



Hoval Enventus Emån

Enthalpy rotary heat exchanger

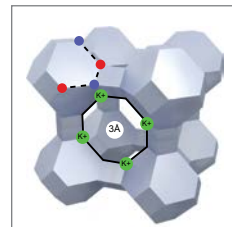


Responsibility for energy and environment

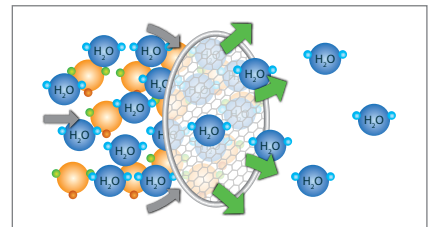
Emån is the name of the new enthalpy rotary heat exchanger from Hoval Enventus. In contrast to the previous model, Emån provides a significantly higher humidity transfer capacity.

The trick behind this is a partial coating with a special hygroscopic surface. This enables a high level of humidity efficiency which offers crucial advantages:

Healthy and dust-free air. The molecular sieve 3Å in the new Hoval Emån ensures that organic compounds (VOC) are not transferred to the room air and unpleasant odours are left outside. This has been proved by independent, international studies.



Molecular sieve 3Å



Selective adsorption capability

The higher air humidity also has a positive effect on the room air:

- **Dust-free air**, as the dust particles are bound and sink to the ground.
- **Fewer pathogens** in the room air
- **Decreased electrostatic charge**

Anti-ice protection for a consistently high performance.

Humidity is constantly transferred to the supply air and blown back into the room. It therefore cannot freeze in the rotor and restrict the air flow. This ensures a consistently high performance level.

Lower investment costs for air humidification. The new Emån transfers a large amount of humidity from the extract air to the supply air, especially in winter. The room air is therefore not as dry and additional air humidification systems can be designed with smaller dimensions.



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Temperature efficiency (dry)	73–85 %
Humidity efficiency	max. 65 %
Rotor diameter	up to 5000 mm
One-piece / sectorised pressure drop	max. 300/400 Pa
Pressure difference (supply air/extract air)	max. 1000 Pa

Ask for advice today!

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