



GRAND VARI™ -MINI AIR HANDLING UNITS

A NEW CONCEPT FOR THE AIR-CONDITIONING IN HOTEL ROOMS, OFFICES AS WELL AS DEMANDING HOUSES

Grand Vari™ Mini AHU can be integrated as part of the room without any visible technology. It provides comfort and ease of use, heat, cool, or both. The new EC-motor and technical solutions provide a unique combination in market. The Grand Vari™ is an integral part of the room without any visible technology. The grille of the device consists of two sections, which enable an unprecedented logarithmic temperature difference for a heat exchanger coil.



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A NEW CONCEPT FOR THE AIR-CONDITIONING IN HOTEL ROOMS, OFFICES AS WELL AS DEMANDING HOUSES

Grand Vari™ Mini AHU can be integrated as a part of the room without any visible technology. It provides comfort and it is easy to use. The new EC-motor and technical solutions provide a unique combination in market.

When you switch on the Grand Vari™ fan coil or an LED lamp, you will not detect any difference in energy consumption. It gives 30% energy savings in hotel rooms.

EXCELLENT ENERGY EFFICIENCY

In a normal hotel room, the GRAND Vari™ consumes as much energy as one LED lamp. The EC-motor allows a stepless adjustment of the fan from 0 to 100%. The annual energy consumption is only a fraction of any previous solution.

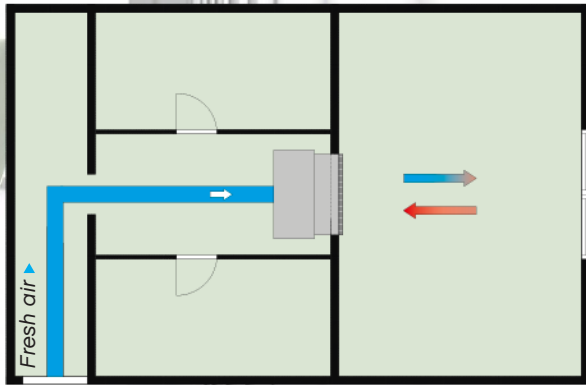
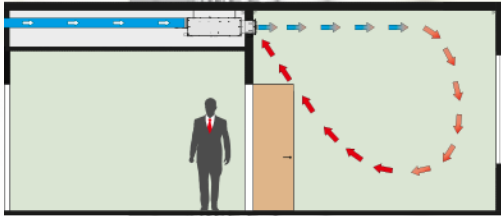
The EC-grille has two parts for intake and blowing. In addition, fresh air is blown through the grill into the

room. The non-mixed airflows from the room allow a bigger logarithmic temperature difference between air and water compared to a conventional solution.

Use Mini AHU instead of ducted fancoils. High efficiency and low sound level allows to use setpoint changes effectively in water chiller.

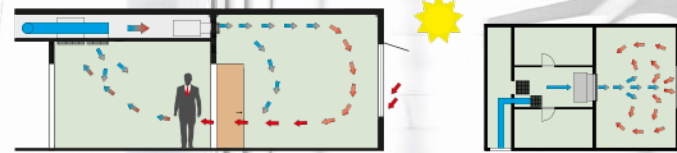


Fresh air ▶



▲ CHILLER SOLUTION

▼ TRADITIONAL SOLUTION



GRAND VARI™ PROPERTIES

EC-grille

- ▶ Adjustment of fan and valve 0–100%.
- ▶ Non-draught blowing, heating and cooling.
- ▶ Excellent logarithmic temperature difference between air and water.
- ▶ Fresh air is conveyed through the same blowing grille into the room.

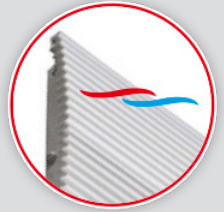
EC-fan

- ▶ Adjustment of fan and valve 0–100%.
- ▶ Ball bearing blower construction.

Service and use

- ▶ The filter is cleaned by vacuuming or washing through the pivoted grille.
- ▶ Removal of condensation water either with a pump or free drainage solution.
- ▶ Factory-tested for commissioning.

▶ Read more:
www.chiller.fi/en/air-conditioning



INSTALL · USE · SERVICE

A revolutionary concept offers ease of installation, use and maintenance.

GRAND Vari™ is mounted from brackets in the base plate onto a fixed ceiling surface. A pass-through piece attached to the unit is pushed through the wall surface, and the grille with a filter section and a collar are mounted in the pass-through piece. All the technical connections of the unit are located in the back plate, so connections can be made quickly and easily.

COMFORTABLE AND NON-DRAUGHT BLOWING

The new EC-grille allow non-draught blowing because air is forced along the ceiling.

HIGH-QUALITY MINI AHU

GRAND Vari™ Mini Air Handling Units are produced from high-quality materials. Because of continuous development and careful testing, the units are very energy efficient and produce a low sound level. Carbon emissions and life cycle costs are only

a fraction compared to any other product on the market. The units require only a little of service. They can be delivered with valves from the factory.

EASY TO INSTALL

GRAND Vari™ is mounted on a solid roof surface. The collar and grille are installed against a wall surface. All technical connections are located at the rear side of the unit.



OUR SALES AND MAINTENANCE NETWORK AT YOUR SERVICE

Chiller Oy is one of Europe's leading manufacturers of energy-efficient and optimized air-conditioning solutions. Design and service are always based on the customers' specific requirements. For more information, please contact our head office or foreign business partners.

► Read more: www.chiller.fi/en

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ServiceNext™
Overall Concept