

The mould dehumidifiers DSH represent the most innovative solution for removing the condensate on moulds during injection and blowing moulding processes.

The air is dehumidified by means of a rotor that ensures a dew point of the air of up to -10°C and airflow rates from 800 to 3000 m^3/h . These machines can be applied to one or more processing machines.



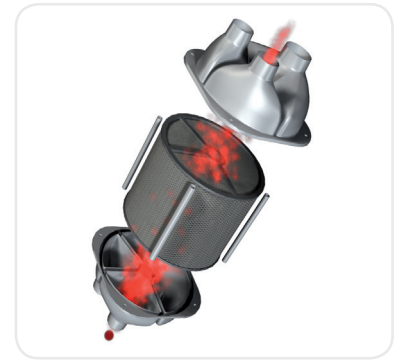
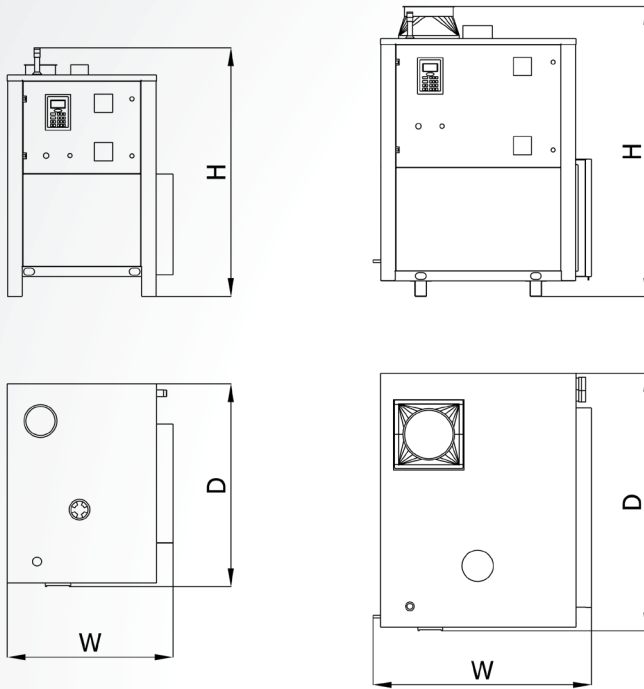
TECHNICAL SPECIFICATIONS:

- A microprocessor control unit allows managing the operation of the machine, maintaining a constant dew point and adjusting PID terms of regeneration.
- A panel filter, that can be easily removed and cleaned, ensures air filtration.
- The air precooling with heat exchanger uses low-temperature water: $7-10^{\circ}\text{C}$. The condensed water is discharged from a pump with a built-in float.
- A high-efficiency fan sends air to a high-efficiency absorbent rotor which ensures a stable process even in tropical climatic conditions with temperatures of up to 45°C and humidity of up to 90%.
- To reduce the temperature of the air flowing out of the circuit, it is possible to install an aftercooler.
- RS 485 Modbus interface.

ADDED VALUE:

- It increases productivity by reducing cycle time.
- Constant process in any climatic condition.
- Absence of production rejects caused by moisture in the mould.
- It eliminates the risks of mould corrosion and subsequent maintenance.

Mould dehumidifier



Rotor

TECHNICAL DATA		DSH800.1C	DSH800.1T	DSH1000.1C	DSH1000.1T	DSH1200.1C	DSH1200.1T	DSH1800.1C	DSH1800.1T	DSH2400.1C	DSH2400.1T	DSH3000.1C	DSH3000.1T				
Max process airflow	m ³ /h	800	800	1000	1000	1200	1200	1800	1800	2400	2400	3000	3000				
Process temperature	°C	25															
Dew point	°C	-10															
Static pressure	Pa	2000															
Noise level	dB(A)	<80															
Process-fan power	kW	2.2						3									
Regeneration-fan power	kW	/						1.1									
Regeneration-heating power	kW	15						22.5									
Total power	kW	17.9				19				26.5				27.2			
Cooling water	l/min.	41.6	57	53	77	70	126	105	175	114	208	132	244				
Water connection	mm	1" F (BSP)						2" F (BSP)									
Air-pipe diameter	mm	150						250				250					
Regeneration-outlet diameter	mm	101.6						150				150					
Cooling power	kW	11.6	15.8	15.2	20.5	20	35.6	29.6	49.5	32	59	37	68				
Cooling-water temperature	°C	7-11															
Voltage/Frequency	V/Hz	400/50-60															
Dimensions WxDxH	mm	984x1189x1646						1129x1349x1433									
Weight	kg	450						500				550					

Continental T=33 °C Dp=18 °C Wb=22 °C.
Tropical T=40 °C Dp=25 °C Wb=29 °C.