



NEW

ACCUFLOW

THE SQUARING OF THE ROTARY WHEEL

LOT6

2018

CONSTANT

air volume

ec

technology

THE NEW ACCUFLOW K SERIES

THE ACCUFLOW K SERIES

ACCUFLOW convinces with the storage mass heat exchangers with a heat recovery rate of up to 93%.

The storage mass heat exchangers do not tend to freeze even at lower negative degrees, so that they also have full heat recovery even at temperatures of $-15\text{ }^{\circ}\text{C}$ and lower and thus in cold regions they prove a better annual efficiency than e.g. counter flow heat exchanger.

- Storage mass heat exchanger with up to 93% efficiency
- Moisture recovery up to 70%
- No risk of icing and thus higher annual utilization
- Constant volume flow controlled EC fans
- Maximum utilization of the device cross-section

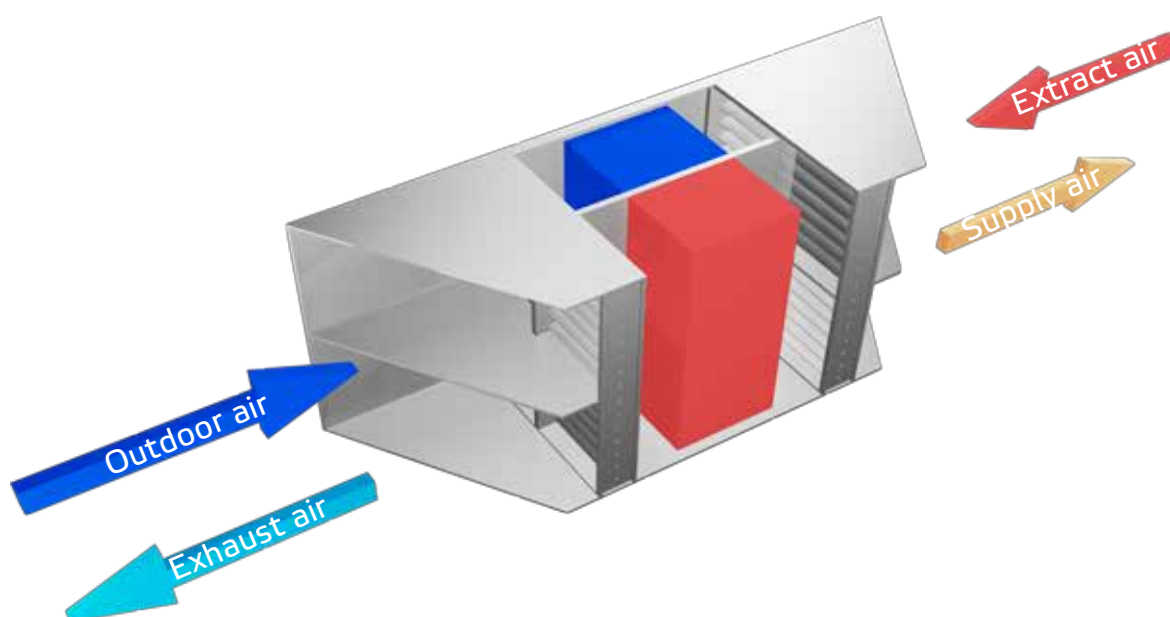
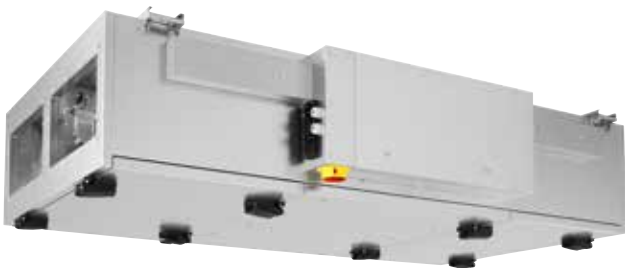


Image 1: Heat transfer storage mass heat exchanger

THE TYPES

ACCUFLOW KOMPAKT F



ACCUFLOW K...F is the optimal flat ceiling mounting device with high performance at extremely compact dimensions. Even in case of rebuilding, the ventilation system can be easily and elegantly integrated due to its flat design.

ACCUFLOW KOMPAKT H



ACCUFLOW K...H with horizontal connections is usually installed in a technical room. The large inspection openings provide unrestricted access to each built-in component for maintenance and cleaning.

NEU

FIELD OF APPLICATION:

For the supply and extract ventilation of rooms where the emission sources are human metabolism or building materials, e.g. offices, public areas, meeting rooms.

THE RIGHT CONCEPT

HEAT RECOVERY:

The high-performance heat recovery consists of two static storage masses, which are alternately flowed by fresh air and extract air, through a flap system. In addition, the changing of the flow through the storage masses leads to a self-cleaning effect. The flap system is tight and adapted for a long service life.

The switching times are variable and thus an optimal recovery performance is guaranteed at all times. Turning off the switching enables the use of free night cooling in summer.



MOISTURE RECOVERY:

The regenerative heat exchanger recovers much of the room humidity. A too dry indoor air is counteracted and an improved comfort in the building is achieved.

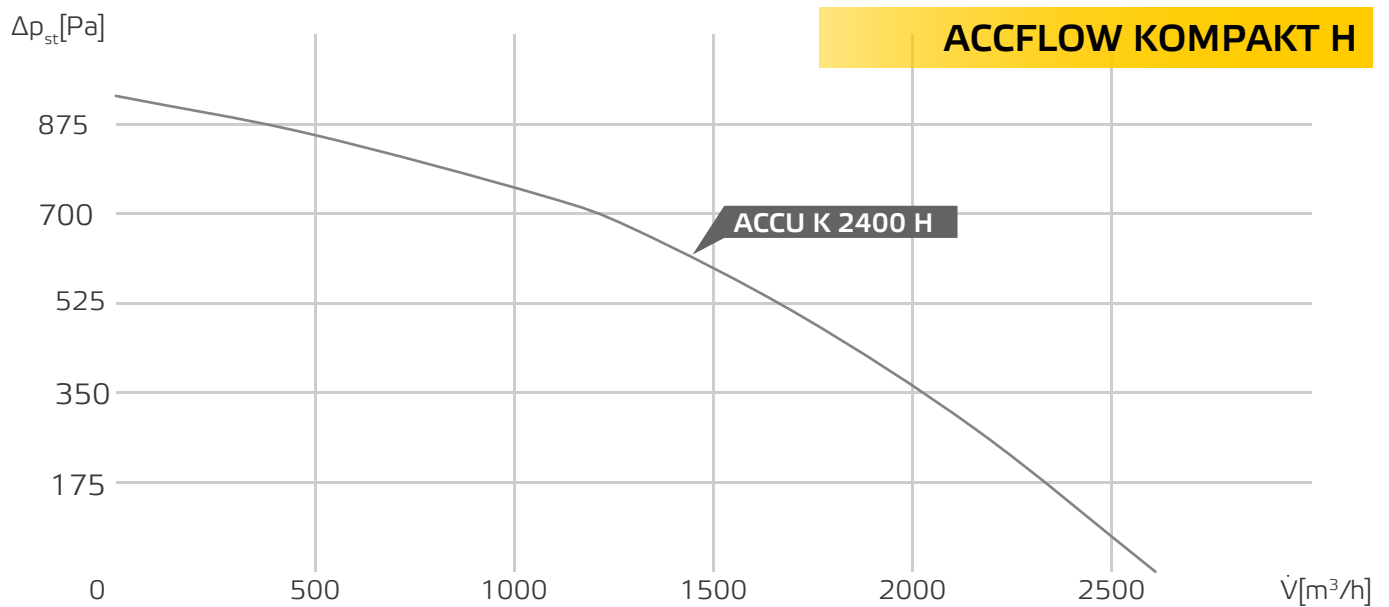
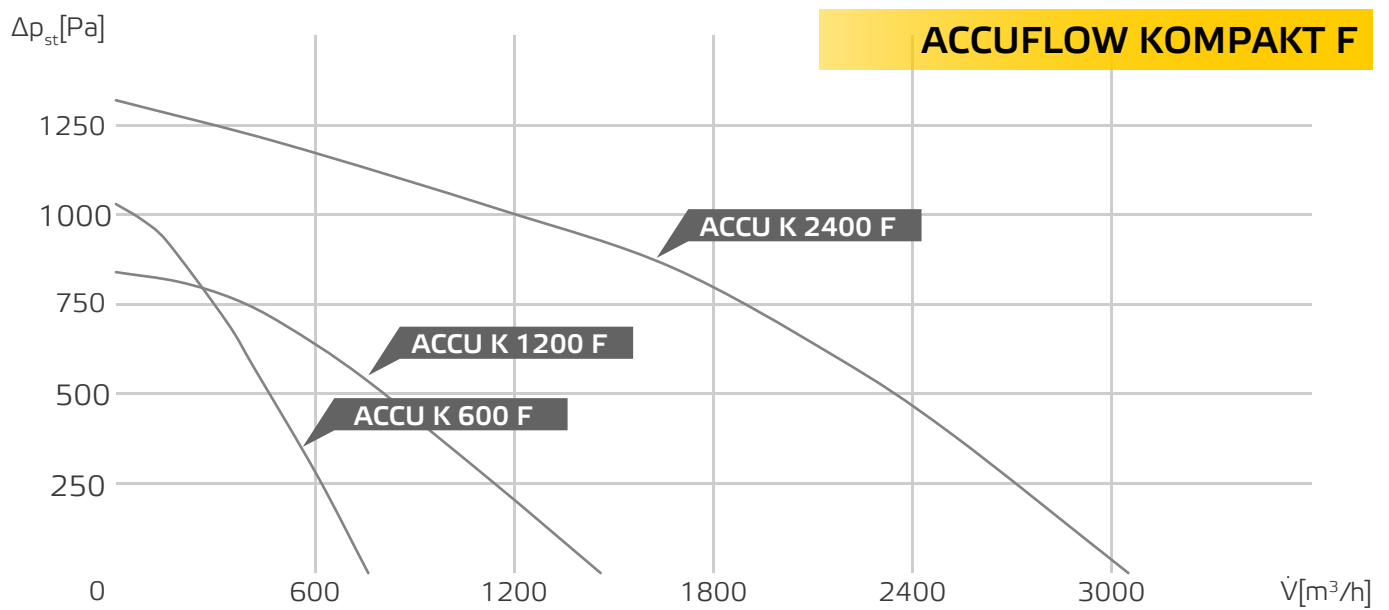
The positive effect is that normally no additional humidification is required.

CONTROLS:

The ACCUFLOW device series has a constant volume fan operation. The desired air volumes can be easily entered on the control unit. Furthermore, an automatic mass flow correction is integrated in the controls. As a result even in winter only the desired air flow rates are transported into the building. The additional energy savings of the fans are up to 15%.

Further control options such as CO₂, humidity or external volume flow control as well as an integrated Modbus interface ensure flexible application possibilities.

AIR PERFORMANCE CURVES



OUR PRODUCT PORTFOLIO

IN LINE TUBE FANS

ETALINE and ETAMASTER, the No. 1 in saving energy.



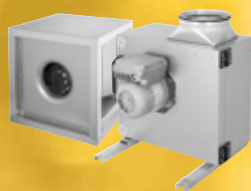
DUCT FANS

Backward curved centrifugal fans, sound insulated, compact diagonal fans.



EXHAUST FANS

Exhaust fans for industry and kitchen exhaust, up to 200 °C continuous operation, 400 °C / 2 h.



ROOF FANS

Roof fans with horizontal and vertical discharge, up to 200 °C continuous operation, 400 °C / 2 h.



COMPACT AHU

With counter flow heat exchanger with more than 90% heat recovery efficiency and EC fans. Available with horizontal or vertical air guidance respectively flat units for suspended ceiling mounting.



COMPACT AHU

With rotary heat exchanger with up to 80% heat recovery efficiency and EC fans. Available with horizontal or vertical air guidance.



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