

Desiccant Dehumidifier Market by Method (Rotary, Solid Bed, Hybrid, Compact and Liquid), Product (Fixed/Mounted, Portable), Use Case (Corrosion Prevention, Condensation Prevention, Mold/Fungus Prevention, Dry Cooling) - Global Forecast to 2029

Market Report | 2024-08-29 | 239 pages | MarketsandMarkets

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## Report description:

The desiccant dehumidifier market is projected to grow from USD 605.5 million in 2024 and is expected to reach USD 811.0 million by 2029, growing at a CAGR of 6.0% from 2024 to 2029.

"Growing demand for energy-efficient solutions is driving the demand is contributing to the growth of the desiccant dehumidifiers market."

Energy efficiency solutions are expected to fuel the demand for desiccant dehumidifiers. This trend is emerging from several factors, wherein industries and business enterprises across all sectors are taking measures toward attaining sustainability, reducing costs, and achieving regulatory compliance. Business establishments are adapting ways to bring down the energy consumption. Desiccant dehumidifiers are highly energy-efficient devices, especially when they are linked to hundreds of tons of refrigeration in terms of energy cost that a conventional refrigeration-based dehumidifier consumes. Desiccant dehumidifiers maintain the relative humidity condition of an area at a relatively lower energy cost aiding in cost efficiency to the company. "Portable product type segment of the desiccant dehumidifier market is expected to hold significant market share during the forecast period."

Portable desiccant dehumidifiers find applications in many diverse environments, from residential houses and buildings to commercial and industrial sites. Since they are easily portable, they are highly preferable in applications that need high mobility and flexibility, such as temporary setups, small-scale operations, or specific zones within a large facility. In residential settings, portable desiccant dehumidifiers are in demand for their effective management of humidity in small residential spaces, like basements, attics, and crawl spaces. They are specially functional in cool climates where traditional refrigerant-based

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dehumidifiers may not work efficiently.

"The power plants & wind turbines sub-segments in the energy segment of the desiccant dehumidifier market is expected to hold largest share during the forecast period."

In both power plants and wind turbines, the presence of moisture causes significant damage to the major parts, such as turbines, generators, transformers, electrical components, and control systems of a power plant and windmill during their operation, which may result in malfunction, short circuits, and even disastrous failures. Desiccant dehumidifiers effectively lower humidity levels to prevent corrosion and extend the life of critical assets. These dehumidifiers maintain dry conditions, ensuring the reliability and safety of electrical systems so that power generation facilities and wind turbines are able to generate energy at maximum capacities.

"The US is expected to hold the largest market size in the North America region during the forecast period."

Several factors are driving the dominance of the US in the desiccant dehumidifier market. Increasing construction activities coupled with a growing need for dehumidification in commercial and industrial places were among those drivers. This growth in residential and commercial construction has provided impetus to the demand for climate-control solutions, which includes dehumidification systems. An effective management of moisture becomes critical as buildings are being built tighter and more energy-efficient to avoid the growth of mold and damage in a structure.

- By Company Type: Tier 1 40%, Tier 2 40%, and Tier 3 20%
- By Designation: C-level Executives 40%, Managers 40%, and Others 20%
- By Region: North America -30%, Europe 30%, Asia Pacific- 40%, and RoW 10%

The report profiles key players in the desiccant dehumidifier market with their respective market ranking analysis. Prominent players profiled in this report include Bry-Air (India), Munters (Sweden), Condair Group (Switzerland), Cotes (Denmark), Seibu Giken DST (sweden), Trotec Laser GmbH. (Austria), DehuTech AB (Sweden), Fisen Corporation (US), KAESER KOMPRESSOREN (Germany), and Atlas Copco AB (Sweden). PARKER HANNIFIN CORP (US), Airwatergreen (Sweden), Sunpentown Inc. (California), SPX FLOW (US), Quincy Compressor (US), ZEKS Compressed Air Solutions (US), Desiccant Technologies Group (Vilnius), NiGen International L.L.C. (US), Shanghai Rotorcomp Screw Compressor Co., Ltd. (China), Innovative Air Technologies. (US), De' Longhi Appliances S.r.l. (Italy), STULZ Air Technology Systems, Inc. (US), Fisair (Spain), Dantherm Group A/S (Denmark), Meaco (UK), PT Denusa Sejahtera (Indonesia), Therma-Stor (US), HuTek(Asia) Company Ltd. (Thailand), Andrews Sykes Group (UK), Ebac Industrial Products Ltd (US), Ecor Pro (Netherlands), Trane Technologies plc (US), FlaktGroup (US), Sullair, LLC (US), NovelAire Technologies LLC (US), and Humiscope (Australia) are among a few other key companies in the desiccant dehumidifier market. Report Coverage

The report defines, describes, and forecasts the desiccant dehumidifier market based on by product type, application, end user and region. It provides detailed information regarding drivers, restraints, opportunities, and challenges influencing the growth of the desiccant dehumidifier market. It also analyzes competitive developments such as product launches, expansions, acquisitions, and actions carried out by the key players to grow in the market.

### Reasons to Buy This Report

The report will help the market leaders/new entrants in the market with information on the closest approximations of the revenue for the overall desiccant dehumidifier market and the subsegments. The report will help stakeholders understand the competitive landscape and gain more insight to position their business better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, opportunities, and challenges.

The report will provide insights into the following pointers:

- Analysis of key drivers (Rising adoption of desiccant dehumidifiers in various industries), restraints (Complex installation process of desiccant dehumidifiers), opportunities (Ongoing developments in desiccant dehumidifier technology), and challenges (Environmental concerns related to desiccant dehumidifiers) of the desiccant dehumidifier market.
- Product development /Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the desiccant dehumidifier market.
- Market Development: Comprehensive information about lucrative markets; the report analyses the desiccant dehumidifier market

across various regions.

- Market Diversification: Exhaustive information about new products & services, recent developments, untapped geographies, and investments in the desiccant dehumidifier market.
- Competitive Assessment: In-depth assessment of market share, growth strategies, and services, offering of leading players like Bry-Air (India), Munters (Sweden), Condair Group (Switzerland), Cotes (Denmark), and Seibu Giken DST (sweden) among others in the desiccant dehumidifier market.

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Zip Code*	Country*	
	Date	2025-05-19
	Signature	