

# Square flat diffuser 162x162 mm for diameter 125

FLAT SQUARE DIFFUSER 162x162 mm FOR Ø125



## CARATTERISTICHE

Square perforated diffuser-grid for Ø125 pipe/adapter that can be used for both indoor air supply and extraction consisting of a fixed perforated screen, which can be installed on wall/ceiling, with Ø6mm holes contained within a Ø125mm circle.

### Materiali di costruzione

- Powder-coated galvanized sheet metal thick. 1 mm for the screen.
- Steel wire with non-slip coating for springs to attach the screen to the tube/adapter/channel.

### Screen color

RAL 9010 white.

### Fixing method

Steel springs for fixing the screen to the Ø125 pipe/adapter/channel.

## ACCESSORIES (optional)

- PP adapter Ø125 cod. VMAVC(75/90)AP for wall installation.
- PP adapter Ø125 complete with extension tube cod. VMAVCPRO(75/90)AP for ceiling installation (and/or in cases where extension cord is required, which can also be ordered loose).
- Mounting panel on plasterboard cod. VMKFAV1251.

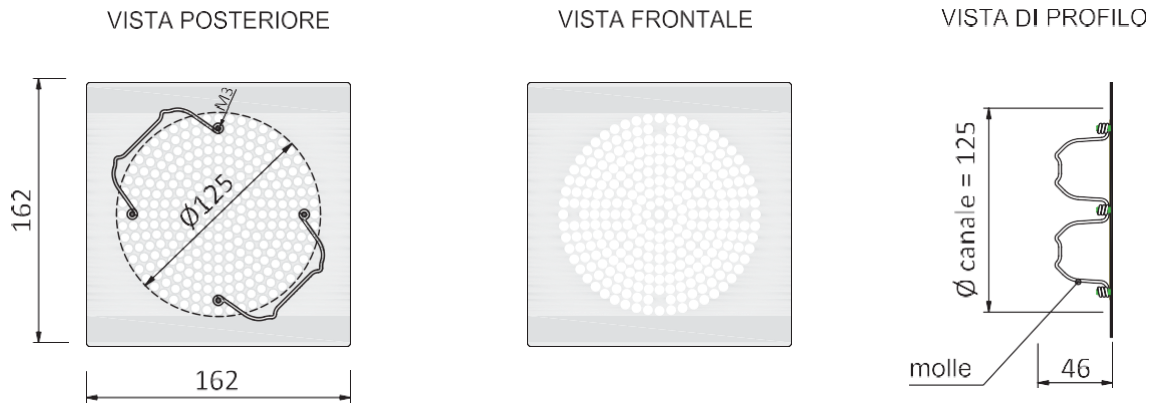
## QUICK SELECTION TABLE

Code	Hole size [mm]	Screen size [m m]	Area tot. perforated [m <sup>2</sup> ]	Flow rate ( m <sup>3</sup> /h) with v <sub>through effect.</sub> =1m/s	Flow rate ( m <sup>3</sup> /h) with v <sub>through effect.</sub> =2m/s	Flow rate ( m <sup>3</sup> /h) with v <sub>through effect.</sub> =3m/s
VMGSF16X16B125	Ø125	162x162	0.0077	21	42	63

The  $v_{\text{through effect.}}$  is the actual through-hole velocity of the grid holes. A hole flow coefficient of 0.75 is considered. Therefore for the effective useful area (for calculating the flow rate) we consider  $0.75 \times A_{\text{tr}}$  (Total perforated area).

See graph on next page for pressure drop at various air flow rates.

**DIMENSIONS**



**NOTA.**

La griglia non ha a corredo la cornice; per cui essa va installata direttamente sul tubo  $\varnothing 125$  oppure sull'adattatore  $\varnothing 125$ .

Misura foro  $\varnothing 125$  mm

**GRAPHIC**

**Grid for  $\varnothing 125$  perforated screen 162x162mm with holes diam. 6 mm**  
graph Flow rates - pressure drops Dp

