

Desiccant Dehumidifier Market Poised to Hit US\$6.72 Billion by 2034 with 7.2% CAGR Growth

Growing demand for productive humidity regulation covering industries such as food processing and pharmaceuticals is driving the market demand.

NEW YORK CITY, NY, UNITED STATES, January 15, 2025 /EINPresswire.com/ -- Desiccant



These devices are functional in low-temperature ambiances and applications needing accurate humidity regulation."

Polaris Market Research

Desiccant Dehumidifier Market

The desiccant dehumidifier market is projected to reach a value of US\$6.72 billion by 2034, growing at a CAGR of 7.2%. This growth is driven by the increasing demand for precise humidity control in various industries, including food processing and pharmaceuticals. The market is also influenced by the rising awareness of indoor air quality and the need for energy-efficient dehumidification solutions. The market is expected to be dominated by the refrigerant dehumidifier segment, which is used in most residential and commercial applications. However, the desiccant dehumidifier segment is expected to grow significantly, particularly in low-temperature environments where refrigerant dehumidifiers are less effective. The market is also expected to be influenced by the increasing demand for energy-efficient dehumidification solutions, which is driving the development of new technologies and products.

Desiccant dehumidifiers are used in a wide range of applications, including food processing, pharmaceuticals, and industrial manufacturing. They are particularly useful in low-temperature environments where refrigerant dehumidifiers are less effective. The market is expected to be dominated by the refrigerant dehumidifier segment, which is used in most residential and commercial applications. However, the desiccant dehumidifier segment is expected to grow significantly, particularly in low-temperature environments where refrigerant dehumidifiers are less effective. The market is also expected to be influenced by the increasing demand for energy-efficient dehumidification solutions, which is driving the development of new technologies and products.

For almost all homes and even business usage, the refrigerant dehumidifier works well enough.

Albeit there are times when desiccant dehumidifiers are essential. A desiccant dehumidifier can slash energy prices of a gas boiler by up to 40% as per the National Renewable Energy Laboratory.

For more information, please visit our website:

https://www.polarismarketresearch.com/industry-analysis/desiccant-dehumidifier-market/request-for-sample?utm_source=EIN&utm_medium=EIN&utm_campaign=EIN&utm_id=01

These dehumidifiers operate in positions where refrigerant dehumidifiers would be arduous to install or wasteful. They utilize a silica gel pack-dependent dehumidification system to remove water from the air in the area. The effective operation in lesser temperatures and conveyance of

accurate moisture regulation render them perfect for susceptible industrial applications, pushing the desiccant dehumidifier market demand.

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Understanding key players and their initiatives provides valuable insights into the competitive landscape and emerging opportunities in the market. Here are the top companies in the market:

- LG Electronics
- Honeywell International Inc.
- GE Appliances, a Haier Company
- De'Longhi Appliances S.r.l.
- Bry-Air Pvt. Ltd.
- Danby
- Whirlpool Corporation
- Munters Group
- STULZ Air Technology Systems, Inc
- CondAir Group



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Growing Focus on Conservation: Growing concentration on conservation justifiability has boosted their acquisition as desiccant dehumidifiers provide notable energy-efficient probabilities, particularly in HVAC systems. Additionally, the growing demand for superior interior air quality and directives such as good manufacturing practices and hygiene regulations for procedures that are susceptible to moisture pushes the demand for desiccant dehumidifier market growth.

Growing Usage in Pharmaceutical Sector: Several industrial and commercial sectors growingly need accurate humidity regulation in several applications such as drying, reservation, and microbial growth prohibition. Industries such as pharmaceuticals, food processing, electronics, and HVAC need strict moisture handling to sanction commodity quality and conformity with security directives.

Optimal Functioning in Low Temperatures: Desiccant dehumidifiers are acknowledged for their potential to function productively in low temperatures that need less energy as contrasted to conventional refrigerant dependent systems. As industries are becoming more aware of energy intake and justifiability, they are moving to progressive desiccant technologies that provide enhanced performance with lesser energy usage.

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- The desiccant dehumidifier market segmentation is based on product type, application, end user, and region.
- By product type, the fixed/mounted segment held the largest market share. This is due to their substantial usage in industrial applications where concordant extensive humidity regulation is important.
- By end user, the commercial segment is poised to register a significant CAGR. This is due to the growing demand for green humidity controllers in setups such as data centers, offices, healthcare potential, and retail ambiances.

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The research report covers all the major regions and sub-regions of the desiccant dehumidifier market. The study provides market insights into North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa.

North America: North America accounted for the largest market share. This is primarily because of the substantial demand for accurate humidity regulation in several industries, such as pharmaceuticals, food processing, electronics, and data centers covering the region.

Asia Pacific: Asia Pacific is anticipated to witness the fastest CAGR from 2025 to 2034. The region's growing industrialization and urbanization in nations such as China and India fuel the regional market expansion.

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How much is the desiccant dehumidifier market?

The market size was valued at USD 3.35 billion in 2024 and is projected to grow to USD 6.72 billion by 2034.

What is the growth rate of the desiccant dehumidifier market?

The global market is projected to register a CAGR of 7.2% during the forecast period.

Which region dominated the market in 2024?

North America dominated the market in 2024.

Which segment by product type dominated the market in 2024?

In 2024, the fixed/mounted segment dominated the market.

Polymers' market is expected to grow significantly over the forecast period. The market is projected to reach a value of \$1.0 billion by 2030, growing at a CAGR of 10.0%.

[Polymers Market](#) is projected to reach a value of \$1.0 billion by 2030, growing at a CAGR of 10.0%.

Polymers Market:

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Polymers Market & Elastomer Gel in Personal Care Market:

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