

DAMPA Climate Ceilings



Climate Ceilings  
COOLING • HEATING

**DAMPA**<sup>®</sup>  
Made in Denmark

# DAMPA Climate Ceilings

## COOLING • HEATING

The DAMPA Climate program includes DAMPA Clip-in Tiles integrated with cooling-/heating tubes.

A climate ceiling from DAMPA forms the basis for a healthy, clean and comfortable environment without any drafts.

The solution is ideal in bedrooms, offices, hotels and other environments where good indoor air quality is the main determinant of well-being and health.

A perfect indoor climate with minimal sound reflection creates optimal conditions for well-being. The reduction of air circulation further minimizes bacterial proliferation and the risk for transmission of diseases.

The installations in a climate ceiling are concealed above the ceiling element, thus design wise providing a point of calm and minimalistic ceiling surface.

DAMPA Climate Ceilings are significantly cheaper to run than a traditional ventilation/air condition system.

All in all the benefits from the energy efficient operation held together with the greater well-being will provide a significant economic advantage. Therefore, the investment in a climate ceiling will be paid back in short time.



LOW NOISE LEVEL

ECONOMIC BENEFITS

HEALTHY INDOOR CLIMATE

FLEXIBILITY

WELL-BEING



## HOW DOES OUR “COOL” CEILING WORK ?

Unlike traditional air condition systems where a predetermined temperature is set for the room the DAMPA Climate Ceiling is constructed as an absorber of the heat generated from people or objects in the room.

This will give you a comfortable room without the unpleasant drafts known from traditional air condition systems. Further, the climate ceiling is a very silent solution without noisy electrical components.

## COMBIINSTALLATION WITH COOLING/HEATING

A climate ceiling from DAMPA is much more than a temperature reducing ceiling. A wall to wall climate ceiling can be connected to a “change-over facility” that can be used when there is a need for both chilling and heating effects.

In all kind of building sector, this leaves the designer with a far more flexible room without consideration as to the location of the heaters.

Further, the climate ceiling sets no future boundaries on how the room is designed. If walls are to be moved, added or removed, the ceiling can easily be demounted and remounted without any changes of the ceiling construction.

## DEVELOPED FOR

- OFFICES
- SCHOOLS
- HOSPITALS
- ANY ROOM THAT REQUIRES  
A GOOD INDOOR CLIMATE



## WELL-BEING

An indoor climate without disturbing sound reflection and unpleasant draft, is the perfect set off for a good working environment with high well-being. Satisfied employees are more productive and have less absence.



## VENTILATION

Together with a “comfort” ventilation system, the climate ceiling is a perfect solution. A DAMPA Climate Ceiling provides access to several advantages.

When a ventilation system only has to circulate fresh air and does not need to regulate the temperature of the room, the dimensions of the ventilation system can be significantly reduced.

This will reduce the total costs of running the ventilation system and further reduce noises from that. The installation height can also be reduced due to the reduction of the dimension of the ventilation systems.

## DESIGN

The cooling-/heating pipes are not visible, leaving the ceiling with an aesthetic and minimalistic look.

DAMPA Clip-in Tiles have many design options with multiple colors, different perforation patterns and can be delivered with square or beveled edges.

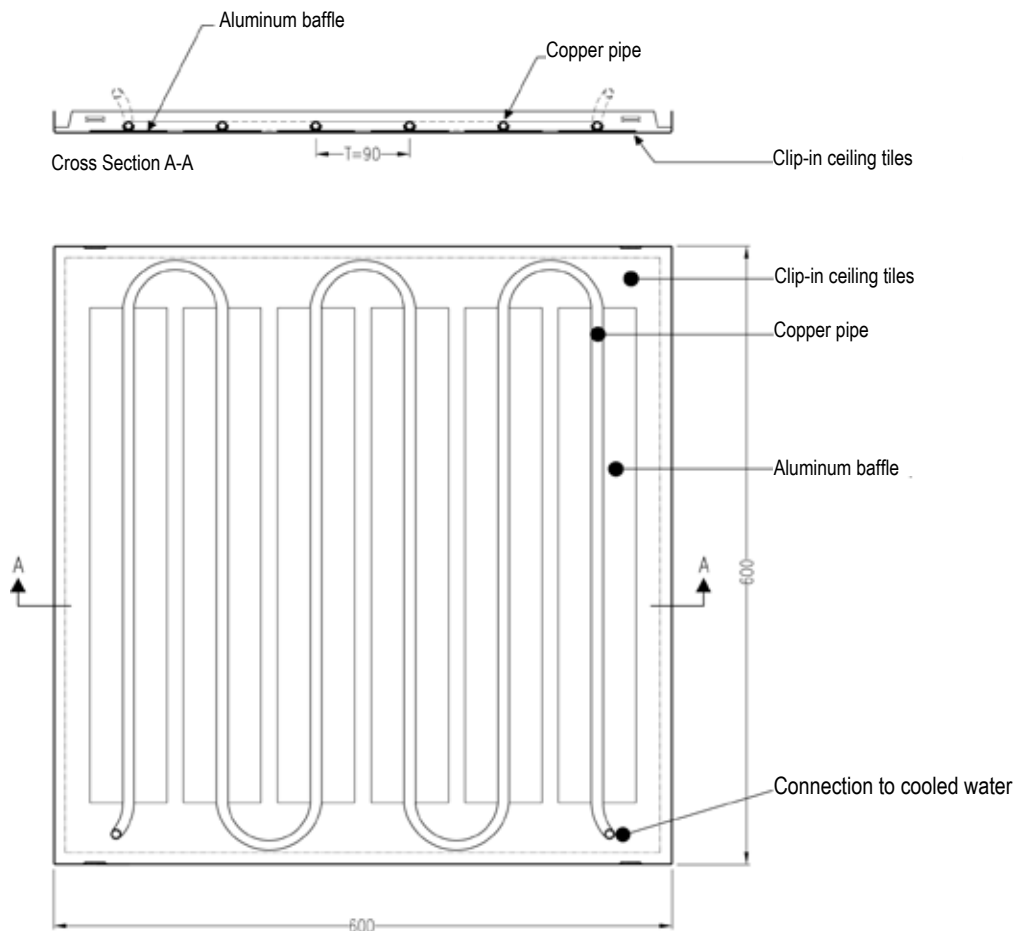
## ENERGY SAVING OPERATION

There are good economic benefits in a DAMPA Climate Ceiling which is operatively significantly cheaper to run, than a traditional ventilation system with cooling and conventional heating systems.

### DAMPA Climate Ceiling: THE BENEFITS

- ENERGY SAVING OPERATION
- COMFORTABLE INDOOR CLIMATE
- MINIMAL MAINTENANCE
- NO DRAFTS
- FLEXIBILITY
- MINIMALISTIC DESIGN
- HEALTHY ENVIRONMENT

## TECHNICAL SPECIFICATIONS



### SPECIFICATION ON COOLING-/HEATING ELEMENT:

Total length: 500 mm

Total height:  $\leq 15$  mm

c/c pipe distance:  $\geq 90$  mm (standard)

Installation height:  $\geq 100$  mm.+

Interface: Flexible connections with quick couplers.

Standard cooling capacity up to  $90 \text{ W} / \text{m}^2$  for LI-60M elements bonded with Clip-in tiles with acoustic felt (DIN 4715).

The cooling-/heating pipe has no mechanical parts, thus the system requires minimal maintenance

The Clip-in tiles have an acoustic felt bonded to the back. Together with the perforation this contributes to the acoustic properties of the ceiling.

Further, the acoustic felt prevents dust etc. to penetrate the perforation in the ceiling.

DAMPA Clip-in tiles are manufactured in accordance with the quality management system, DS/ EN/ ISO 9001:2008.

For any project, our technical team calculates the optimal number of Climate tiles and ventilation components needed for a perfect indoor climate.

For further information and requisition of technical calculations, please contact DAMPA at tel. +45 63 76 13 00.