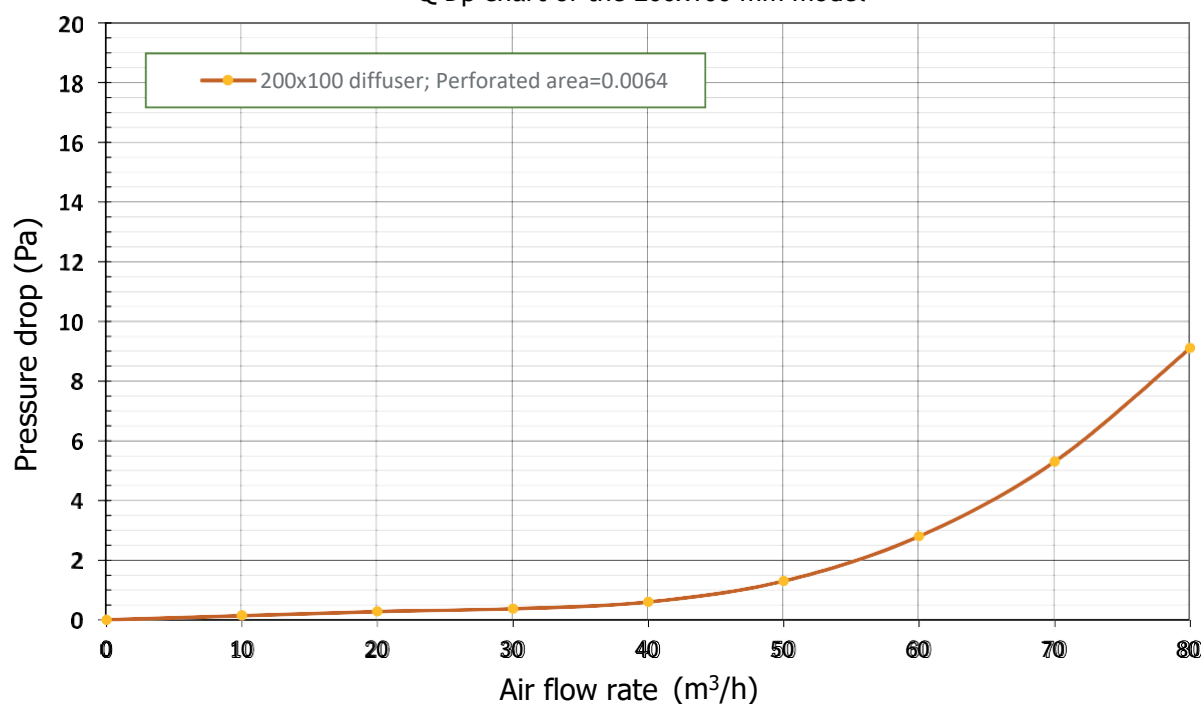
NOTA.

La griglia non ha a corredo la cornice;
per cui essa va installata direttamente sul
plenum-adattatore (tipo VMAD20X10--)
oppure direttamente a canale.

Misura foro BxH: 200x100 mm

GRAPH

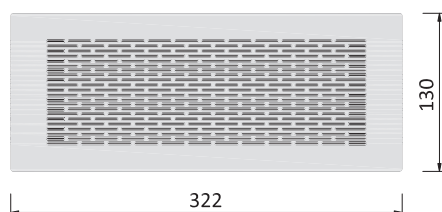
Perforated screen grids with horizontal slots ("horizontal slots")
Q-Dp chart of the 200x100 mm model



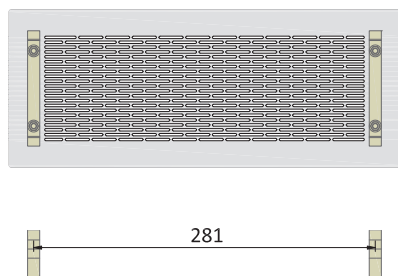
DIMENSIONAL

Griglia a schermo forato a "asole orizzontali" 300x100 mm nom. in lamiera bianca RAL9010
cod. VMGSFAO300X100B

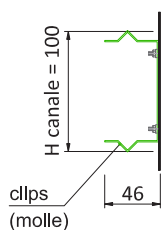
VISTA FRONTALE



VISTE POSTERIORE E DALL'ALTO



VISTA DI PROFILO



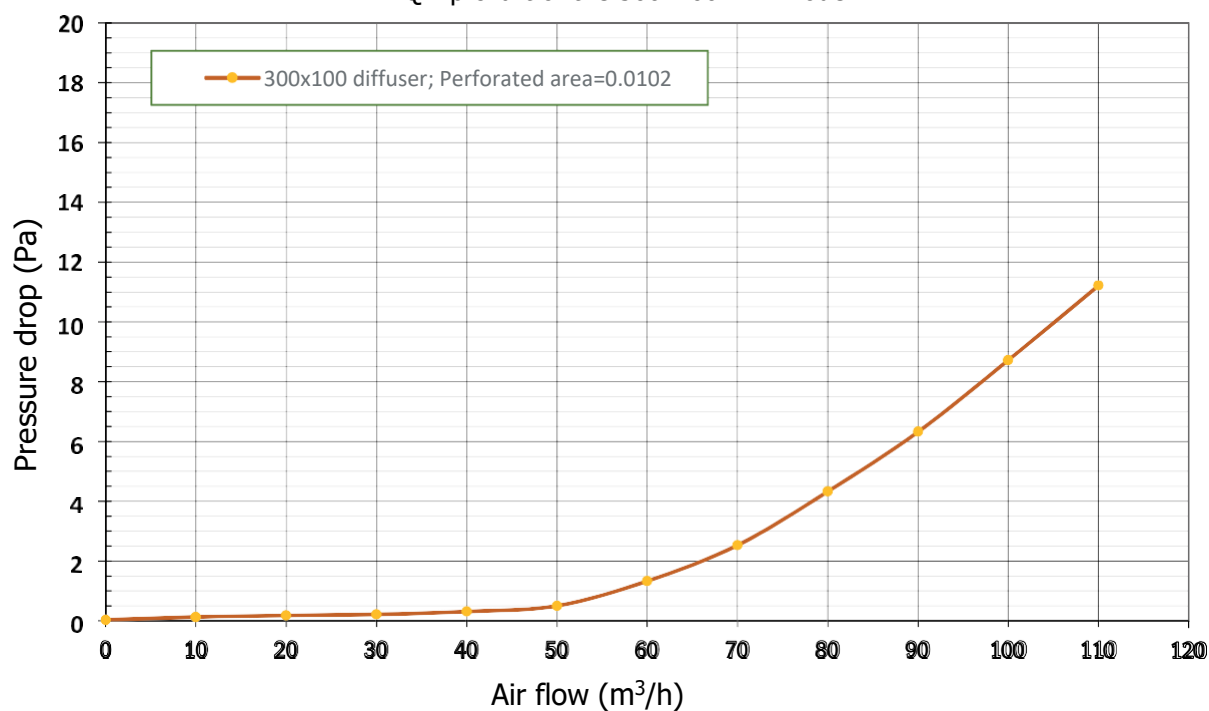
NOTA.

La griglia non ha a corredo la cornice;
per cui essa va installata direttamente sul
plenum-adattatore (tipo VMAD30X10--)
oppure direttamente a canale.

Misura foro BxH: 300x100 mm

GRAPH

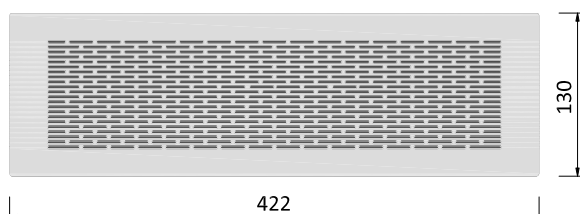
Perforated screen grids with horizontal slots ("horizontal slots")
Q-Dp chart of the 300x100 mm model



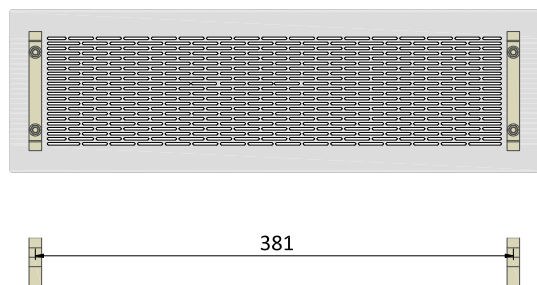
DIMENSIONAL

Griglia a schermo forato a "asole orizzontali" 400x100 mm nominali in lamiera bianca RAL9010
cod. VMGSFAO400X100B

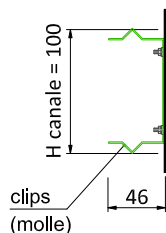
VISTA FRONTALE



VISTE POSTERIORE E DALL'ALTO



VISTA DI PROFILO



NOTA.

La griglia non ha a corredo la cornice;
per cui essa va installata direttamente sul
plenum-adattatore (tipo VMAD40X10-) o
oppure direttamente a canale.

Misura foro BxH: 400x100 mm

GRAPH

Perforated screen grid with horizontal slots ("horizontal slots")
Q-Dp chart of the 400x100 mm model

