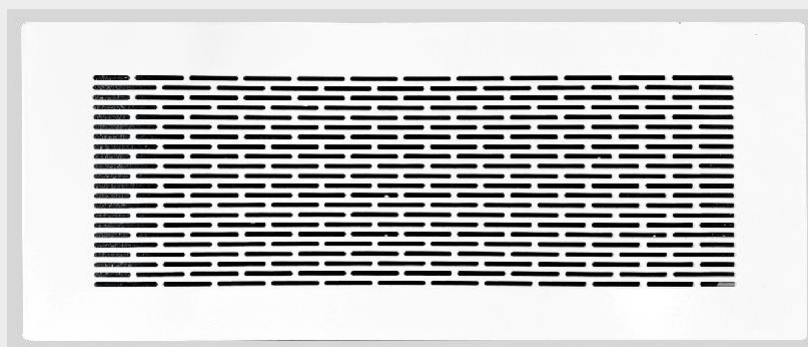


Perforated screen diffusers with horizontal slots

PERFORATED SCREEN DIFFUSERS WITH HORIZONTAL SLOTS



CARATTERISTICHE

Diffuser-grid, which can be used for both indoor 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 (see below as optional accessories) must also be installed.

Materiali di costruzione

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

Screen color

White RAL 9010 (with epoxy powder coating).

Fixing methods

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

ACCESSORIES (optional)

- Sheet metal-PVC adapters mod. VMAD20X10----/VMAD30X10----/VMAD40X10----.
- Accessory for ceiling installation: magnet kit for VMGSF (can be ordered together with the diffuser or adapter) code. VMADKM.
- Adapter accessories such as extensions, collar accessories, etc.

QUICK SELECTION TABLE

Code	Hole size BxH [mm]	Screen size [m m]	Total perforated area [m ²]	Flow rate (m ³ /h) with v _{through effect.} =1m/s	Flow rate (m ³ /h) with v _{through effect.} =2m/s	Flow rate (m ³ /h) with v _{through effect.} =3m/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

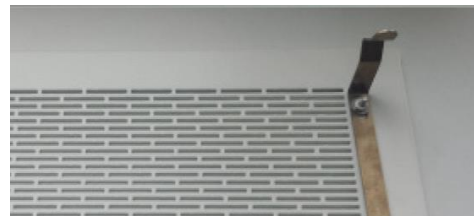
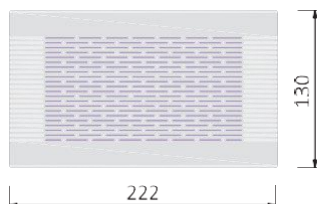
The $v_{\text{through effect.}}$ is the effective crossing speed of the grid slots. A hole flow coefficient of 0.75 is considered. Therefore the effective useful area (for calculating the flow rate) is also considered to be equal to $0.75 \times A_{\text{p}}$ (Total perforated area).

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

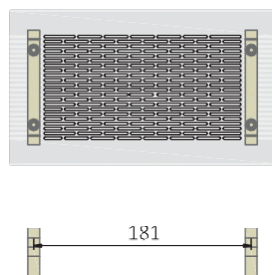
DIMENSIONAL

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

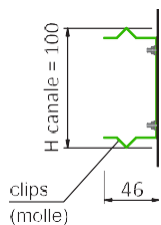
VISTA FRONTALE



VISTE POSTERIORE E DALL'ALTO



VISTA DI PROFILO



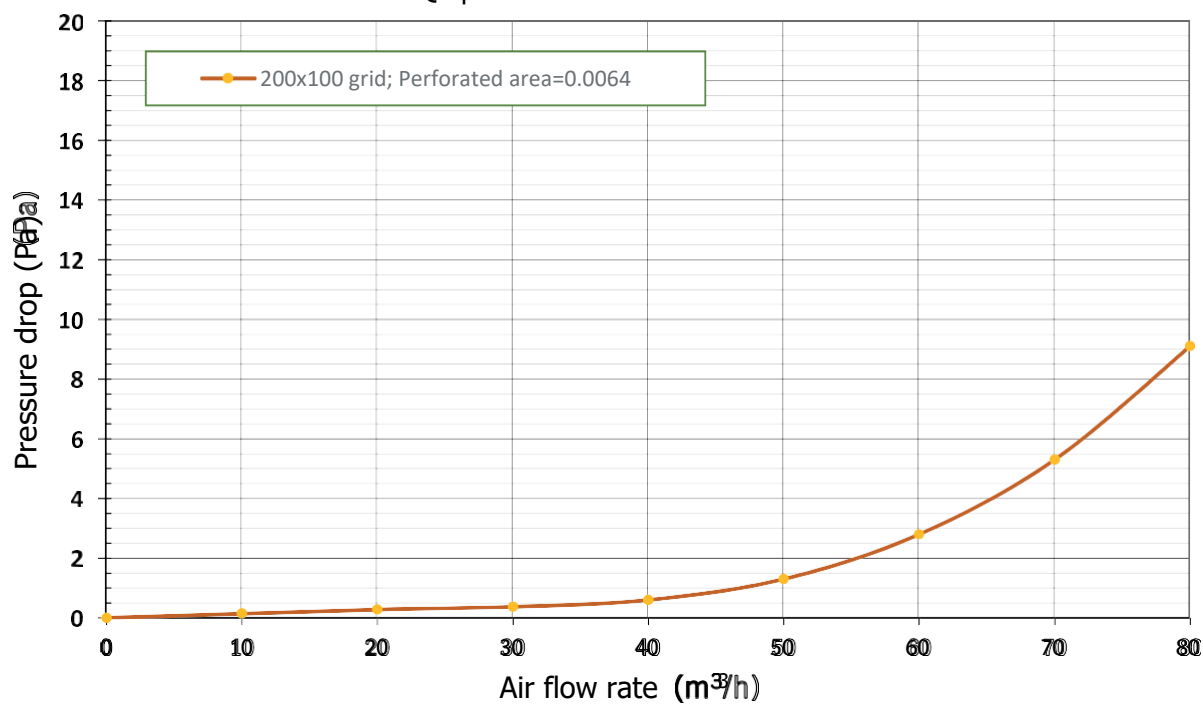
NOTA.

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

GRAPHIC

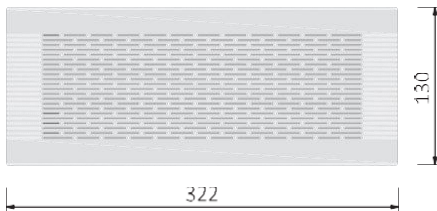
Perforated screen grids with horizontal slots ("horizontal slots")
Q-Dp chart of the 200x100 mm model



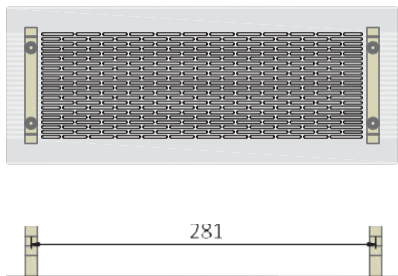
DIMENSIONAL

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

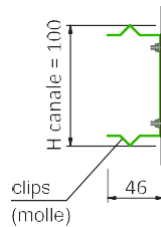
VISTA FRONTALE



VISTE POSTERIORE E DALL'ALTO



VISTA DI PROFILO



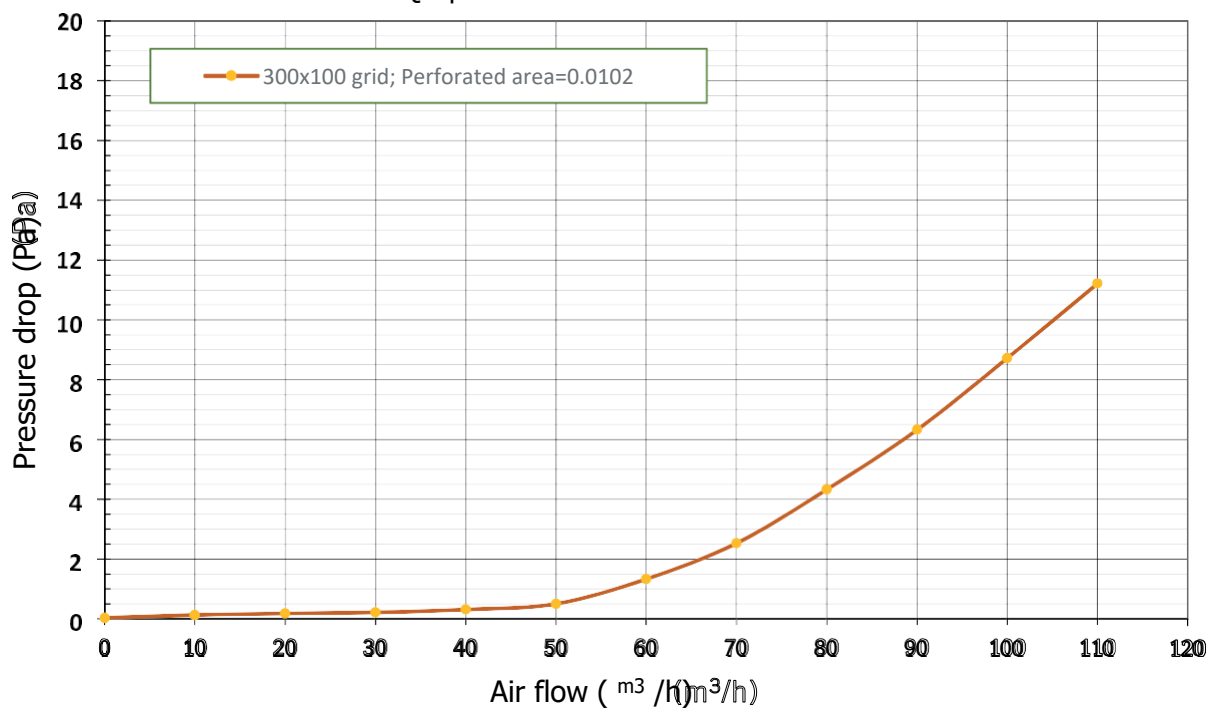
NOTA.

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

GRAPHIC

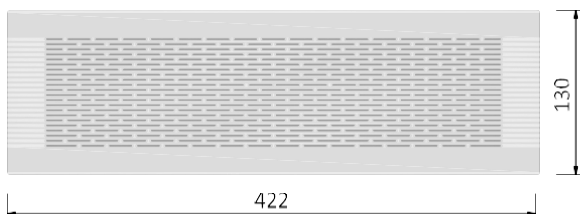
Perforated screen grids with horizontal slots ("horizontal slots")
Q-Dp chart of the 300x100 mm model



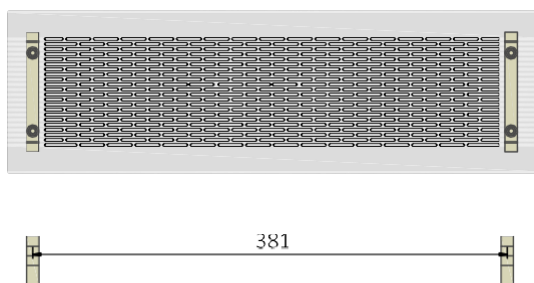
DIMENSIONAL

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

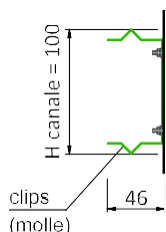
VISTA FRONTALE



VISTE POSTERIORE E DALL'ALTO



VISTA DI PROFILO



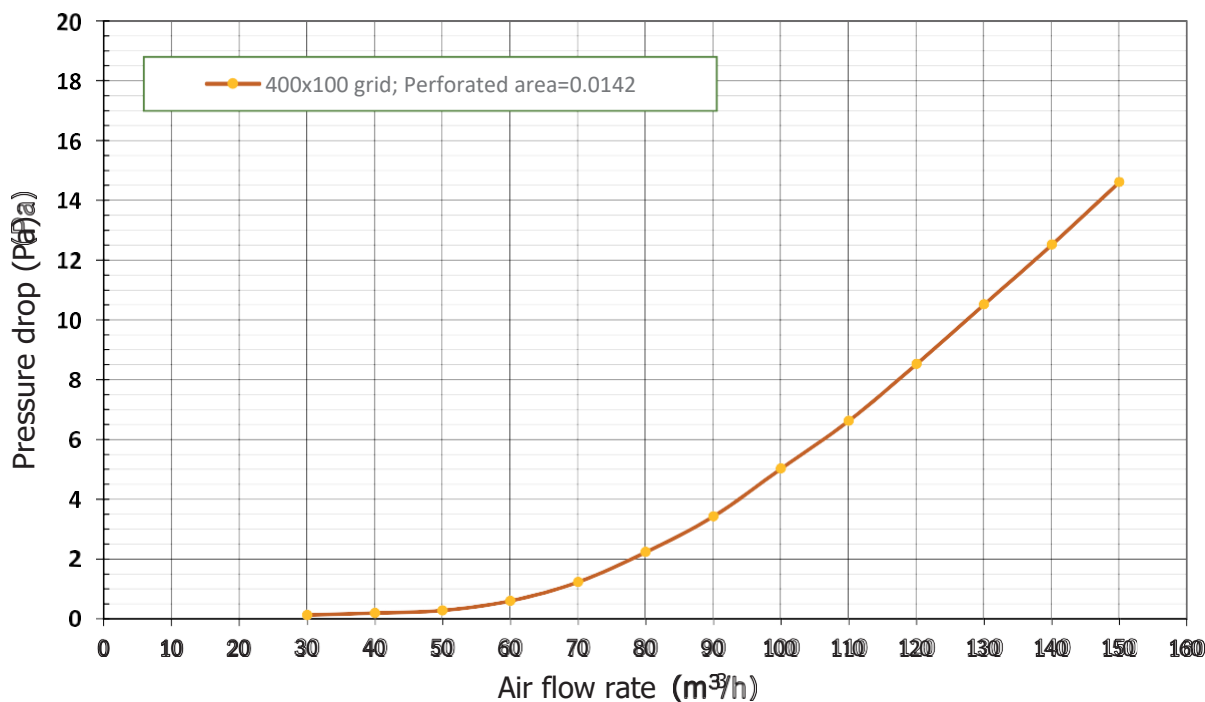
NOTA.

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

Misura foro BxH: 400x100 mm

GRAPHIC

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



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