



Heating and cooling
without adjustment!

... saves you money

Displacement diffusers

QR-KH

Displacement diffusers QR-KH

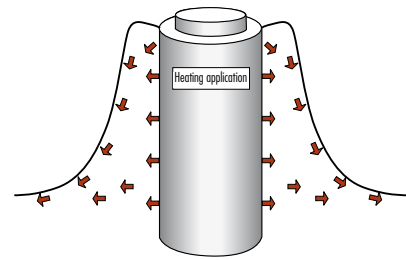
Air conditioning systems for production halls are making increasing use of strategically positioned displacement diffusers in areas occupied by operators, as they provide an enhanced ventilation effect compared to mixed-air outlets or overhead mounted displacement-type outlets. Use of displacement diffusers means that a lower volume of air is required in order to dissipate thermal loads or contamination from manned areas of the hall. This means that money is saved already at the installation phase due to the use of smaller ducts and so on.

Also during running operation, lower energy costs are incurred, as less air has to be conditioned and transported.

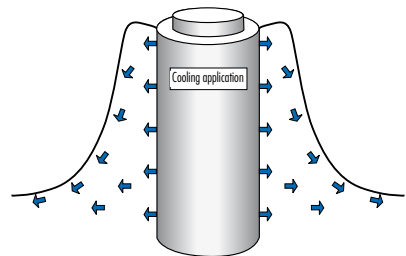
Because it is fitted with special built-in components, the displacement diffuser type QR-KH can be deployed both for cooling applications to -5 K and heating applications up to +5 K without the need for adjustment of the air outlet direction. For cooling applications, the end speed of the air current has dissipated already at close proximity to the outlet, so eliminating any sensation of draft. For heating applications, penetration depths of up to 7 metres are achieved before the heated supply air rises above the manned area.

You too can benefit from the advantages of this displacement diffusers series!

- For use at $\Delta T = -5K$ to $+5K$
- High ventilation efficiency permits a lower air volume, resulting in permanently low energy costs
- No laborious regulation required, meaning lower installation and running costs
- No time wasted with on-going arguments about outlet settings
- Cost savings for maintenance and repairs
- Manufactured entirely of galvanized sheet steel, meaning less risk of pollutant emissions in case fire
- Smooth surface finish permits simple cleaning



Displacement diffuser type QR-KH - 2000 dia. 580 for heating applications $V_{supply} = 5000 \text{ m}^3/\text{h}$ $\Delta T = -5K$



Displacement diffuser type QR-KH - 2000 dia. 580 for cooling applications $V_{supply} = 5000 \text{ m}^3/\text{h}$ $\Delta T = -5K$

