



The acoustics and air-conditioning of work rooms often fail to meet the user requirements. The solution: BALANCE COOL. The BALANCE COOL ceiling cloud system offers a perfect acoustic and climatic atmosphere.

>> Service

- Call our telephone hotline for advice on your individual situation.

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An ingenious system offering silent cooling combined with excellent acoustics

Staff in offices and work rooms need to feel comfortable. Noise and poor air-conditioning impair concentration and increase anxiety and stress. This has a negative effect on the performance of employees and can harm their health.

Through a combination of acoustics and cooling, the BALANCE COOL ceiling cloud provides the ideal solution for a pleasant and productive working atmosphere. Climate enhancement is achieved through natural convection – without the use of fans or conventional air-conditioning systems. The result is a draft-free and economical acoustic and climatic solution.



>> | How it works

BALANCE COOL coolers utilize the principle of natural convection. Cooled air sinks to the floor because of its greater density, allowing warm air to rise up to the cooler.

The cooling element consists of copper meanders pressed into large-area aluminum extruded profiles, in 2 layers joined by a Z-profile, with an element height of 80 mm. Feed and return via pipe connections with ½" external thread.



Product advantages

- Easy to install/remove giving greater flexibility and mobility in workplace design
- Low overall weight
- Complete preassembled systems for neat and easy installation on any ceiling
- Low-cost, individual system solutions for new buildings or for installation in existing situations
- Optimum cooling capacity through convection without ventilation
- High level of sound absorption for optimum room acoustics
- Building service installations are hidden from view
- Light reflectance > 87%
- Timeless design
- Choice of frame widths – 1.4 or 10 mm

Dimensions

Acoustic components

3,000 x 1,250 x 42 mm

2,500 x 1,250 x 42 mm

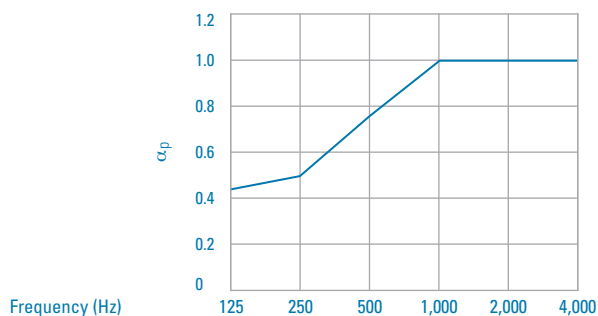
Cooling components

2,000 x 1,015 x 80 mm

2,500 x 1,015 x 80 mm

Other dimensions up to 3,000 x 1,250 mm on request.

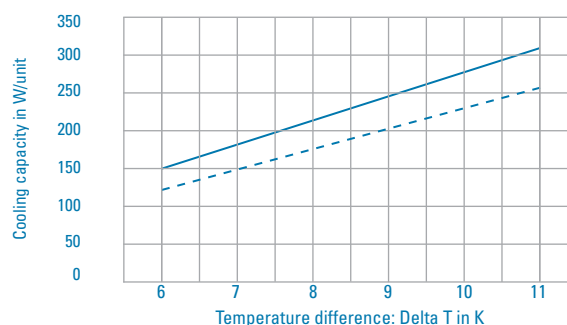
Sound absorption coefficient α_p , pinta BALANCE COOL, according to DIN EN ISO 11654



Format: 2.5 x 1.25 m, thickness 20 mm

α_p	0.45	0.50	0.75	1.00	1.00	1.00
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Cooling capacity: pinta BALANCE COOL



Format: 3 x 1.25 m

Format: 2.5 x 1.25 m

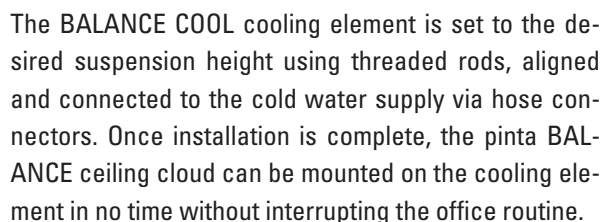
BALANCE COOL product data

Characteristic	DIN	Value
Base material		Melamine resin foam with fleece laminations and all-round aluminum frame
Color		white
Material density*	EN ISO 845	9.5 ± 1.5 kg/m³
Fire rating	DIN 4102	B1 (flame-retardant)
General test certificate issued by building authorities		P-NDS04-361
Long-term temperature stability		80 °C
Short-term temperature stability		100 °C

* Pursuant to EN ISO 845 determined with samples having the following minimum dimensions: 250 x 250 x 250 mm.

>> Choose from a range of alternatives:

- pinta BALANCE ceiling cloud
- pinta BALANCE PLUS ceiling cloud
- pinta Absorber LINEAR



Version: 06/11

Checklist

Material

BALANCE COOL ceiling cloud forming a sound-absorbing and cooling acoustic element consisting of:

Acoustic component

☐ All-round extruded profile frame with visible frame width of 1.4 or 10 mm depending on customer requirement, and an acoustic element with a thickness of 20 mm and the necessary substructure components for easy, professional mounting on the cooling element. The visible side of the acoustic element is similar to RAL 9016 (with a light reflectance of 87 %), the back of the element is finished in anthracite. Building material class B1 according to DIN 4102 (ABP P-NDS04-361).

Cooling component

☐ Support rail of angle design measuring 80/50/1.5 mm, made of galvanized steel sheet for holding the aluminum cooling profiles, and fixing brackets for screw-fastening the cooling element, forming a stable, rigid construction.

Heat transfer plate consisting of parallel aluminum extruded profiles of modular construction.

Copper pipe meander in two layers, 12 x 0.5 mm, according to DIN 8905 (F 22), eddy current tested, bent from a single piece to form a meander with a pipe distance of 180 mm. For optimum heat transmission, the meanders are pressed into the heat transfer plate under defined conditions of time and pressure. The meander ends have a ½" external thread to accommodate a flexible or rigid connection.

Acoustic component

Dimensions

- ☐ 3,000 x 1,250 x 42 mm
- ☐ 2,500 x 1,250 x 42 mm

Frame colors

- ☐ white (similar to RAL 9016)
- ☐ Anodized (similar to E6EV1)

Frame

- ☐ 1.4 mm visible surface
- ☐ 10 mm visible surface

Cooling component

Dimensions

- ☐ 2,500 x 1,015 x 80 mm
- ☐ 2,000 x 1,015 x 80 mm

Color

black

>> | Contact /Enquiries

Company stamp:

Quantity:

m²

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