



Air-water systems Active chilled beam for ceiling installation type HDC

Designed for installation in band grid ceilings of low height. Optimized for cooling office rooms. Overlap or non-overlap installation.

View of unit

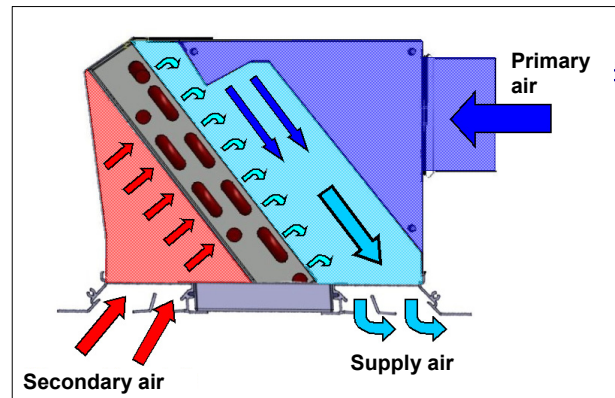


Features

- **Low installation height** (240 mm)
- **Virtually noiseless** operation
- **Controlled room air flow** even in case of varying loads.
- **High cost-effectiveness** due to small water volumes.
- **High thermal comfort** in the occupied zone, due to low air speeds, very low sound power levels with high cooling capacity and fresh air supply.
- **Control** water side by valves (accessory).
- **Condensate-free operation**
- **Non combustible** metal housings and nozzle
- **Maintenance-friendly design.** Valves and heat exchanger are easily accessible by removing the grille.
- Pleasing **combined air inlet / air outlet grille**, not requiring any additional return air grilles or shadow joints.
- **Colour** according to RAL.
- **HDC to supplement the fan coil unit VDC** of the same look.
- **Great variety of LTG accessories**, among others control units, dampers, valves, flexible tubes etc.

Mode of operation

Primary air is pushed through internal metal nozzles, which induces room air through a heat exchanger where it is cooled or heated. The primary air is mixed with the heated or cooled secondary air and delivered into the room.



Functional principle (cooling mode)



Room air flow visualization possible in the LTG lab (LTG Engineering Services)

Details

The active chilled beam type HDC is available as:

- 4-pipe systems for cooling and heating
- 2-pipe systems for cooling or heating

Dimensions (length x width x height):
1240 x 340 x 240 mm