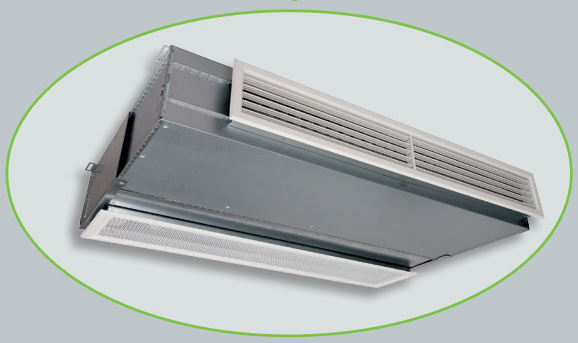
PARAGON™

Comfort module for hotel rooms and hospital wards

Now with improved cooling and heating capacity



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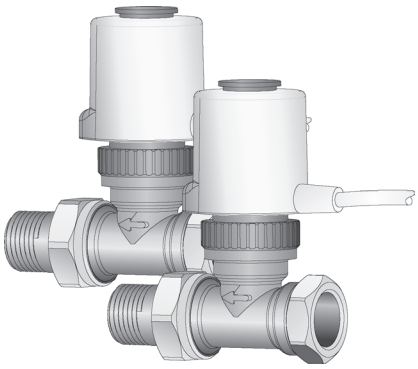
A PARAGON for each requirement

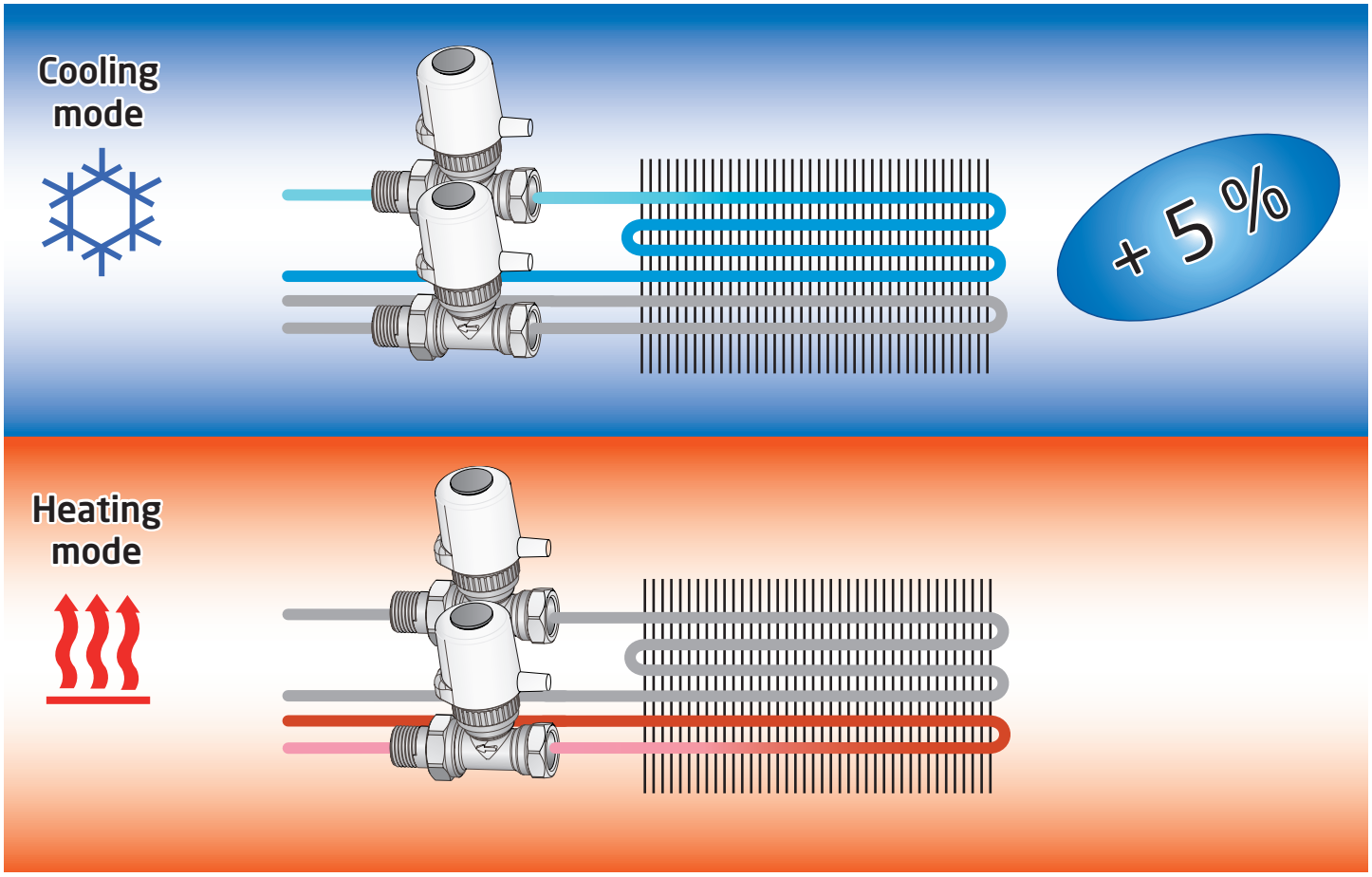
Normal capacity "NC", cooling – heating, Thermal valve actuators

PARAGON NC features separate cooling and heating circuits in the coil and, with design improvements, the previous capacity has been increased.

Advantages:

- Higher cooling capacity compared with previously.
- Traditional solution where the capacity requirement is not the most essential factor.





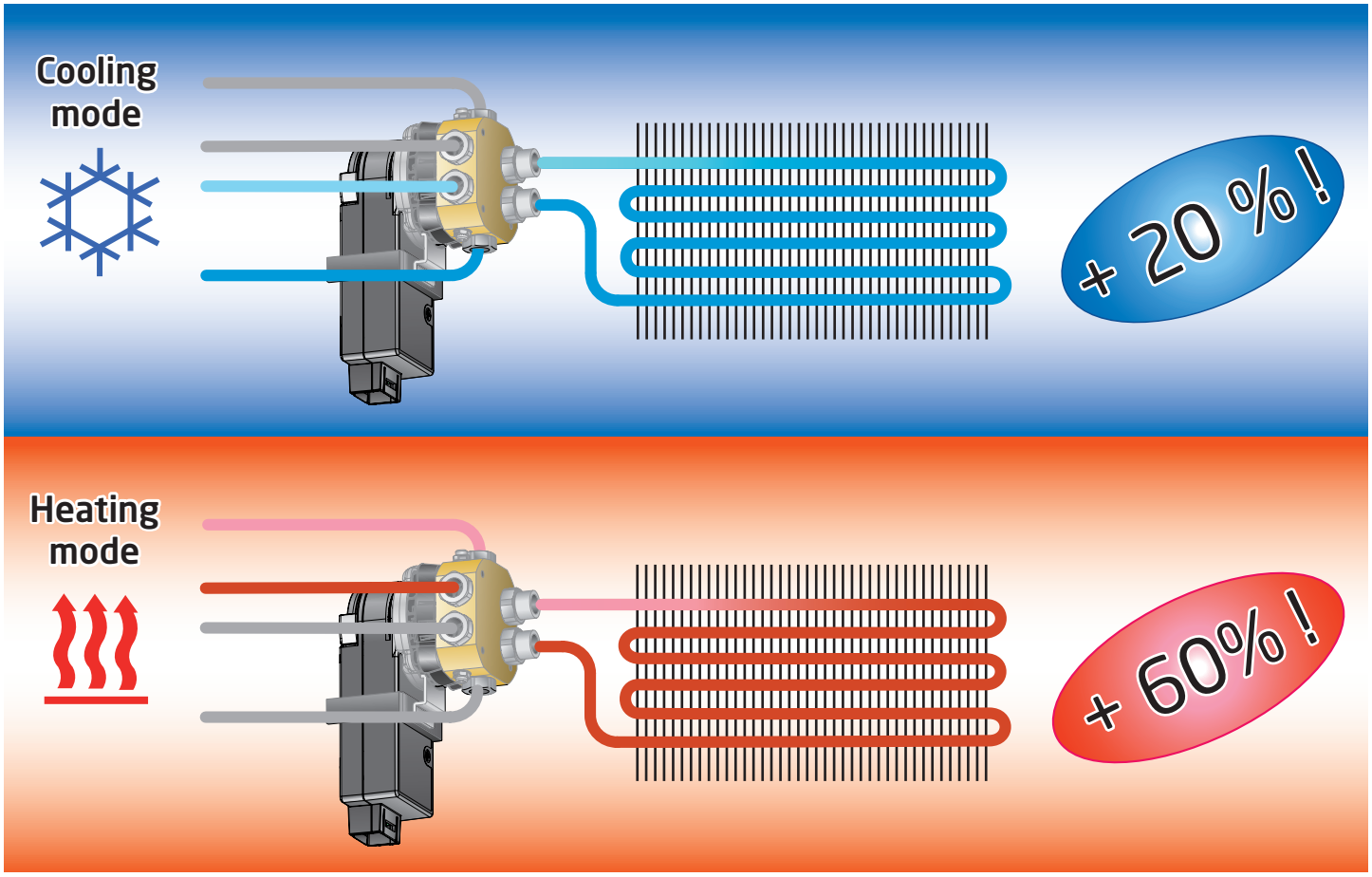
A PARAGON for each requirement

High capacity "HC", cooling – heating, 6-way change over valve

With CCO - Compact Change Over, the same single circuit in the coil is used for both heating and cooling, providing maximum utilisation of the coil and thus a higher cooling and heating capacity.

Advantages:

- A higher cooling water temperature and lower heating water temperature give improved operating economy for the chiller and heat pump. Lower energy consumption gives lower operating cost and less environment impact.
- Smaller PARAGON units can be used. Lower investment cost and less space needed.
- Faster conditioning of a hotel room that has been left unoccupied/empty. High and consistent comfort.
- Compact unit with high output means simpler project planning.



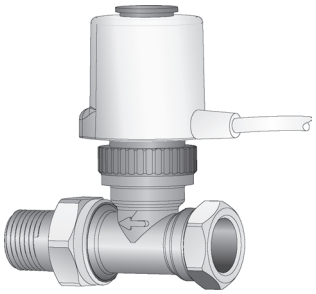
A PARAGON for each requirement

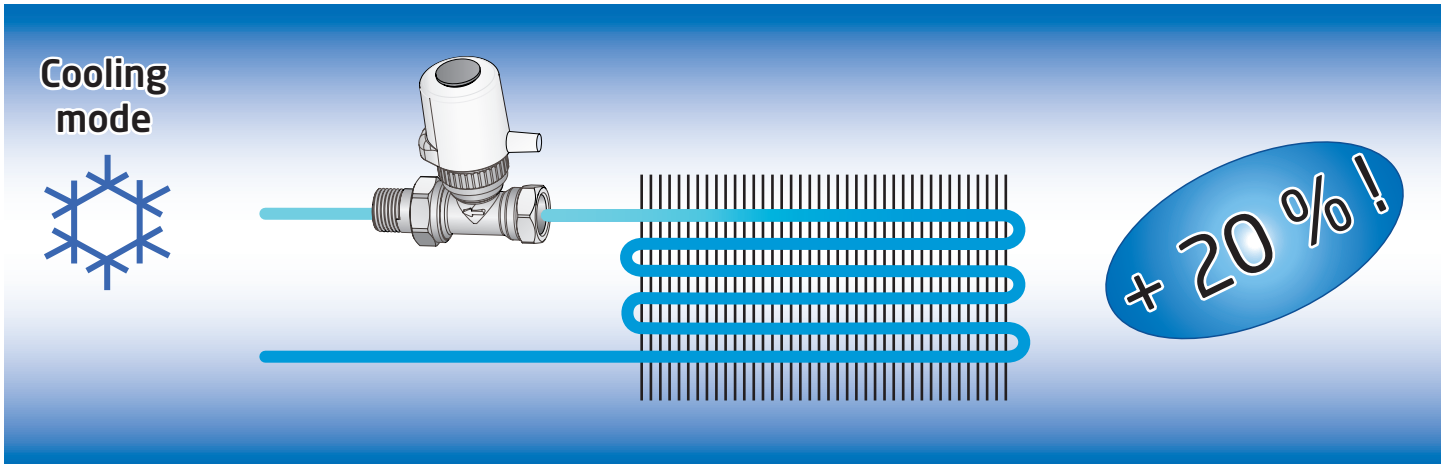
High capacity "HC", cooling, Thermal valve actuator

If Paragon HC is to be used with cooling only, a thermal actuator can be used - the whole circuit is utilised which results in a high capacity.

Advantages:

- A higher cooling water temperature gives improved operating economy for the chiller. Lower energy consumption gives lower operating cost and less environment impact.
- Smaller PARAGON units can be used. Lower investment cost and less space needed.
- Faster cooling of a hotel room that has been left unoccupied/empty. Maximum comfort.



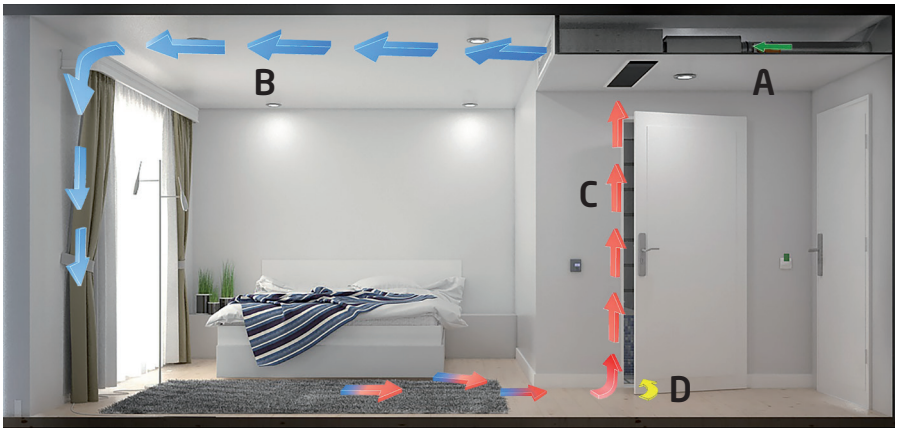


The new PARAGON has an even better cooling and heating capacity

The new PARAGON makes it possible to attain up to 60% better heating capacity and up to 20% better cooling capacity compared to the previous generation - still with the same level of high comfort in the room!

PARAGON is a compact, comfort module for cooling, heating and ventilating e.g. hotel rooms and hospital wards.

- High output with maintained comfort - waterborne cooling/heating and induction principle.
- Low sound level - no integrated fan.
- Very low service requirement - no or few moving parts or filters.
- No drainage system - dry system
- Hygienic - the air is not in contact with the space above the ceiling.

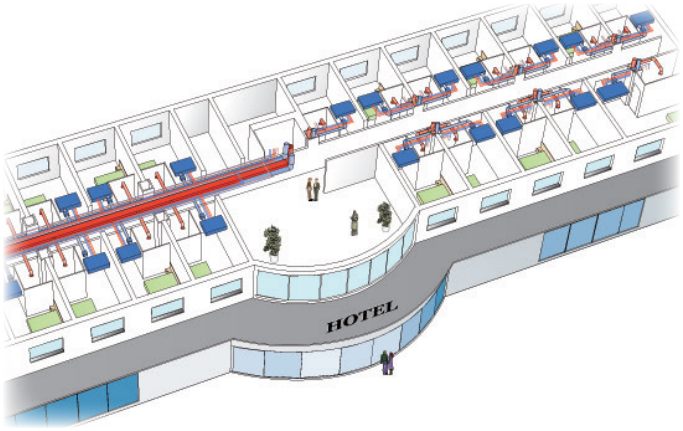


A = Primary air, B = Supply air, C = Circulation air, D = Extract air

The primary air **(A)** is supplied from a central air handling unit and, by means of the induction principle, large amounts of room air **(C)** are drawn "for free" through the water circuit where it is conditioned, mixed with the primary air and sent out to the room. The extract air **(D)** is routed as usual out through the extract air terminal in the toilet.

Hotel Solution

Swegon offers a unique and award-winning total solution for hotels, Swegon Hotel Solution, where both the hardware and software interact for an unbeatable indoor climate, with maximum energy and cost efficiency.



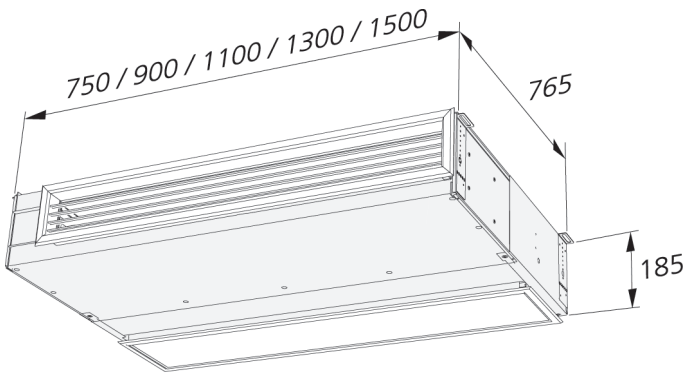
Capacity

Airflow range: 16-56 l/s
Pressure range: 50-200 Pa
Cooling capacity: Up to 2600 W (at ΔT_l and ΔT_{mk} 10 K)
Heating capacity: Up to 3900 W (at ΔT_{mv} 25 K)

Primary air l/s	Nozzle pressure Pa	Sound level dB(A)	Cooling capacity W	Heating capacity W
25	100	<26	1120	1870
30	150	32	1350	2120

Example: Paragon 1100 HC ΔT_{mk} & ΔT_l 10K, ΔT_{mv} 25K

Dimensions



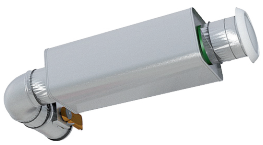
Supply and extract air kit

Supply and extract air kits can be ordered from Swegon for quick and easy installation.

Supply air kit

- Motor-driven damper CRT (or commissioning damper CRP for constant airflow)
- Sound attenuator, CLA

Extract air kit



- Motor-driven damper CRT (or commissioning damper CRP for constant airflow)
- Sound attenuator, CLA
- Extract air diffuser EXC

Control equipment

PARAGON, along with the CONDUCTOR room control system, is the optimum solution for hotel rooms. CONDUCTOR is also used to control the CCO valve.

When the key card reader (or equivalent) is activated in the room, 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 and temperature return to economic low flow.

In addition to the automatic room control, the guest can manually adjust the temperature and airflow.

A more basic room control system LUNA can be used for hospital rooms and the like. The temperature can be regulated individually in each room, but the airflow is constant.

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