

## Technical features

Switching from cooling mode to heating mode is achieved by the thermocouple making the inside feed funnel rotate through a linear movement and lifting it, based on the supply air temperature in the plenum box.

If the feed funnel is lifted, the supply air streams out vertically from the outlet. Even in the event of very high over-temperatures, a very good penetration depth is achieved.

## Available sizes

IDATE-Q and IDATE-R  
in the nominal width 400 - 800  
with automated  
Thermocouple adjustment

## Accessories

- plenum box
- Damper
- Rubber lip seal
- Plenum box insulation

SCHAKO stands for competence in the ventilation and air conditioning technology. The quality standard and the reliability of our products are well-known throughout Europe. In our own test laboratories we develop solutions which sustainably optimise the indoor climate in work environments and public spaces. With sites in Germany, Spain, Hungary and Turkey we deliver quickly and flexibly in all of Europe.

We carry a broad standard range and are optimally geared to meet special air demands with individual and intelligent solutions.

### Pure competence in air

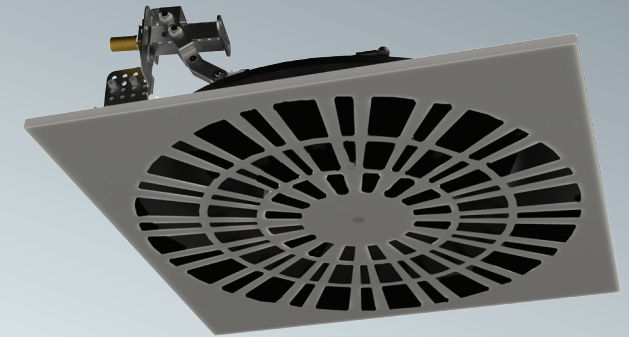
As air specialists, the companies of **SCHAKO Group - NOVENCO Building&Industry, REVEN, SCHAKO, SCHNEIDER Elektronik and SIROCCO** - provide a unique portfolio of ventilation, air conditioning, smoke extraction and fire protection products and system solutions for the commercial construction, public buildings, canteen kitchens, laboratories, the process industry, stairwells, underground car parks and tunnel systems.

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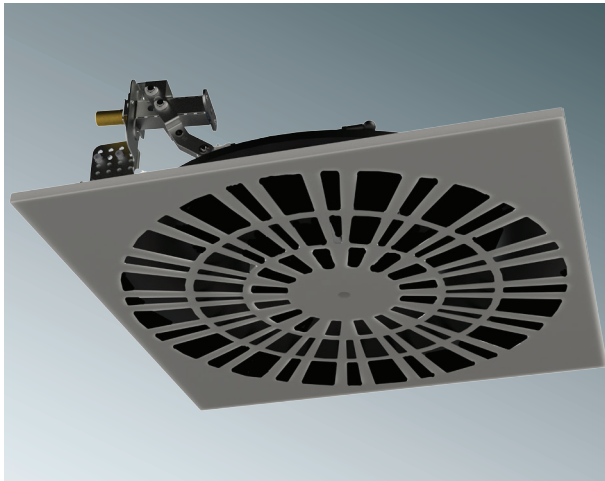
Pure competence in air.



## IDATE

### Ceiling air diffuser with automatic thermocouple

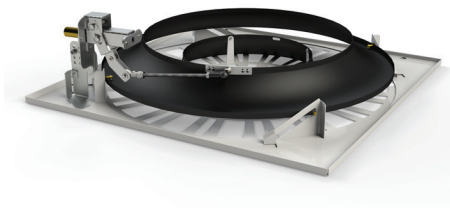
Air diffuser for the cooling and heating of large halls with adjustment by thermocouple. In cooling mode, the supply air jet must stream out horizontally. In heating mode, a large penetration depth is expected for fast heating. SCHAKO IDATE optimally meets both requirements.



## Areas of application

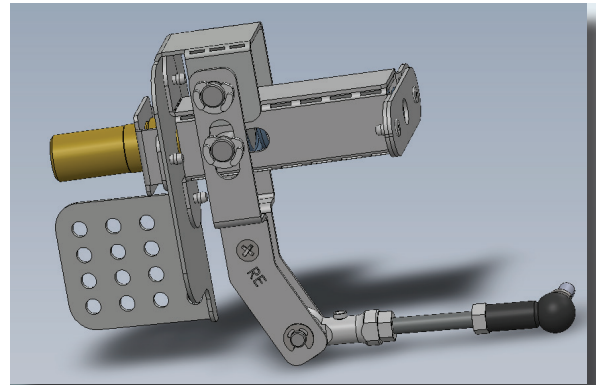
### Everything integrated

Ceiling diffuser for cooling and heating of large halls.



### Principally very simple:

The thermocouple lifts and lowers the air baffle fully automatically according to the inflow temperature. Done.



## Function

### No external control required

- The IDATE with thermocouple consists of an adjustable air guide funnel and a front plate.
- The adjustable air guide funnel is varied by a thermocouple in such a way that a vertical (heating mode) or horizontal (cooling mode) supply air jet is created.
- When using a thermocouple adjustment, a vertical supply air jet (heating mode) is created from a supply air temperature of approx. 26°C.
- At supply air temperatures < 26°C, a horizontal supply air jet (cooling mode) is created.



### Cooling mode



### Heating mode



## Benefits

Switching from heating to cooling mode is achieved automatically due to the supply air temperature without using electrical energy.

Low investment costs by saving the actuator and electrical wiring.

## Performance values

### Quick selection

Nominal width	400	500	600	800
V <sub>min</sub> - in m³/h	280	300	400	800
V <sub>max</sub> - in m³/h	1300	2000	3000	4000
<b>V at 40 dB(A)</b>				
Cooling mode- in m³/h	530	780	1100	1550
Heating mode- in m³/h	600	850	1250	1800