

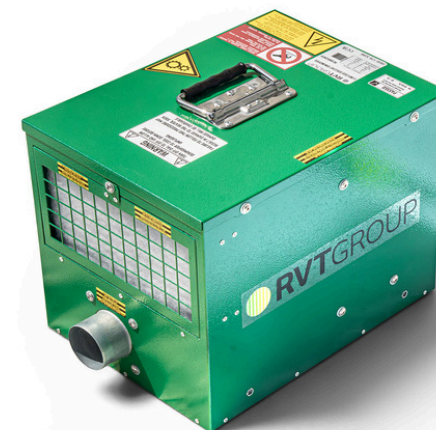
Climate Control

The CLIMEX[®] DD20 desiccant dehumidifier provides low humidity air to assist with the drying out or protection of properties and equipment.

The CLIMEX[®] DD20 operates using two air flows; the main one is the air to be dehumidified, a second flow - of a smaller capacity - is used to regenerate the dehumidification rotor. A fan inside the dehumidifier creates these two streams of air that pass through the rotor in opposite directions. The air to be dehumidified - also called 'process air', passes through the desiccant rotor impregnated with silica gel.

As it passes through the rotor, the air gives up its moisture content to the rotor. The dehumidified air is then sent into the production room or process to be dehumidified.

So-called 'regeneration air' is used by the system to remove the absorbed moisture and carry it outside: it is heated by a battery inside the dehumidifier to approximately +100°C and passes through the rotor in the opposite direction to the process air and subjects it to a reverse process, whereby the rotor gives up its moisture content and its initial absorption capacity is restored.



Features

- Operates at temperatures down to -10°C.
- Low power requirements.
- Lightweight, 16kg unit with handle.
- Operates at maximum airflow up to 2500
- Employs twin 300mm process air connections.
- Robust, heavy-duty 220kg industrial unit.
- Utilizes a single 250mm wet air outlet.
- Features an integrated, smart PLC control system.

Benefits & Advantages

- Lightweight and portable frame makes it effortless to carry and position across restricted workspaces using the integrated handle.
- Extreme sub-zero functionality ensures highly reliable moisture extraction in cold environments operating at temperatures down to -10°C.
- Low energy draw requires minimal power consumption to keep operational costs low while maintaining continuous property protection.
- Versatile multi-industry deployment effectively prevents structural corrosion, timber warping, and condensation faults across diverse work sites.
- Efficient dual airflow design uses a silica gel rotor to seamlessly supply low humidity air while simultaneously exhausting captured wet air outside.



[Request Price](#)

Technical Data

Specification	Climex [®] DD20
Capacity (20°C/60% RH)	1.1 kg/h
Maximum airflow	300m ³ /h
Usable static pressure	150 Pa
Fan nominal power	102 W
Regenerated airflow	100m ³ /h
Usable static pressure	150 Pa
Power supply	110V/1Ph/50Hz
Maximum power consumption	1.51 kW
Maximum absorption	7 A
Sound pressure level @ 10m	42 dB (A)
Process and regeneration air inlet	130 x 130mm
Dry air outlet	Ø 160
Wet air outlet	Ø 80
Weight	220kg
Dimensions L x H x W	350mm x 340mm x 300mm
Weight	16kg

Key Applications

- Moisture control in production processes.
- Drying of temperature-sensitive products such as food or pharmaceuticals.
- Maintaining the correct level of humidity in storage warehouses.
- Corrosion protection of equipment and ferrous materials.
- Humidity control in museums and libraries.
- Drying of buildings after flooding.
- Drying timber framing to prevent warping or mould growth during early-stage construction.
- Prevents condensation-related faults during servicing of roadside or underground telecom units.
- Protects sensitive tools, adhesives, or electronics kept in storage cages during maintenance.
- Naval ship compartment drying to prevent corrosion and maintain operational integrity during maintenance.

Suitable for:

Construction | Industry | Rail | Healthcare |
 Nuclear | Utilities | Infrastructure | Water and
 Sewage | Ship & Marine | Waterworks |
 Manufacturing