

PORTABLE ADSORPTION DEHUMIDIFICATION



Dantherm[®]
CONTROL YOUR CLIMATE

PORTABLE ADSORPTION DEHUMIDIFICATION

ENSURES DRY CONDITIONS AT LOW TEMPERATURES

Adsorption dehumidification ensures dry conditions at low temperatures. This makes the AD portable range the obvious choice for drying out new buildings or water damage during the winter season and for maintaining low levels of relative humidity at facilities with a low ambient temperature.

Humidity problems are most often associated with hot and damp environments, and usually a condense drying dehumidifier is applied. However, at ambient temperatures below 10°C condensation is not very easily achieved, whereas humid air and moisture from materials, open water surfaces, and production processes can cause serious damage at even very low temperatures.

The AD portable range offer reliable control of the relative humidity of the air, and drying out water damage or newly constructed buildings even at winter temperatures. – After all, accidents happen regardless of the seasons, and construction work goes on all the year round.

Sturdy and compact design

The portable units have been designed for easy handling and transportation.

The sturdy stainless steel cabinets are surprisingly compact and low weight compared to capacity. The countersunk control panel is well protected and folding handles for carrying make the units easy to stack during transportation and storage.

KEY FEATURES

- Ensures dry conditions at low temperatures
- Reliable control of the relative humidity of the air
- Sturdy and compact design
- Cabinet in stainless steel / hot galvanized powder coated steel
- Designed for easy handling and transportation
- Low weight
- Easy to stack during transportation and storage
- MID approved energy counter
- Hour counter
- Internal humidistat



AD 200



AD 300

Technical data

	Dehumidification 20°C/60% rH kg/h	Nom. volume, dry air m ³ /h	Nom. volume, regenerated air m ³ /h	Power Consumption kW	Weight kg	Dimensions L x W x H mm
AD 200	18,75 kg/24h	210	110	0,7	14	326 x 289 x 285
AD 300	25,70 kg/24h	300	110	1,1	18	359 x 337 x 352

Easy installation and service

The portable units are fast and easy to install. Just connect one or two hoses to the dry air and one hose to the regeneration air outlet and lead it to the outside.

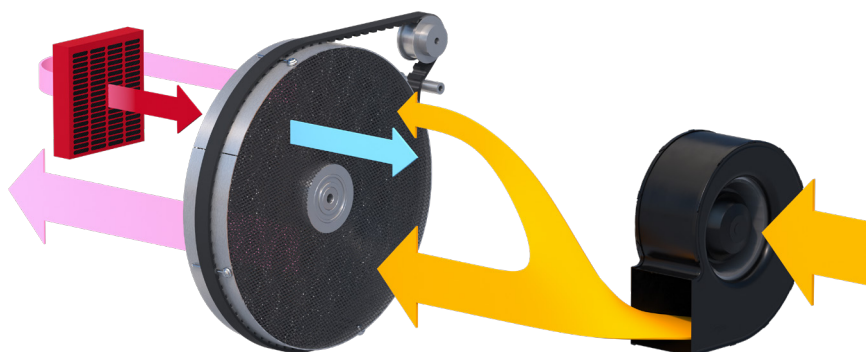


The dry air outlet can be turned for connection of either one or two hoses.

The cabinet provides easy access for internal cleaning and service, and the air filter can be changed without opening the cabinet.

High-performance operations

The built-in hour and energy counter shows the accumulated hour and energy consumption.



The energy counter is very precise and has the MID approval which is highest marked standard.

The portable range offers reliable high-performance operations at low temperatures and easy installation ensure fast results in drying out constructions and emergency situations minimizing the long-term damage caused by flooding.

The portable units can run continuously, or they can be controlled by internal hygrostat.

How the dehumidifier works

An adsorption dehumidifier is divided into two zones. In the drying zone moist air from the air inlet passes through a silica gel rotor that adsorbs the moisture and the dry air is returned to the room. In the regeneration zone hot air is blown through the rotor drying out the silica gel and carrying the moisture through the connected hose to the outside.

APPLICATIONS

- Water damage restoration
- Building drying
- Industrial processes
- Room dehumidification
- Water works and pump stations



Air filter can be changed without opening the cabinet.



The built-in hour and energy counter shows the accumulated hour and energy consumption.

ABOUT THE DANTHERM GROUP

Control your climate

The Dantherm Group is a leading provider of climate control products and solutions. The group companies have more than 60 years of experience in designing and manufacturing high-quality and energy-efficient equipment for heating, cooling, drying and ventilation for a wide range of mobile and fixed applications.

Every year, Dantherm Group uses significant resources on product development to stay in the forefront and is constantly adapting the products to changing market demands and legislation.

The Dantherm Group has a number of strong brands with well-established market positions in the mobile, pool, commercial/industrial and residential markets.

Dantherm Group customers benefit from our comprehensive knowledge base and the experience and expertise that we have gained from more than three million climate control products and solutions sold worldwide.

Global reach

The Dantherm Group is headquartered in Skive, Denmark and has companies in Norway, Sweden, United Kingdom, Germany, France, Switzerland, Italy, Spain, Poland, Russia, China and United Arab Emirates and a global distribution network.

In 2016 the Dantherm Group was acquired by the Swedish equity fund Procuritas Capital Investors V LP – a strong owner with the ambition to continue the development and growth of the company.

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CLIMATE SOLUTIONS

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