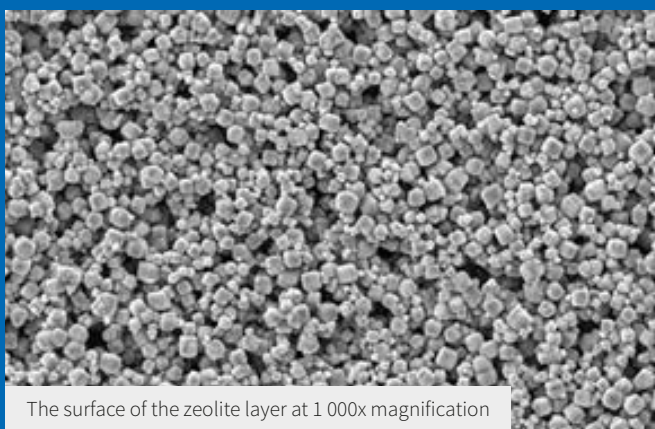


Zeolite - a natural substance

In past the most frequently used material for rotational heat exchangers with transfer of moisture was silica gel.

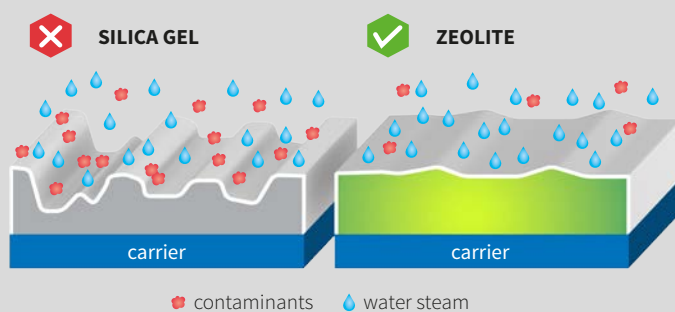
With its unique structure, 4Å – ZEOLITE molecular sieve now replaces silica gel completely.



The surface of the zeolite layer at 1 000x magnification

In natural environment Zeolites are present in the form of microporous aluminosilicate minerals with a characteristic 3D porous structure - channels and cavities of constant dimensions. The technology by KASTT makes use of the molecular sieve with an efficient diameter of 4 Å (Ångström = 10^{-10} m).

Zeolites of such a diameter absorb the water steam molecules with a critical diameter of 3,2 Å. The size of commonly occurring odors and VOC is 7 Å or more. Therefore the sorption of these unwanted substances is completely excluded with this technology.



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