



humiDisk

Spinning disk humidifier for industrial and commercial applications



humiDisk

humiDisk: the compact and efficient spinning disk humidifier

Practical and flexible solution, ideal for cold rooms and commercial and industrial environments.

A spinning disk atomises the water into very fine droplets that are easily absorbed by the surrounding air, humidifying and cooling it.

- Simple
- Robust
- Compatible with all types of water
- Plug&play solution

Technology

A spinning disk atomises the water into very fine droplets that are easily absorbed by the surrounding air, humidifying and cooling it.

Flexibility

High atomisation capacity, up to 6.5 kg/h (14.3 lb/h). Extremely easy to install. The very small diameter of the droplets generated by humiDisk evaporate in small spaces, making it easy to position the unit.

Hygiene

Automatic drainage of the water tank after each operating cycle ensures hygiene and makes it ideal for places where food is stored, for cold rooms or other small industrial environments and warehouses. When coupled with the control panel, the humidifier carries out frequent washing cycles to avoid the formation of stagnant water and prevent the spread of bacteria!

Control panel

When coupled with the control panel, humiDisk can:

- be controlled by a humidity probe for greater precision
- carry out automatic washing cycles, consequently improving system hygiene and reducing required maintenance.

Frost protection

The humidifier can be equipped with a frost protection heater that is activated at temperatures near 0°C, allowing operation down up to -2°C.



Minimum maintenance

humiDisk is a sturdy product that can work for an extended period with very little maintenance.



Any kind of water

The unit works with mains drinking water, softened or demineralised water.



Low energy consumption

Around 34 W per kg/h of capacity.

Applications

In many industrial environments where hygroscopic materials are processed, the production capacity and final product quality are strongly affected by relative humidity and the possible formation of electrostatic discharges.



Printing and paper industries

Paper is made from plant fibres and is inherently hygroscopic, which means it is very susceptible to changes in humidity. A correct and stable humidity level ensures better print quality and increases productivity and efficiency, minimising costs due to machinery downtime and wasted material.

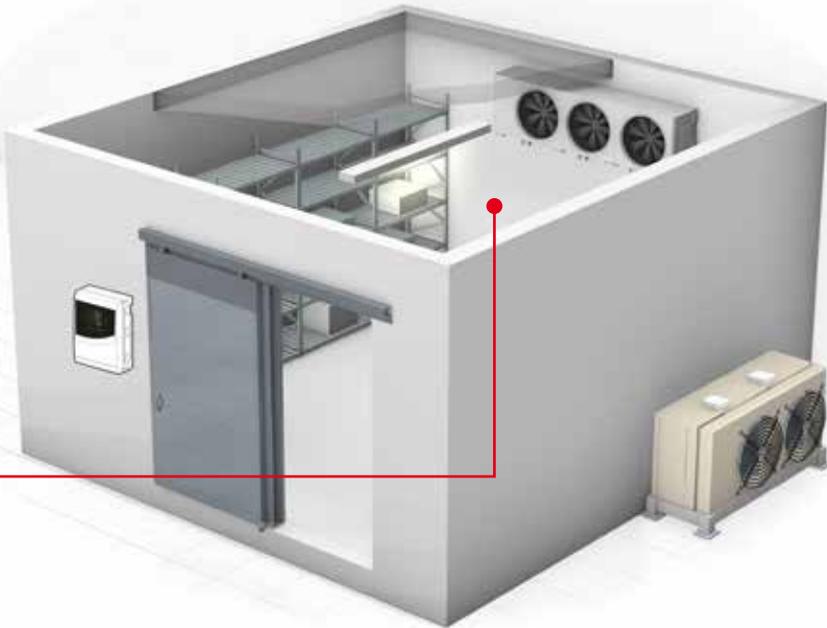
Textile industry

The right humidity level minimises yarn breakage and dust problems, while the adiabatic cooling process absorbs the heat generated by the looms.

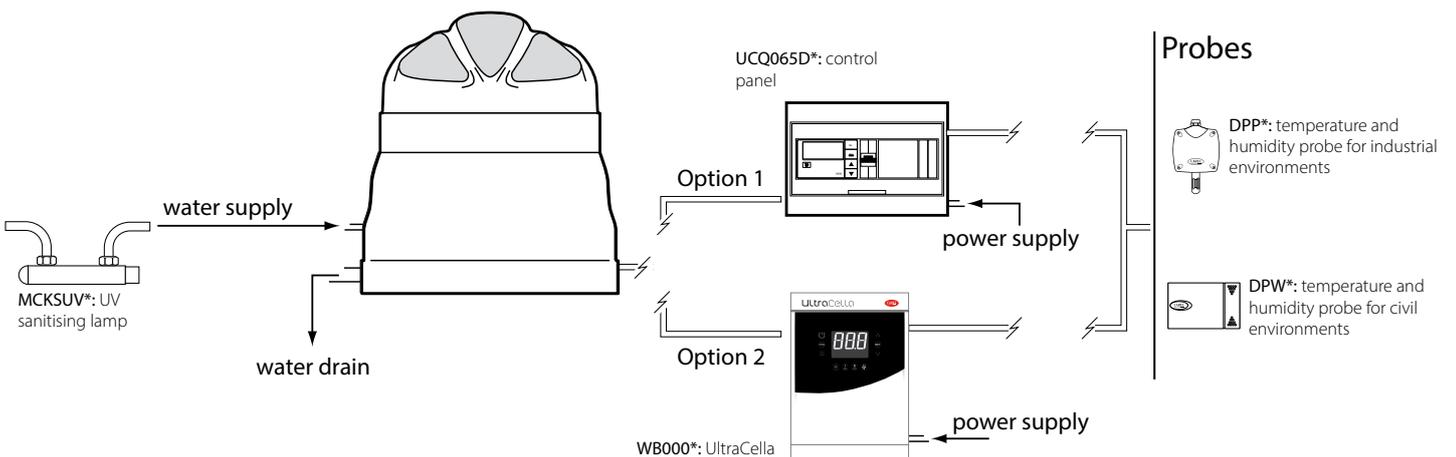


Cold room

Fruit and vegetables are composed largely of water, and must be kept at a combination of low temperatures and high relative humidity to avoid dehydration and wilting, and to control the metabolic ripening processes, which still continue after harvesting.



Installation diagram

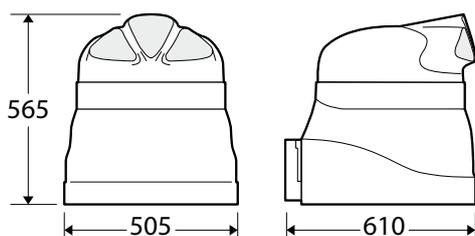


Technical specifications

	humiDisk 10	humiDisk 65
Power supply	230 V, 50 Hz - 110 V, 60 Hz	
Power input	31 W	230 W - (290 W with frost protection heater)
Frost protection heater	no	yes
Certification	CE and ETL	

Dimensions/positioning

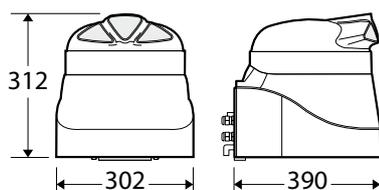
humiDisk₆₅ - weight 17.6 kg



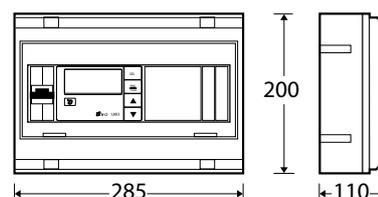
Positioning

humidifier	distance (m)			
	A	B	C	D
UC010	≥2	≥0.5	≥1.5	≥0.5
UC065	≥3	≥1	≥1.5	≥0.5

humiDisk₁₀ - weight 4.3 kg



control panel



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