



# Adsorption dehumidifier DehuTech DT-5800

Dehumidifying Capacity  
at 20°C / 60%RH

**29,3 kg/h**

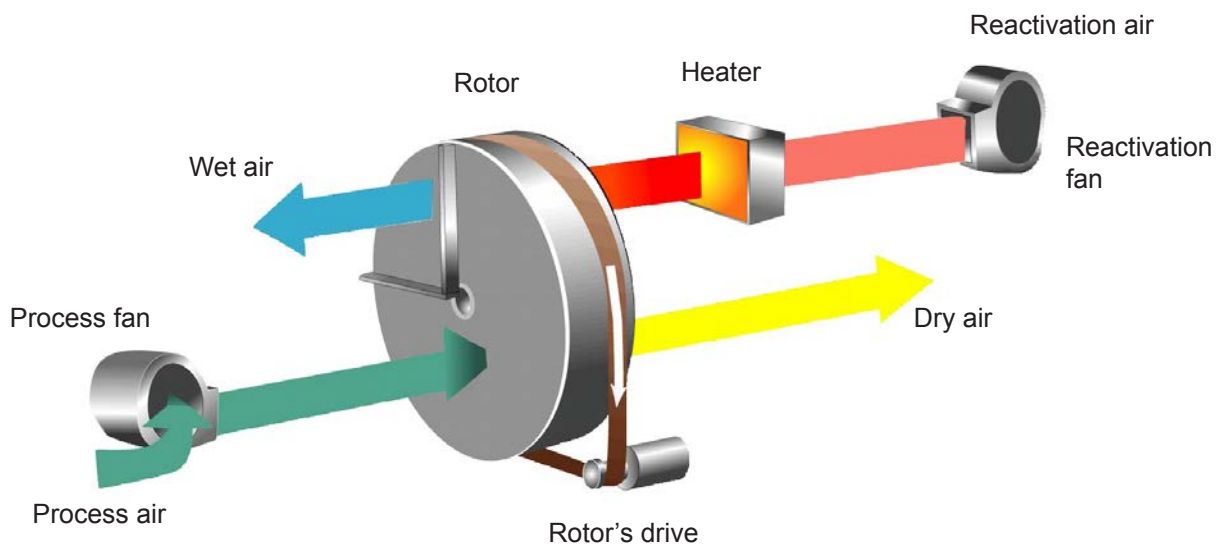
Dry Air Flow

**5800 m<sup>3</sup>/h**

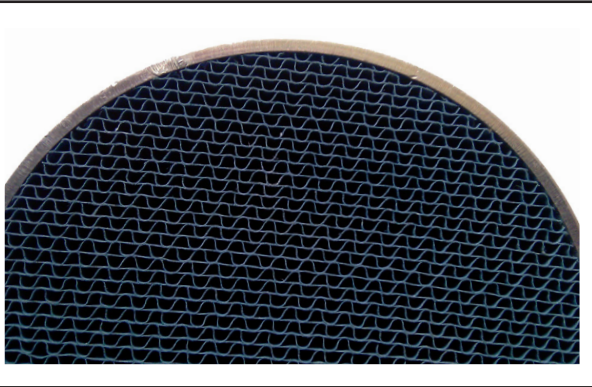


**NEW**

- Washable rotor
- No desiccant carry over
- Stainless steel casing
- Direct driven fans
- PTC air heater with 2-step control  
or with continual by external signal 0-10V
- New PLC with touch screen, incl. humidistat
- Service alarms and guards on PLC
- Easy installation and maintenance
- Optional communication via ModBus, Bacnet, Web Server
- Panel filters



## TECHNICAL DATA



| Dehumidifier, type          | DT-5800                |
|-----------------------------|------------------------|
| Nominal capacity *          | 29,3 kg/h              |
| Dry air flow**              | 5800 m <sup>3</sup> /h |
| Static pressure at outlet   | 420 Pa                 |
| Wet air flow**              | 1400 m <sup>3</sup> /h |
| Static pressure at outlet   | 240 Pa                 |
| Heater's power              | 40 kW                  |
| Total power                 | 44,8 kW                |
| Filter class                | 4                      |
| Rotor's reactivation by *** | E/G/S                  |
| Weight                      | 520 kg                 |
| Noise level                 | 72 d(BA)               |

\* Valid for 20°C and 60%RH. For other condition the capacity must be recalculated according to diagram - see below.

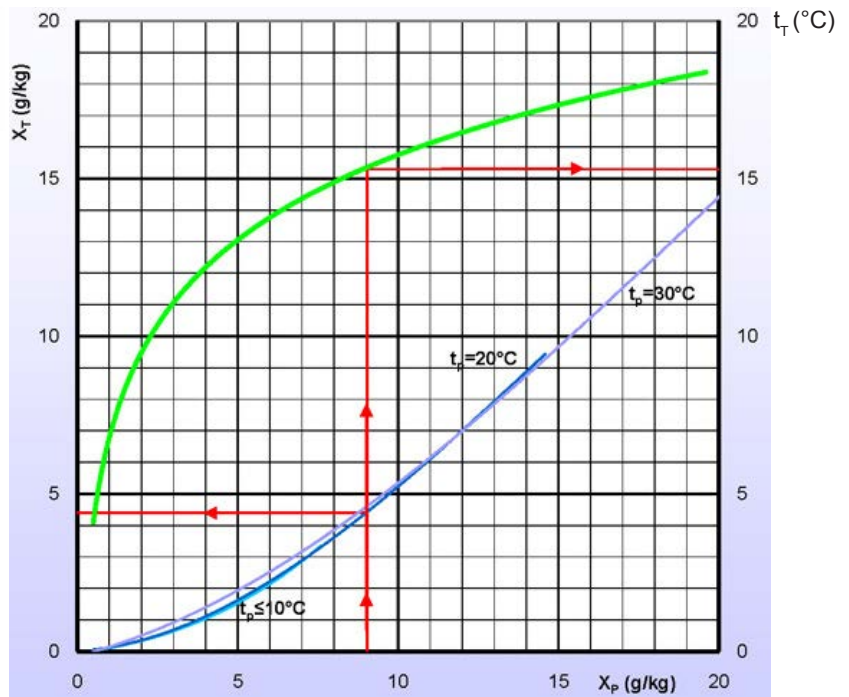
\*\* Flow related to air density 1.20 kg/m<sup>3</sup>.

\*\*\* E: electric, G: NG, S: steam, W: hot water

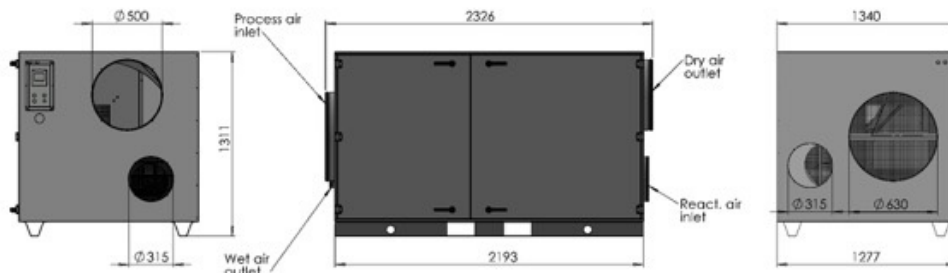
## CAPACITY DIAGRAM

**at Inlet:**  
 $x_p = 9,0 \text{ g/kg}$   
 $t_p = +20^\circ\text{C}$

**at Outlet:**  
 $x_T = 4,4 \text{ g/kg}$   
 $t_T = 20 + 15,4^\circ\text{C} = +35,4^\circ\text{C}$



## DIMENSIONS



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



DehuTech AB  
 Enhags slingan 23,  
 S-187 40 Täby, Sweden  
 Tel.: +46 8792 04 08  
 Fax: +46 8792 55 59  
 info@dehutech.com  
 www.dehutech.com