

Membrane Air Dryers Market Analysis By Product (Porous, Non-Porous), By Application (Food & Beverage, Medical, Industrial, Electronics/Semiconductor, Telecommunication) And Segment Forecasts To 2020

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Abstracts

The global membrane air dryers market is expected to reach USD 662.7 million by 2020. Apart from regular air purity requirements, special applications require high degree of air purification, particularly in the medical sector, which is expected to drive the membrane air dryers market. These products are increasingly being used in the medical sector, particularly dentistry.

Membrane air dryers help save energy as they do not require electricity to operate; they also improve manufacturing processes, reduce plant noise and enhance the overall system reliability. The presence of water vapor or moisture in compressed air or steam employed in food processing may lead to significant problems, thereby driving the membrane air dryers market. Further, the meat and dairy industry needs to comply with several hygiene requirements in their food preparation areas. Membrane air dryers prevent air compressors from corrosion or rust and provide improved operational efficiency, which is also expected to favorably impact market growth.

Further key findings from the study suggest:

Porous dryers are expected to remain the leading product segment over the next six years. Membrane air dryers combined with a coalescing filter provide peak overall system performance along with optimal total cost of ownership, which is expected to favorably impact market demand.

Food and beverage applications are expected to witness high growth over the forecast period. Food processing facilities are required operate with a fundamental assumption that compressed air can be a source of chemical and microbiological contamination, thereby making adoption of membrane air dryers crucial. Membrane air dryers offer several benefits over conventional or alternative drying techniques in terms of energy efficiency, which is further expected to spur market demand over the forecast period.

North America is expected to emerge as the dominant region, which may be attributed to growing demand in the telecommunication, medical and food & beverage sector. Standards and regulations governing the food processing sector, particularly in Europe and North America are expected to favorably impact regional market growth over the forecast period.

Leading market participants include Pentair, Atlas Copco, Gardner Denver, Parker Hannifin, Sullair, etc. Increased investments in R&D activities and new product development, along with emphasizing on providing customized end-use solutions are among the critical success factors for manufacturers.

For the purpose of this study, Grand View Research has segmented the global membrane air dryers market on the basis of product, application, and region:

Membrane Air Dryers Product Outlook (Revenue, USD Million, 2012 – 2020)

Porous

Non-Porous

Membrane Air Dryers Application Outlook (Revenue, USD Million, 2012 – 2020)

Food & Beverage

Medical

Industrial

Electronics/Semiconductor

Telecommunication

Others

Membrane Air Dryers Regional Outlook (Revenue, USD Million, 2012 – 2020)

North America

Europe

Asia Pacific

RoW

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