

## Technical features

The ceiling air diffuser type CPL is either put on and connected to the ceiling panel on site or delivered in the installed state on ceiling panels provided by the manufacturer. CPL is particularly suitable for the following ceiling panels:

- FQ 16.2% - RG-L15 - Ø 2.5 mm
- FQ 25.0% - RV-L6 - Ø 2.1 mm

## Available sizes

The ceiling air diffuser CPL is available in size 3 (300 mm) and size 5 (500 mm) for the integration on perforated ceiling panels.

Adaptation to the respective ceiling panel is achieved by a support plate to be connected with the ceiling panel, which is variable in width from 300 mm to 625 mm.

## 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.

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Pure competence in air.



## CPL

**Ceiling diffuser system for the air-side activation of ceiling panels on site**

Behind this elegant ceiling panel there is a little masterpiece - invisible, but very effective and inexpensive: the new ceiling diffuser SCHAKO CPL perfectly combines functionality with design.



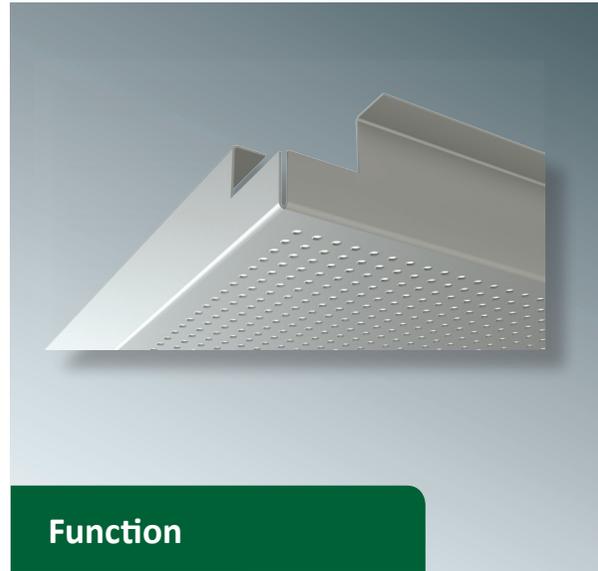
## Areas of application

### The little secret is the funnel

The ceiling air diffuser type CPL for supply and return air is suitable for use in rooms from 2.6 to 4 m high. With the supply air model, a special intake funnel behind an existing on-site perforated ceiling panel creates a horizontal air jet below the ceiling for cooling mode and isothermal ventilation mode.

Primarily, this diffuser serves to supply the personal air requirement to the respective rooms.

Connection to the duct network is possible via the available plenum box.



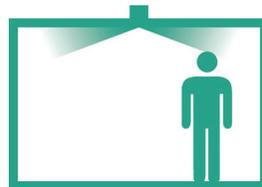
## Function

### The great advantage is its effectiveness

The supply air and return air diffusers are supplied with air or connected to the duct system via a direct hose/duct connection or via a plenum box.

The stable air jet and high induction mean that the CPL ceiling air diffuser can be used in cooling mode up to  $\Delta T_0 \leq -10$  K.

The resistance created by the perforated ceiling panel ensures that the supply air is distributed equally across the whole surface of the ceiling diffuser.



## Benefits

Using the ceiling air diffuser CPL allows for an invisible integration of supply air and exhaust air into a perforated ceiling system.

## Performance values

Type	Connection	Sound level	Power
CPL-...-3-	Pipe connection	35 dB(A)	120 m <sup>3</sup> /h - 18 Pa
CPL-...-5-	Pipe connection	35 dB(A)	160 m <sup>3</sup> /h - 18 Pa
CPL-...-3-	plenum box	35 dB(A)	90 m <sup>3</sup> /h - 14 Pa
CPL-...-5-	plenum box	35 dB(A)	160 m <sup>3</sup> /h - 19 Pa