



Munters Trapeze ventilation ceiling

Ventilation ceilingS

The trapeze ventilation ceiling is the optimum fresh air system in large-scale stable buildings without a suspended ceiling.

Advantages

- Very low speeds large-area ventilation without draughts or dead zones
- Easy to clean
- Easy to install
- Lightens the room
- Mineral wool for optimum thermal insulation, also available as a dual system
- Fresh air preheated in the winter
- DLG-geprüft



GRP trapeze ventilation ceiling

The perforated trapeze ceiling is covered with 2-layer mineral wool. This wool has been specially developed for this field of application and serves to evenly distribute the inflowing air within the stable. A fleece layer laminated on the underside of the mineral wool, which is laid on the trapeze ceiling, has a water-repellent effect. At the same time the system acts as economical ceiling insulation.

This system is well suited for year-round ventilation, when combined with ceiling fresh air inlets (ZED 1000, ZED 1500 or ZED 5000) for a summer air flow (combined diffuse ventilation). Further information can be found on the back of the page.

We additionally recommend insulating the ceiling cavity with air cushion foil, in order to prevent the roof space from heating up in the summer.



Trapeze ceiling aluminium

Also included in the range is the aluminium trapeze ventilation ceiling. The ceiling with its A1 classification is particularly useful in designs where it is necessary to comply with fire protection regulations. The use of mineral wool limits the fire protection class to A2.

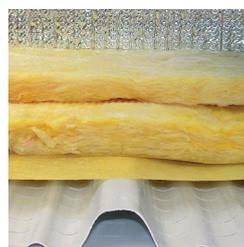
Variant + insulation



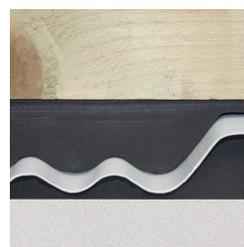
Mineral wool



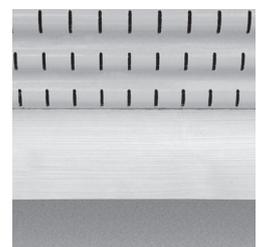
Air cushion foil aluminium-coated



Mineral wool dual



Corrugation filler

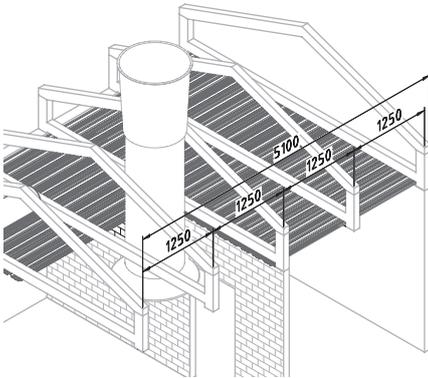


Sealing tape

Munters Trapeze ventilation ceiling

Ventilation ceilings

Laying dimensions



Technical specifications

Munters Trapeze ventilation ceiling		
Material	GFK	Aluminium
Colour	Light grey	Aluminium
Free span width Type 2500 ¹	[m]	2.50
Free span width Type 1250 ¹	[m]	1.25
Slot width	[mm]	3
Total perforated area	[%]	approx. 5
Fire protection class	B2**	A2 ²

¹Dependent on the number of fixing points and the material thickness of the insulation layer.

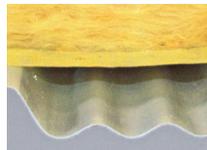
²Per DIN 4102

GRP trapeze ceiling*

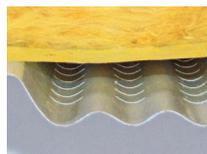
The non-perforated GRP trapeze ventilation ceiling is produced from profiled glass fibre reinforced polyester sheets. With its mineral wool base, the GRP trapeze ceiling is both an ideal as well as economical ceiling and wall covering in stable buildings.

The slotted GRP trapeze ventilation ceiling is perforated with approx. 3 mm wide slots. These slots ensure an even and very good distribution of air, also within large compartments.

*GRP = glass fibre reinforced polyester



Non-perforated



Perforated

Aluminium trapeze ceiling

The non-perforated trapeze ventilation ceiling comprises profiled aluminium, for increased fire protection requirements. It has a high-quality appearance and is flame retardant.

With its mineral wool base, the aluminium trapeze ventilation ceiling is both an ideal as well as economical ceiling and wall covering in stable buildings.

The slotted aluminium trapeze ventilation ceiling is perforated with approx. 3 mm wide slots. These ensure an even and very good distribution of air, also within large compartments.



Non-perforated

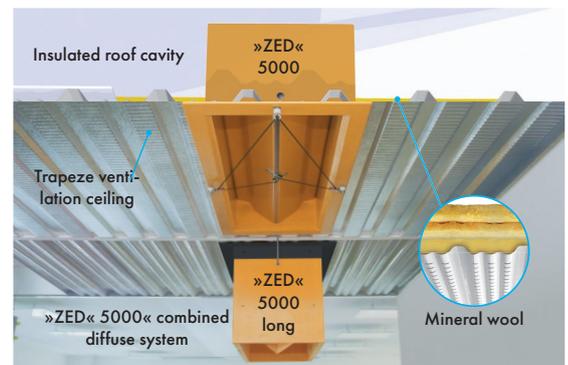


Perforated

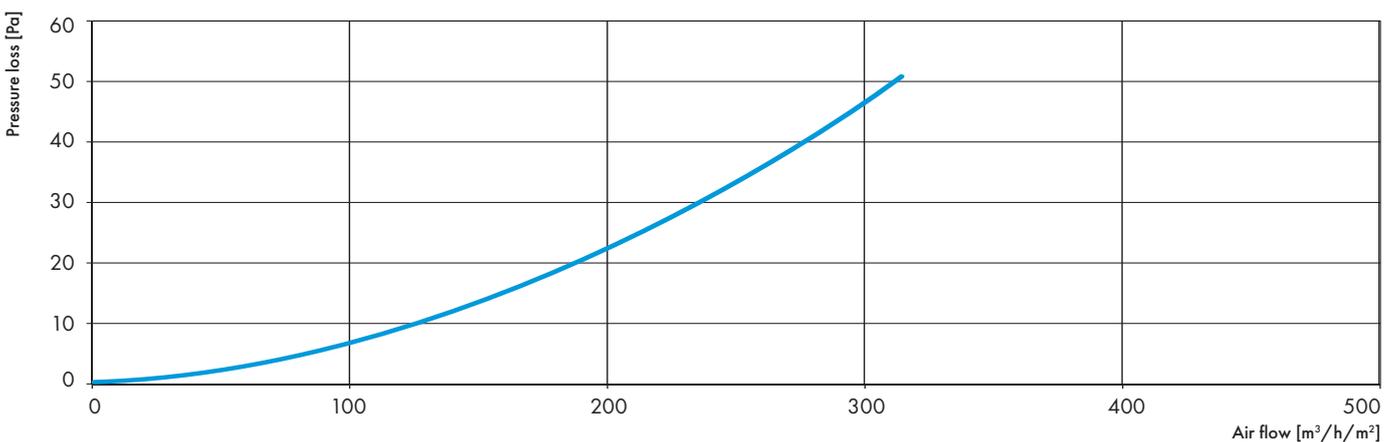
»ZED« 1500 double, »ZED« 1800 or 5000 combined diffuse system

Depending on the system, high air speeds cannot be generated with large air flows with the trapeze ventilation ceiling. With the addition of the large Munters ceiling inlet »ZED« 1500 double, »ZED« 1800 or 5000 this situation can be counterbalanced, because the opening increases the air speed (pulse effect) and thereby also induces the desired cooling effect.

We additionally recommend insulating the ceiling cavity with air cushion foil, in order to prevent the roof space from heating up in the summer



Air capacities of GRP trapeze ventilation ceiling



Find your nearest Munters office at www.munters.com

Munters reserves the right to make alterations to specifications, quantities, etc., for production or other reasons, subsequent to publication. © Munters AB, 2021