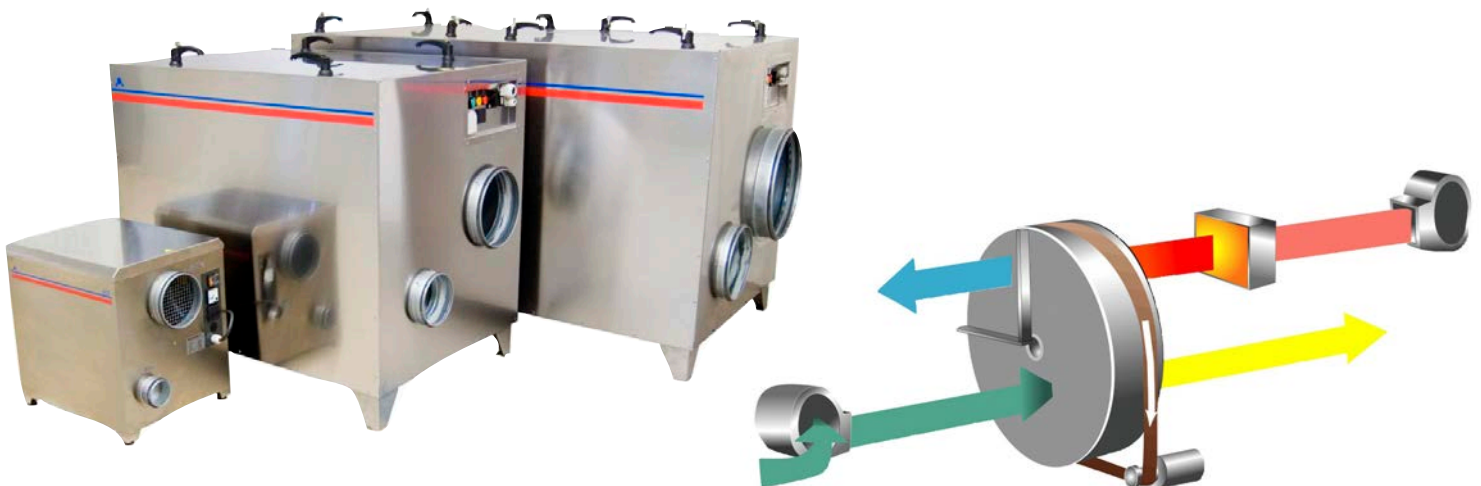




# Sorption Air Dehumidifiers



## Brief Overview



# Dehumidification principles

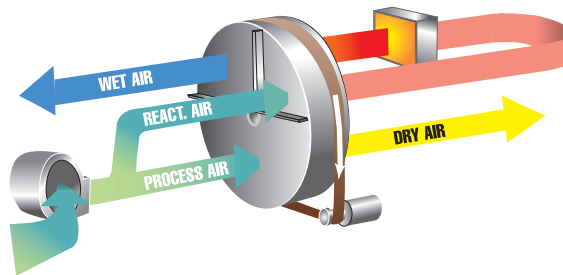


The basic principle of adsorption dehumidification is honeycomb sorption rotor during its rotation from process air flow constantly absorbs moisture.

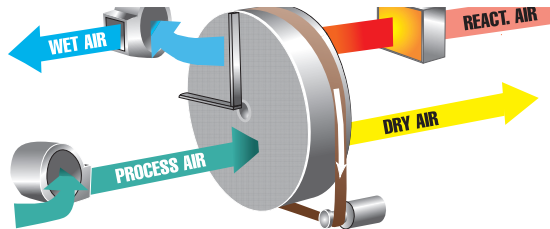
Sorbent silica gel can be prepared in various ways, or molecular sieve.

Captured water vapor inside the rotor is during regeneration vaporized and released into a separate exhaust. Necessary heat for the heating of air can be done (according to type) is possible to obtain by electric heater, the saturated steam, by direct combustion of natural gas or by hot water.

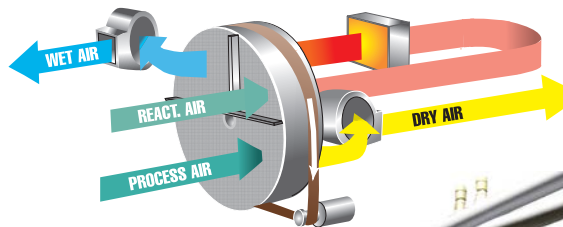
Rotor reactivation with heat recovery, single fan for both Process and Reactivation air.



Two separate fans for both Process and Reactivation air.



Rotor reactivation with heat recovery and partial by-pass of the rotor. Two separate fans for Process and Reactivation air.



Adsorption air dehumidifier with gas reactivation.



Adsorption air dehumidifier with hot-water reactivation.

Dehumidifiers

DT-160

DT-210

DT-250

DT-440

DT-400



Dry Airflow (m³/h)

160 210 250 440 400

Capacity: (a20°C & 60%RH)  
kg/h



DT-450

DT-800 DT-1100

DT-1300 DT-2300 DT-3300 DT-3500



450 800 1100 1300 2300 3300 3500

2,2 4,4 6,0 9,5 13,8 14,7 19,2

DT-4500 DT-5800 DT-7000 DT-9000

DT-6000 DT-8000

DT-13000



4500 5800 7000 9000 6000 8000 13000

24,6 29,3 43 50 39 53 86

DT-19000

DT-27000

DT-35000 - DT-55000

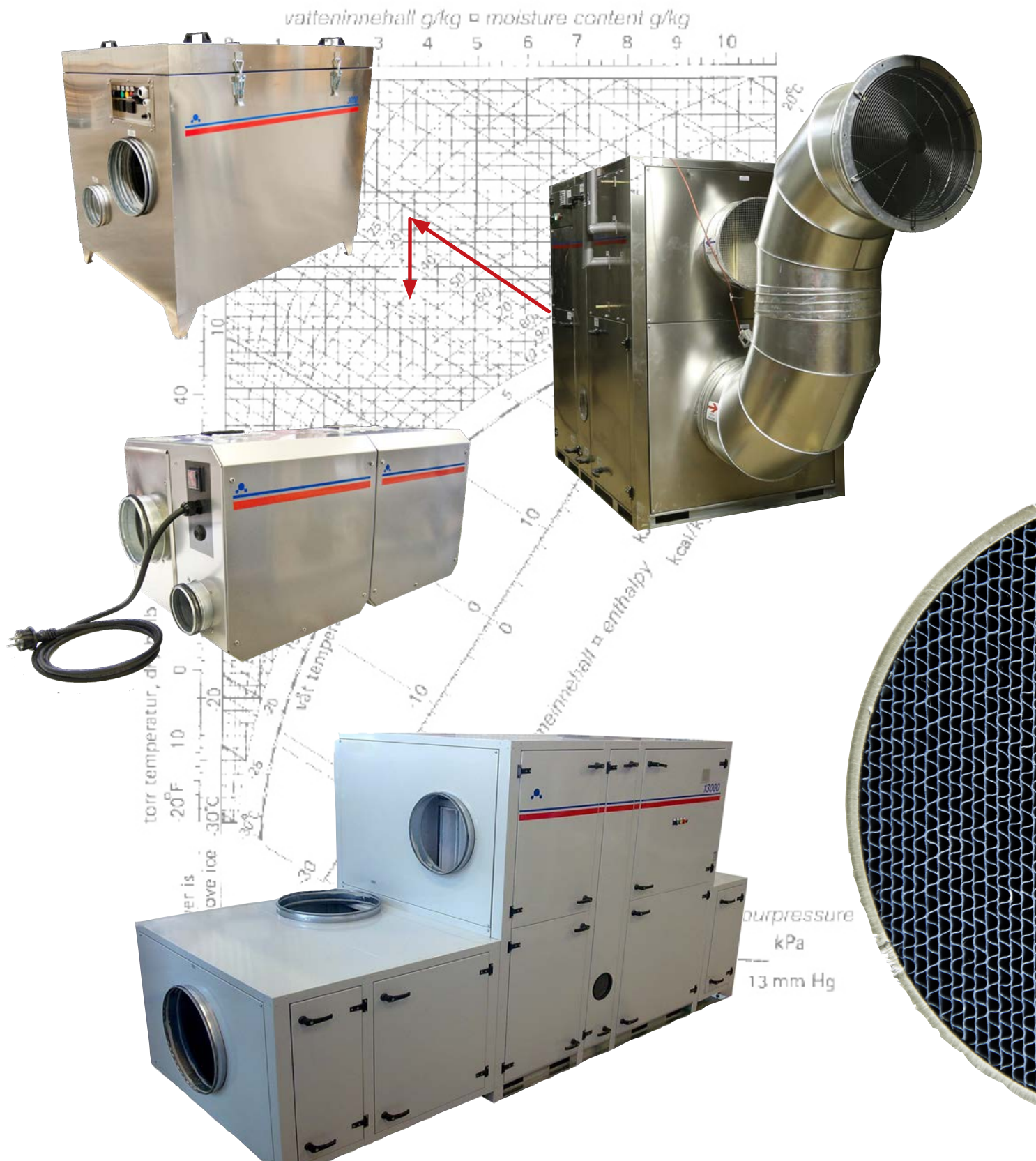


19000 27900

126 182



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