

PARAGON™

Comfort Module for hotel rooms, hospital rooms and offices



PARAGON

PARAGON provides the maximum comfort with the minimum installation height

- ▶ Great Comfort
- ▶ Compact
- ▶ Low Sound Level
- ▶ Low Maintenance

PARAGON is a compact Comfort Module primarily intended for ventilating, cooling and heating in hotel rooms, hospital rooms and offices. With the technique used, patent pending, the cooling and heating capacity are optimised, while the height is kept to the absolute minimum.

The unit's low height enables space to be maximised and lets in more light, as for instance in hotel room entries.

The primary air is distributed from a central air handling unit, which gives a very low sound level in the room.

PARAGON has very low service needs, since it neither needs a filter nor its own fan. The system runs dry so there is no need for a drainage system.

PARAGON is adapted for Plug and Play installation and comes with all the necessary control equipment as standard.



- The air distribution which is parallel with the ceiling enables the PARAGON to be placed at the rear of the room.
- Adjustable supply air grilles for directing the air vertically.
- ADC (Anti Draught Control) for horizontal diffusion or direction of the air.
- The enclosed unit means that the recirculated air never comes into contact with the space above the false ceiling.



Hotel Room



Office



Hospital Room

Hotel rooms and hospital rooms

Hotel Room

PARAGON, along with the CONDUCTOR room control system, is the optimum solution for hotel rooms.

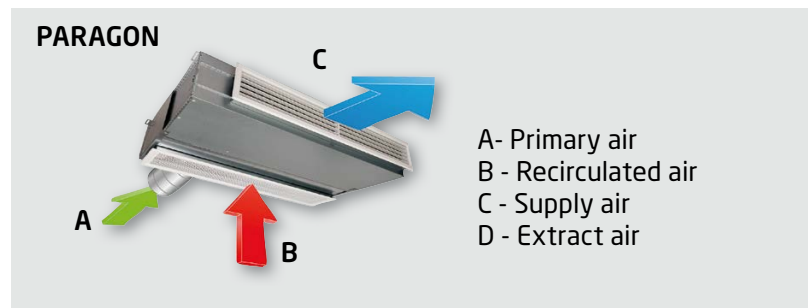
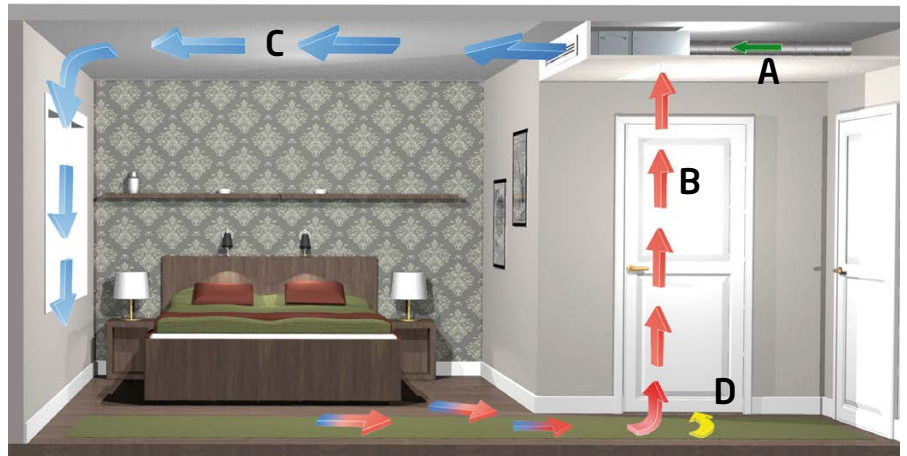
When the key card is placed in its holder, the airflow increases from the economical low flow to the normal flow, while the temperature adjusts to the comfort level. When the room is empty, the ventilation returns to the economic low flow.

In addition to the automatic room control, the guest can manually set the airflow in three steps as well as the desired temperature.

Hospital Room

For hospital and similar rooms, the airflow and temperature can also be controlled by CONDUCTOR. A simpler version is the LUNA room control system, where the airflow is constant but the temperature is individually controlled in each room.

PARAGON is a dry system, which combats the risk of bacterial growth. Even so, where the option to carry out disinfection and cleaning is required, there is an accessory kit available, with quick-fit couplings, flexible hoses and shut-off valves for quick and easy disassembly.



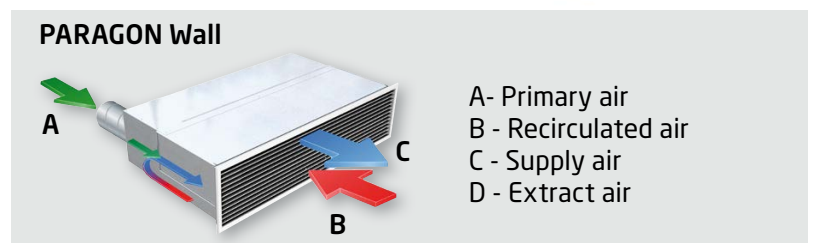
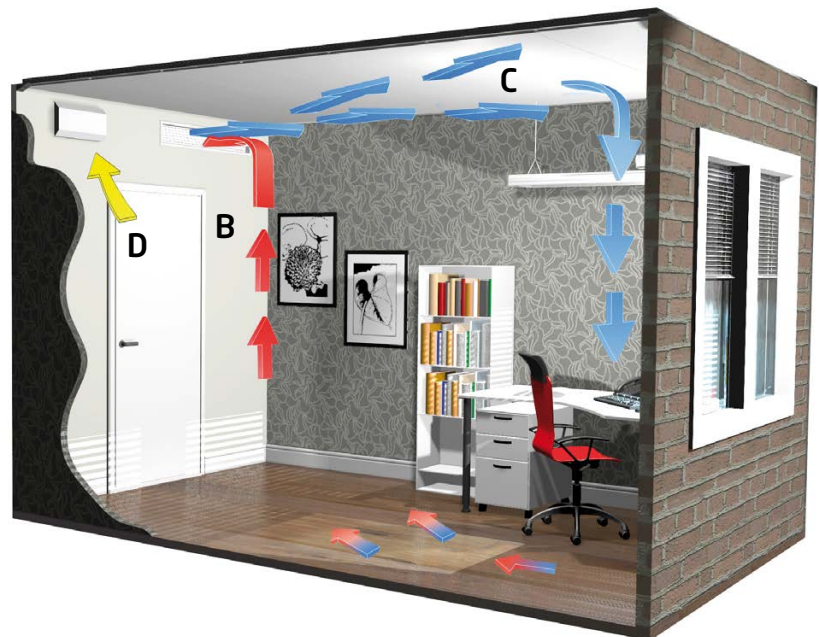
Office

PARAGON, along with the CONDUCTOR room control system, is the perfect solution for offices (separate office rooms).

The airflow and temperature are adjusted automatically to the room's current needs by presence and temperature sensors. The device can be manually controlled by using the room thermostat.

PARAGON can be installed in the room's false ceiling, in the same way as in the hotel and hospital room solutions.

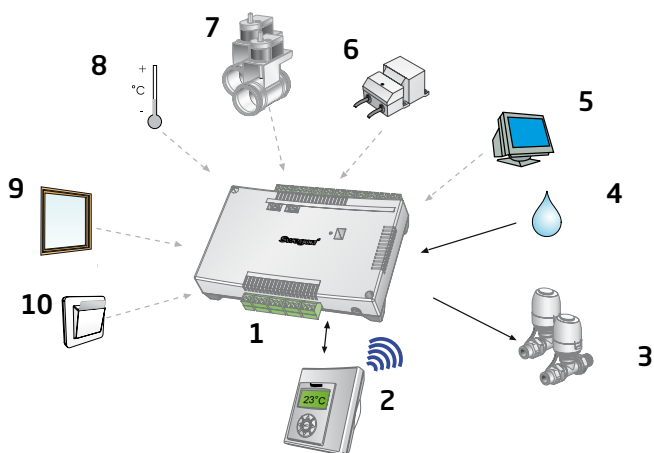
The Comfort Module may as well be installed where there is space in the corridor's false ceiling. In this version, the PARAGON Wall is supplied with a recirculation cover, which directs the recirculated air from the room through the same grille as the supply air.



Control Equipment

CONDUCTOR

The CONDUCTOR control is the optimum system for the individual control of temperature and airflow in each room. The CONDUCTOR also communicates with external monitoring systems via Modbus. The CONDUCTOR can be easily customised for either constant or demand controlled airflow.

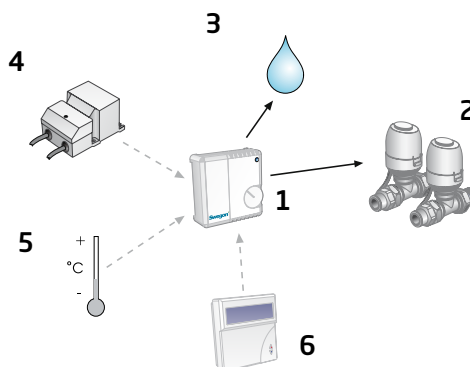


- 1 = Controller
- 2 = Room thermostat
- 3 = Valve actuator for cooling and heating water
- 4 = Condensate sensor
- 5 = Communication via Modbus

- When required:**
- 6 = Transformer
 - 7 = Motorised ventilation damper
 - 8 = External temperature sensor
 - 9 = Window contact
 - 10 = Key card holder or presence sensor

LUNA

LUNA is the perfect alternative control equipment for simpler systems, with constant airflow and without communication. The control equipment runs completely independently and controls the room temperature.



- 1 = Room controller with room thermostat
- 2 = Valve actuator for cooling and heating water
- 3 = Condensate sensor

- When required:**
- 4 = Transformer
 - 5 = External temperature sensor
 - 6 = Hand unit for changing the factory settings

Capacity

Airflow range: 36-260 m³/h (10-72 l/s)
 Pressure range: 50-200 Pa
 Cooling capacity: Up to 2400 W
 Heating capacity: Water up to 3000 W, Electric up to 1000 W

Example:

Primary air		Nozzle pressure Pa	Sound level dB (A)	Cooling capacity W	Heating capacity (water) W
m ³ /h	l/s				
70	19	100	<20	810	1280
110	30	150	32	1145	1440

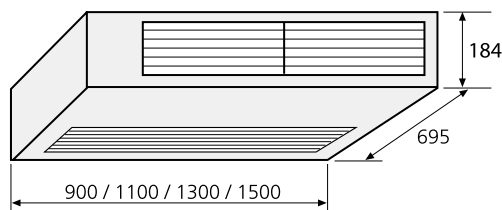
All the sizing data specified are meant as an overview. Exact sizing is carried out in the ProSelect software.



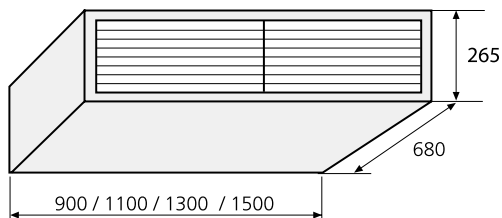
Swegon participates in the ECC Programme for climate beams (chilled beams). Check the validity of the current certificate at www.eurovent-certification.com or www.certiflash.com.

Dimensions

PARAGON



PARAGON Wall



The primary air and water are connected on the rear of the unit.