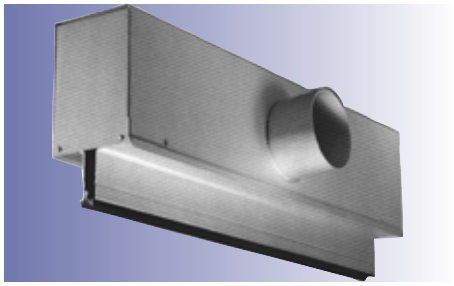


INDUL

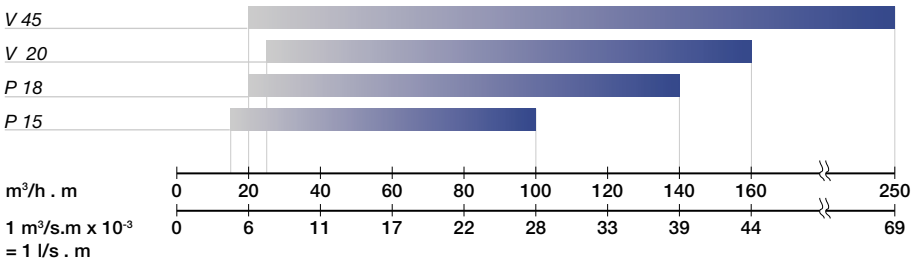
Linear diffusers for VAV systems

Product	**INDUL**
Construction material	**Aluminium**

Diffusers for areas that require a wide-spread distribution without turbulence, for air flow variations from 20 to 100% without changes in the behavior of the throw. They are particularly suitable for installation in the spaces of stave ceilings and thanks to the latest product developments also in gypsum false ceilings. Width of diffusion slots 15 mm, 18 mm and 20 mm.

Construction Natural aluminium plenum, double layer thermal insulation in aluminium (upon request), 40 mm neck, galvanized black extruded aluminium diffuser element.

Quick selection

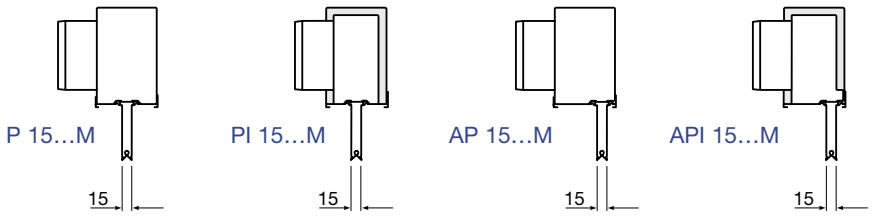


** Values with specific flow rate of 10 m³/h per m² with room height of 3 meters.*

	Q min.	Q max
** Lpa dB(A)*	< 25	40

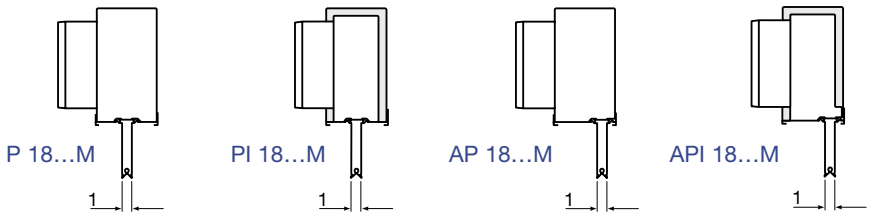
P 15
Air flow rate
15 - 100 m³/hm

Galvanized sheet air distribution box; extruded aluminium supply profile.



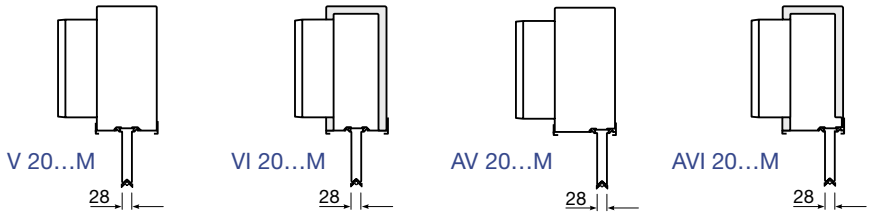
P 18
Air flow rate
20 - 140 m³/hm

Galvanized sheet air distribution box; extruded aluminium supply profile.



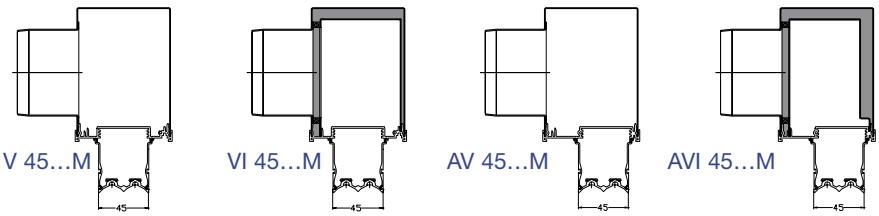
V 20
Air flow rate
25 - 160 m³/hm

Galvanized sheet air distribution box; extruded aluminium supply profile.



V 45 - 140 M
Air flow rate
60 - 250 m³/hm

Galvanized sheet air distribution box; extruded aluminium supply profile.



Accessories

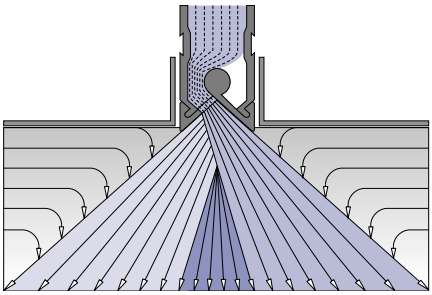
- mounting bars
- damper, adjustable from the room
- supplementary connections
- blind profiles to obtain a visual continuity
- profiles for fibre panels support
- profiles for plaster ceiling installation

INDUL

slot diffusers for VAV plants

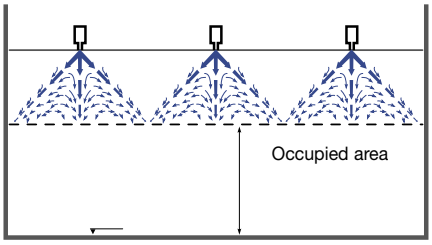
New integrated systems for dual systems DIFFUSER / CEILING

Induction is a phenomenon according to which primary air, or supply air, supplied by the diffuser. drags a certain quantity of room air. The two air flows mix and the temperature is equalized.
The "induction ratio" of a diffuser is the number of room air parts that are dragged by a part of the supply air at a reference distance by the diffuser itself. The higher the induction ratio, the faster the mix between the two flows of air and the equalization of the temperature.

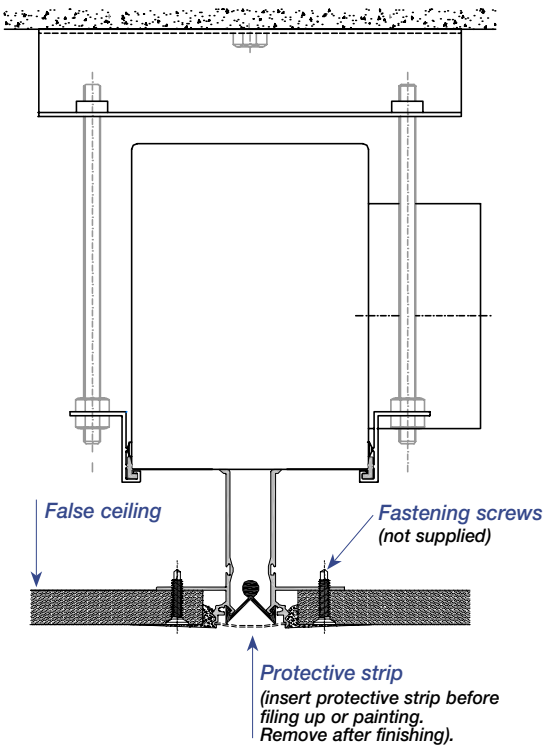


High induction diffusers are particularly suitable for rooms which call for a high number of air changes because they achieve a good diffusion level with great air flows and prevent the drop of cold air.
High induction diffusers distribute the air with very high induction ratios and are able to operate with wide temperature differentials that reach 14 K.
The air flow needed is therefore lower than with traditional diffusers.

The operating principle is based on the supply of several individual air jets, directly towards the occupied area, with non-tangential flow, as shown in the drawing to the side.



MG version for installation in gypsum false ceilings



MA version for installation in paneled false ceilings