
Description:

The automotive heat exchanger market in US is expected to reach $11.55 billion by 2017, growing at a CAGR of 9.25% till 2020. The market in the country makes it the highest contributor in the global heat exchanger market. With stringency in the CAFE regulations regarding emission standards, the automakers are obtaining components including aluminium heat exchangers, critical for the manufacturing of lightweight vehicles. An automotive heat exchanger is useful for transferring heat between two mediums at different temperatures which are in thermal contact with each other. Heat exchangers used extensively for turbocharging and application in electric vehicle manoeuvre the growth in the heat exchanger market. There are a huge variety of sports vehicle and other off-road vehicles, which extensively use turbocharger to augment the speed of the vehicle. A turbocharged engine requires an intercooler to cool the air, which has been charged in the engine. Thereby, the increased use of turbocharged engines has brought about a proportional increase in the demand for intercoolers.

Hybrid and electric vehicles require additional low-temperature heat exchangers along with normal heat exchangers for regulated battery cooling. Major automotive heat exchanger vendors are focusing on targeting the growing demand for additional heat exchangers and hence have introduced battery-cooling systems for hybrid vehicles. For instance, Mahle supplies battery cooling systems for the Mercedes S400 BlueHYBRID. Small and Regional vendors are also in the process of providing battery cooling solutions for hybrid vehicles.

The availability of the critical raw materials also posed a significant concern in the market raising pricing concerns in the competitive and price-sensitive heat exchanger market. Raw materials like that of copper and aluminium were in an anxious situation in 2014. There was a shortfall in supply of copper for the fifth consecutive year at the beginning of 2015. In the aluminium market, financial transactions such as purchase of physical quantities, storage of these stocks in warehouses (owned by the London Metal Exchange), and simultaneous sales of the same in the market faced severe challenges in the aluminium market. The shortage of any raw materials result to price hikes and attempts have been made to address this issue through the use of alternative materials. Therefore, automotive heat exchanger manufacturers continuously remain under pressure from OEMs with regard to the pricing of the automotive heat exchangers making the manufacturers extremely sensitive to fluctuations in the raw material prices.

The market is segmented on the basis of application, design type and vehicle type. The automotive radiator leads the market with a share of more than 55% in the application type. The shell and tube type heat exchangers, accounted for the largest share in the US heat exchangers market with extrusion/fin heat exchangers growing at a significantly high rate. The growth in the electric vehicle segment would also be the highest among the vehicle types. The automotive heat exchanger market is fragmented and highly competitive with the presence of a large number of vendors across the country. Denso, Valeo, Climetal, Visteon are the dominant players in the market.

The Report Offers:

- Market Definition along with identification of key drivers and restraints for the market.
- Market analysis with region specific assessments and competition analysis on the market
- Identification of factors instrumental in changing the market scenarios, rising prospective opportunities and identification of key companies, which can influence the market.
- Extensively researched competitive landscape section with profiles of major companies along with their strategic initiatives and market shares.
- Identification and analysis of the Macro and Micro factors that affect the industry in various countries of the region.

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