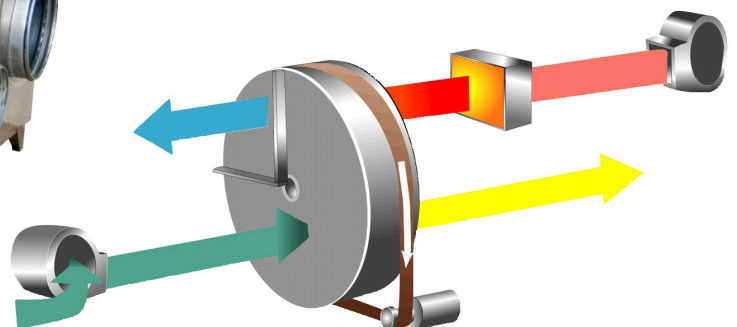




Sorption Air Dehumidifiers



Brief Overview



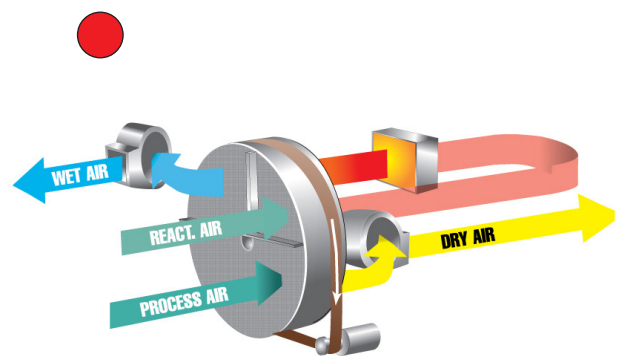
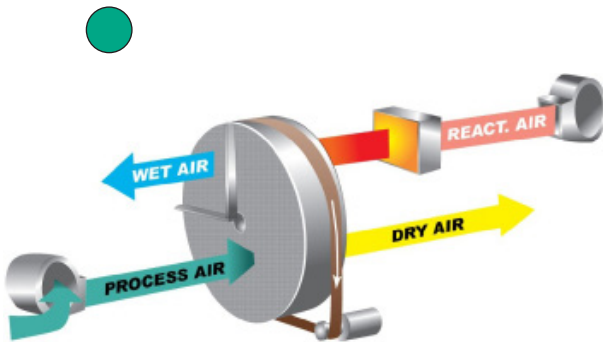
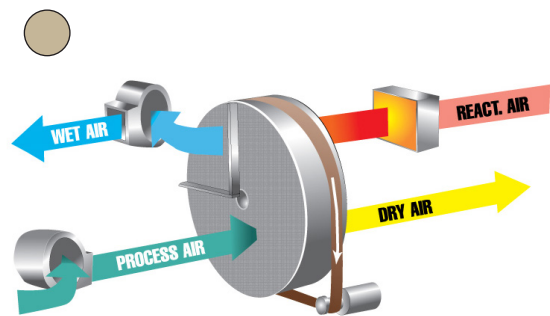
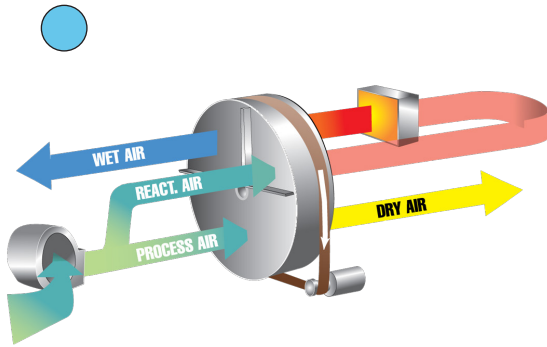
Dehumidification principles



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.

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.



Adsorption
air dehumidifier
with gas reactivation.



Adsorption
air dehumidifier
with hot-water reactivation.

Dehumidifier

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

0,6

1,1

1,4

1,5

DT-500

DT-800 DT-1100

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



500

800

1100

1300

2300

3300

3500

2,6

4,4

6,0

9,5

13,8

14,7

19,2

DT-6000 DT-8000

DT-13000

DT-4500 DT-5800 DT-7000
DT-9000 DT-12000



4500

5800

7000

9000

12000

6000

8000

13000

24,6

29,3

43

50

63

39

53

86

DT-19000

DT-27000

DT-35000 - DT-55000



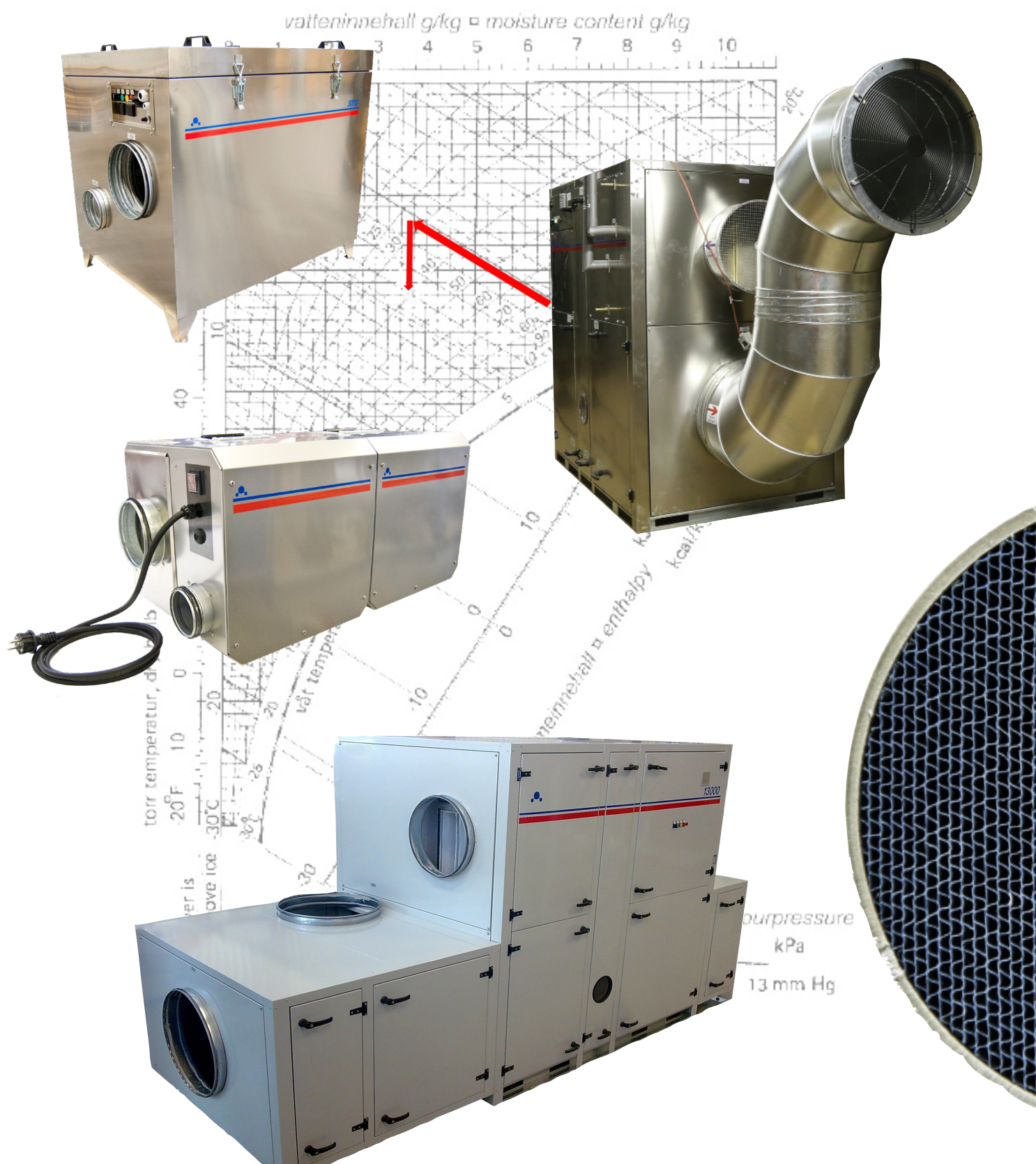
19000

27900

126

182

Advanced technology tailor-made ...



FILCO®, spol. s r.o.
 Dvorská 464/103
 CZ-503 11 Hradec Králové
 Tel: +420 495 436 233
 info@filco.cz
 www.filco.cz | www.dehutech.cz

