TROX® TECHNIK
The art of handling air

DISPLACEMENT FLOW VENTILATION – DIFFUSER ABOVE THE CORRIDOR

Miele, Gütersloh, Germany

Type QLW-AZ displacement flow diffusers for supply and extract air ensure high thermal comfort since there is only a small difference between supply air and room air, and the airflow is of low turbulence. They are not suitable for the dissipation of high heat loads, which is why a combination with thermally activated components or with a passive chilled beam is common.

Displacement ventilation means that air is supplied to the room with very little momentum; it then rises due to the convection from people and other heat sources such as electrical equipment or lamps.

As an alternative, classical displacement flow diffusers may be combined with component activation or passive chilled beams installed close to the floor.

QLW-AZ COMBINATION DISPLACEMENT FLOW DIFFUSERS

14 – 42 l/s
50 – 150 m³/h
L: 600 – 1.200 mm, H: 250 mm

QL-WV-RO-K DISPLACEMENT FLOW DIFFUSERS

14 – 309 l/s
49 – 1.113 m³/h
H: 580 – 1.504 mm