

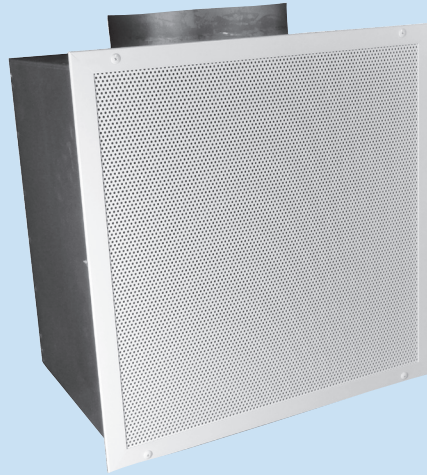
PFG

Low velocity diffuser



3.2

3 LOW VELOCITY DIFFUSER

**Desing:**

The PFG is a low velocity diffuser in prismatic design, with rectangular demountable perforated front plate and round or rectangular spigot (horizontally or vertically arranged). The demountable front plate consists of the perforated front sheet, a honeycomb rectifier and a second perforated sheet. Optionally the whole front will be cased with frame profiles (series PFG-SI and PFG-SK).

Function:

Through the interaction of the internal distribution elements with the perforated front panel with honeycomb rectifier the air emerges evenly over the entire outlet surface. The usually lower middle exit velocities of the low velocity diffusers in combination with an under temperature lead to the air dropping down to the ground due to the density difference, distributing to all sides and thus creating a so called pool of fresh air in the ground area. As a consequence of convection, the air then rises to the ceiling area once it reaches a source of warmth.

Material:

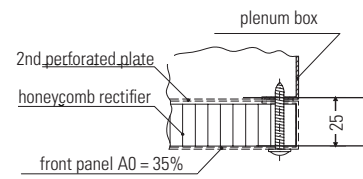
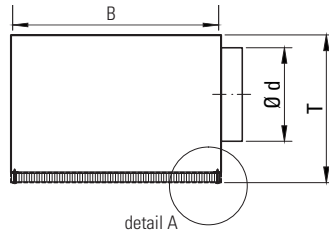
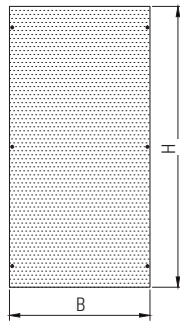
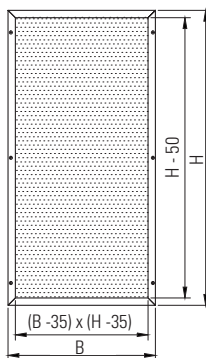
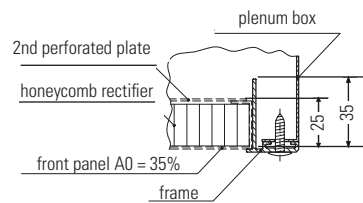
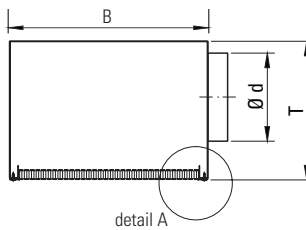
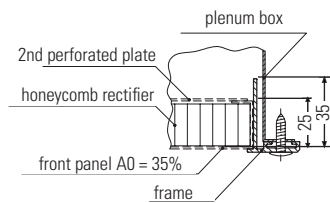
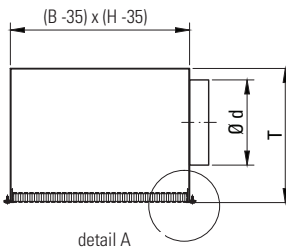
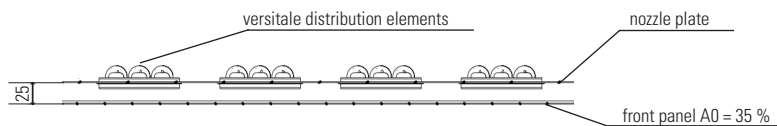
Plenum box and perforated sheet made from galvanised steel, frame profiles of extruded aluminium profiles. The visible front is coated in white (RAL 9010), honeycomb rectifiers made of polycarbonate in black.

Accessories / Options:

- special editions coated in any RAL-colour of choice
- diffuser made from aluminium
- special perforation

PFG

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Dimensions
PFG

PFG-S

PFG-SI

PFG-SK

PFG-SEV


size B x H [mm]	T [mm]	Ø d* [mm]
300 x 300	205	123
400 x 400	280	148
500 x 500	330	178
600 x 600	395	222

The dimensions given are external dimensions [mm] and can be varied within functional technical limits depending on the requirements.
 *Recommended connection diameter for air volumes at a mean outlet velocity of ~ 0.2 m / s. See quick selection.

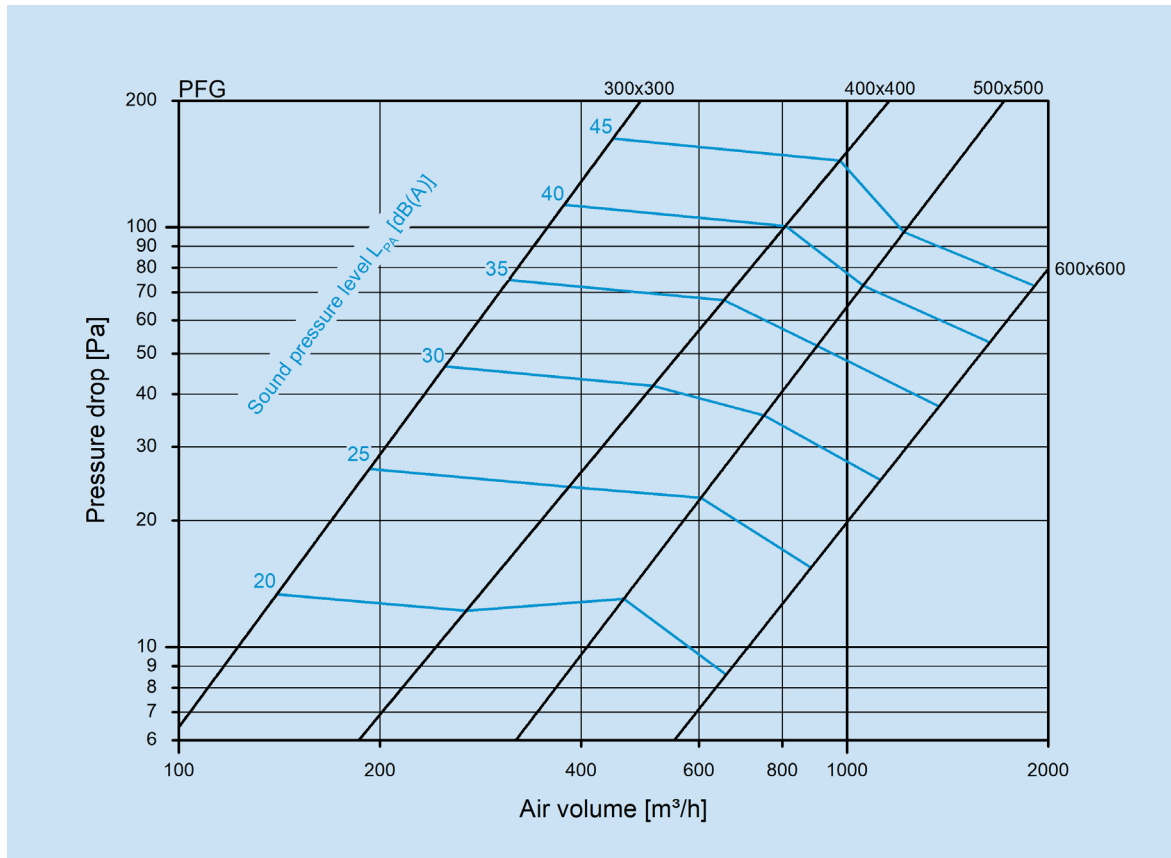
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Air technical data



3 LOW VELOCITY DIFFUSER

Quick selection

size	V [m³/h] at c = 0,1 [m/s]	V [m³/h] at c = 0,2 [m/s]	V [m³/h] at c = 0,3 [m/s]	V [m³/h] at c = 0,4 [m/s]
300 x 300	23	45	68	90
400 x 400	44	88	133	177
500 x 500	73	146	219	292
600 x 600	109	218	327	436

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Ausschreibungstext

PFG A low velocity diffuser in prismatic shape, consisting of a plenum box with a round or rectangular spigot and a front plate with a second inlaying perforated sheet with an integrated honeycomb rectifier. Plenum box with spigot and perforated sheet made of galvanised steel, the perforated front sheet is coated in white (RAL 9010), honeycomb rectifier made of black plastic.

PFG-SI / PFG-SK A low velocity diffuser in prismatic shape, consisting of a plenum box with a round or rectangular spigot and a front plate with a second inlaying perforated sheet with an integrated honeycomb rectifier, everything wrapped in frame profiles. Plenum box with spigot and perforated sheet made of galvanised steel, frame profiles made from aluminium and coated in white (RAL 9010), honeycomb rectifier is made of black plastic.

PFG-SEV A low velocity diffuser in prismatic shape, consisting of a plenum box with a round or rectangular spigot and a front plate with internal versatile distribution elements, everything wrapped in frame profiles. Plenum box with spigot and perforated sheet made of galvanised steel, frame profiles made from aluminium, coated in white (RAL 9010), distribution elements made of black plastic.

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Type PFG-

Quantity pcs.

Ordering example PFG- SI - B x H