

# Fuel Cell Humidifier Market is Booming International Business Over Forecast Years 2022- 2027

*The investments and expansions in the electric vehicle manufacturing units are set to drive the Fuel Cell Humidifier Market growth rate.*

HYDERABAD, TELANGANA, INDIA, January 25, 2023 /EINPresswire.com/ -- IndustryARC, in its latest report, predicts that [Fuel Cell Humidifier Market](#) is estimated to reach \$657.2 million by 2027, witnessing a CAGR 30.25% from 2022 to 2027. A fuel cell humidifier protects the fuel cell membranes against drying out. In addition, the humidifiers, provides humidity by transferring water vapor from the exhaust air to the intake air compressor. The growing expansions in the fuel cell and hydrogen fuel cars manufacturing units owing to the stringent environmental regulations is set to boost the fuel cell membrane humidifier industry thereby elevating its market growth.

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Key Takeaways:

This IndustryARC report on the Fuel Cell Humidifier Market highlights the following areas –

- The growing number of companies offering water to gas humidification is set to boost its market growth in the future. For instance, Perma Pure offers water to gas humidifiers such as Monotube Humidifier Series and FC Series.
- Growing automotive industry coupled with the growing demand of fuel cell humidifiers in order to ensure that the system is hydrated to function properly is set to influence the prices of fuel cell humidifiers.



- Moreover, in the year 2020, fuel cell humidifiers manufacturers and related businesses were expected to witness record sales with few elements of drawbacks, such as the inability to manufacture as production plants were ordered to shut down to reduce spreading of the virus.

### Segmental Analysis:

#### By Type:

Flat membrane humidifier accounted for major share in 2021. This segment generated a revenue of \$78.6m in 2021 and is forecast to be growing at a fastest CAGR of 26.22% during the forecast period 2022-2027. This segment is projected to generate revenue of \$303.1 million by 2027. This is mainly owing to the growing strategies adopted by key players in order to expand its product portfolio.

#### By End Use Industry:

The growing automotive and aerospace industry coupled with the wide usage of internal humidification process without which the fuel cells becomes too dry and reduces the proton transport in the fuel stack and decreases the oxygen reduction reaction at the cathode resulting in poor fuel cell function or even failure is influencing its market growth.

#### By Geography:

APAC is analyzed to be the dominant region owing to the large automotive industry in the region. Adding to this, China and Japan are the major countries contributing to the market in the region with significant consumer demand for vehicles. Moreover, In October 2020, Japan Bank for International Cooperation (JBIC) agreed to provide US\$ 1 billion (Rs. 7,400 crore) to SBI (State Bank of India) for funding the manufacturing and sales business of suppliers and dealers of Japanese automobile manufacturers and provide auto loans for the purchase of Japanese automobiles in India.

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### Competitive Landscape:

The top 5 players in the Fuel Cell Humidifier Industry are -

1. Freudenberg Filtration Technologies
2. MANN+HUMMEL
3. Perma Pure

4. Kolon Industries
5. Enprise Corp.

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