

# Dehumidifier Recusorb **DR-010B MH-1**



*Dehumidifying capacity at 20°C / 60%RH*

**0.5 kg/h**

*Dry air flow*

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

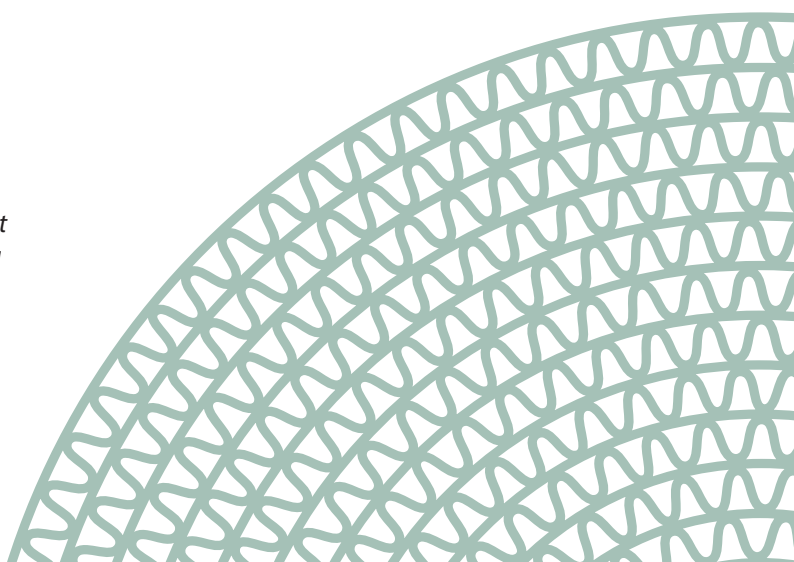
- Built in humidistat
- Washable rotor
- No desiccant carry-over
- Self-regulating heater
- Easy to maintain
- Long lifetime

With humidistat; only for installations where the unit is installed in the dehumidified room.



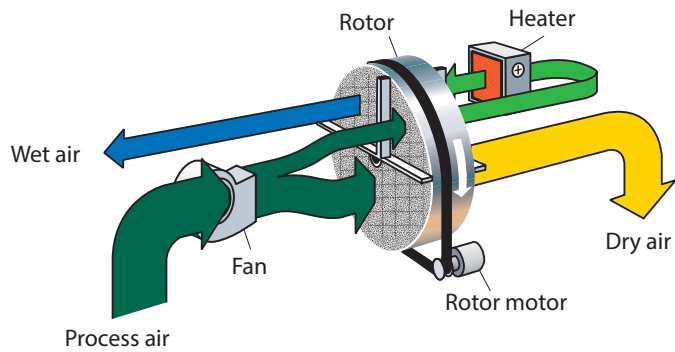
*Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency.*

*World leaders in dehumidification.*



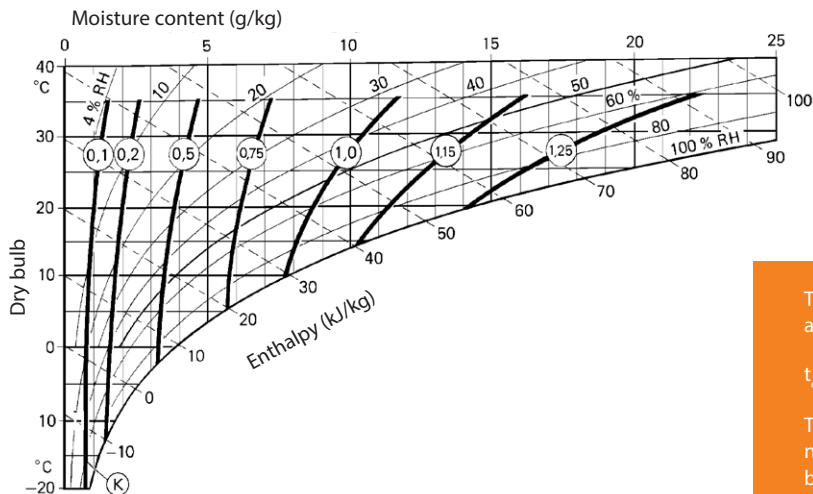
# TECHNICAL DATA

Dehumidifier model	DR-010B MH1
Nominal capacity <sup>1</sup> (kg/h)	0,5
Dry airflow <sup>2</sup> (m <sup>3</sup> /h)	190
Wet air flow <sup>2</sup> (m <sup>3</sup> /h)	40
Heater current <sup>3</sup> (A/W)	3 / 690
Maximum electric consumption (kW)	0,8
Supply fuse 230V / 50Hz (A)	10
Weight (kg)	12



1. Valid for inlet conditions 20°C/60%RH. For other inlet conditions the capacity can be calculated by using the correction factor from the diagram shown below.
2. Volume flow for density 1.20 kg/m<sup>3</sup>. Free blowing.
3. The design of the PTC heater enables the power to be regulated by controlling the wet air flow.

# CORRECTION DIAGRAM



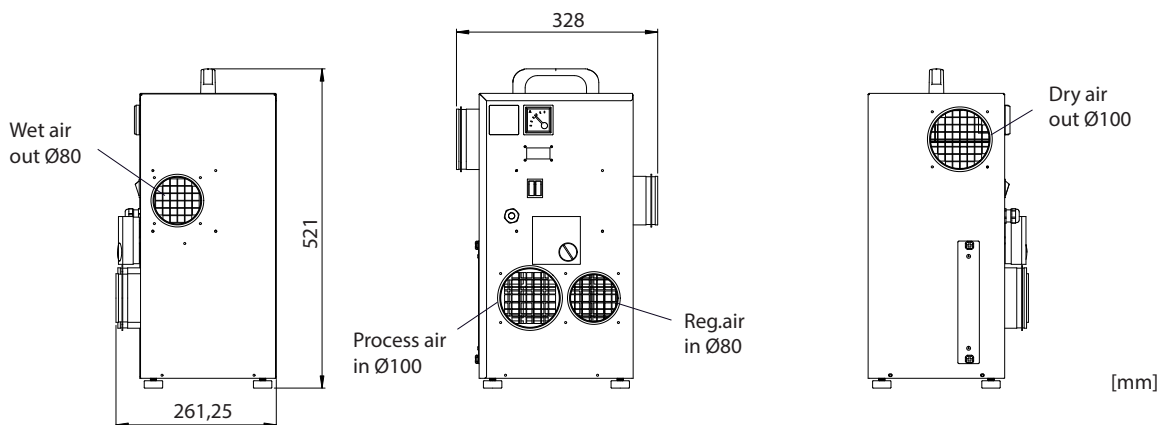
The temperature of the dry air at nominal air flows is calculated by:

$$t_{out} = t_{in} + (K \times 4) + 3$$

The dehumidifying capacity is estimated as the nominal capacity from above, multiplied by factor (K) from the correction diagram.

# DIMENSIONS

Subject to change without notice. Download installation drawing at [www.dst-sg.com](http://www.dst-sg.com)



Updated 18.12