



SINCE 1910

Reinders Bulk series

Adsorption dehumidifier

Reinders Industrial

Reinders Industrial is the leading supplier of adsorption dehumidifiers since 1910. We offer you the most effective and technical solution for adsorption dehumidification currently available.



+ Reliable operation

Quality units developed by the world's leading experts in the field.

+ Robust & resilient

Designed to withstand constant use. Standard stainless-steel housing ensures robust and hygienic performance.

+ Full control

Wide range of controllers and sensors to control both humidity and dew point. The dehumidifier can be connected to all external controller types.

+ Easy to maintain

Designed for easy access, therefore simple and inexpensive to maintain.

+ Easy to operate

Through microprocessor-based control units and advanced sensors, with the right degree of automation you need.

+ Energy-efficient

Designed to consume as little energy as possible while at the same time achieving a maximum effect.

+ Low operational costs

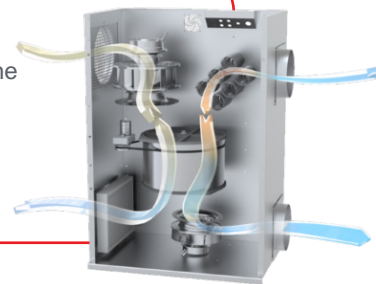
Long service life and remarkably inexpensive to operate.

+ Very easy installation

Place it, connect it and plug it in.

The principle

The adsorption air dehumidifier is designed to remove water vapor from the air. The whole process is autonomous and cyclic, therefore continuously providing dry air. The rotor is equipped with separated air flows which guarantees great precision and optimal functioning.





Adsorption dehumidifier

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This dehumidifier comes standard equipped with a robust stainless-steel housing suitable for indoor installation, and is optionally equipped with high quality, energy-efficient EC fans.

The dehumidifier requires very little service, nevertheless, the dehumidifier is designed to be easily accessible so that the various components can be adequately checked and replaced quickly if necessary.

The adsorption dehumidifier is a complete unit that includes a rotor, a transmission motor, fans, a heater, air filters and an integrated electrical system with all components necessary for safe operation. The autonomous control system automatically adjusts the output to the requirements.

Specifications

	Reinders Bulk series	Unit
Electrical connection capacity	0.78 - 1.97	kW
Connection voltage	230 / 1	V / Ph+N+PE
Dimensions D x W x H	407 x 544 x 430	mm
Weight	28	kg

The bulk series is available with several dehumidification capacities and varying specifications. Contact our product specialists for advice and exact specifications.

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Options

Hygrostat

The hygrostat switches the dehumidifier to the desired relative humidity [%RV] in the air.

Dew point controller

The dew point controller is equipped with a capacitive humidity sensor and digital readout. The combination of relative humidity [%RV] and dew point temperature [°Cdp], with the possibility of setting e.g. both a set point of 60%RV and a dew point of 10°C, makes the controller suitable for many process applications.

Application

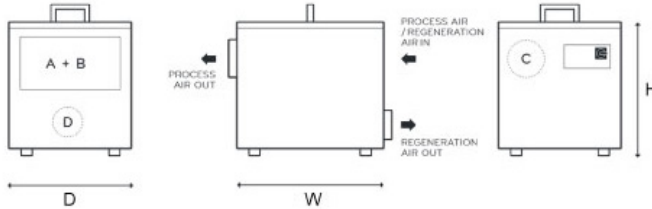
During the day, the air above the product in the bulk storage will heat up. Once the sun is gone everything will start to cool down, however the air inside the bulk storage will cool down slower than the outside air. This will cause the moisture in the air inside the bulk storage to start condensing against the roof and walls, causing the product to become wet, sticky and clumped.

By constantly drying the outside air and blowing it into the room, the bulk storage is provided with a “dry” air cushion and condensation in the bulk storage will be prevented and the product will no longer be wet.



Sketch

The total dimension of the adsorption dehumidifier with air cooling is: 407 x 544 x 430 mm (D x W x H).



Maintenance

Annual maintenance is essential for the optimal functioning of your dehumidifier as well as to prevent malfunctions and premature aging. If a defect is detected, our technician can intervene immediately by checking the correct parameters and settings, by cleaning the parts and repairing or replacing them. It is also good to know that preventively maintained dehumidifier(s) last even longer and are also more economical to operate.

Reinders Industrial can provide you the following options:

Maintenance plan

If you opt for a maintenance contract, Reinders Industrial will provide a full maintenance service once a year, including replacement of the suggested parts.

Maintenance and breakdown plan

In addition to the annual maintenance service, you also benefit from our breakdown service. Our 24-hour technical service is available 365 days a year, including weekends and holidays. With our dedicated service team, we will try to solve your breakdown the same day.



Industrial

Reinders Corporation

Reinders Industrial is a proud member of Reinders Corporation. A private company in the 4th generation, operating in more than 100 countries across six continents. Since 1910, the name Reinders has come to be associated with a reputation for excellence in air and climate solutions worldwide.

Interested or questions?

Get in touch with us. The experts of Reinders Industrial are at your service!

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