
Description: The automotive heat exchanger market in China is expected to reach $5.11 billion by 2017, growing at a CAGR of 10.25% till 2020. China is growing at a rapid pace in the automotive heat exchanger market in APAC region. The country has increased its market share significantly since the early 2000s, and it holds the highest market share of more than 50% in automotive heat exchanger in APAC in 2014. Demand for passenger cars and LCVs are expected to grow in the forecast period leading to high demand for automotive heat exchanger units in China. China is home to more than 500 heat exchanger manufacturers with a huge presence of regional players. The growth of the market is directly proportional to the growth of the regional players operating in the country.

Stringent emission norms in the region, has enabled for technological breakthrough in the production of fuel efficient automotive heat exchanger. One such popular emerging trend apparent in the market is the decline in the engine size of the vehicle leading to the increased demand for two and three-cylinder engines, which are further expected to grow at a CAGR of around 15%, in the country during the forecast period. The sales of four-cylinder engines are expected to fall significantly, with the increased stringency of emission norms (since vehicle weight is directly proportional to the emission released). The increasing demand for small-sized automobiles will affect the demand for turbochargers, which would again help to propel the demand for heat exchangers, leading to the growth of the automotive heat exchanger market in the country.

The automotive heat exchanger market is witnessing innovation to cater with the changing requirements such as the energy reduction norms and the emission standards set by the regulatory authorities of the region. The increased complexity of a heat exchanger has led to operational issues with the heat exchanger. The most common heat exchanger problem for many automotive vehicles is ‘fouling’. ‘Fouling’ occurs within the inside of a tube wall, thereby affecting the heat transfer, reduce performance and even damage the heat exchanger in the long run. The changes in the designing and structuring of the heat exchanger may lead to corrosion, decomposition and settlement of sludge and dust particles which further leads to the problem of fouling. Fouling leads to poor heat transfer and restricted throughput, which consequently lead to higher fuel consumption. Fouling mitigation mechanisms when devised in an automotive heat exchanger further add to the cost of manufacturing automotive heat exchanger. Managing costs while meeting the increased product complexity is a major challenge for automotive heat exchanger vendors.

The increasing demand for a reduction in the weight of automobiles has made the OEMs replace the heavier materials such as iron and steel with lighter materials such as plastics and aluminium. The trend is also followed in the automotive heat exchanger market. Most of the automobile manufacturers (OEMs) are working on the usage of aluminium as a light weight material in the component production. Aluminium and plastic are also less expensive than iron and steel making them useful material characteristics for heat exchangers. The revisions in the emission standards, in compliance with the norms, would lead to increased usage of heat exchangers

The market is segmented on the basis of application, design type and by vehicle type. The automotive radiator leads the market with a share of more than 55% in the application type. The automotive heat exchangers market in the country accounted for the highest share of around 58% in the Asia-Pacific automotive heat exchangers market in 2014. The automotive heat exchanger market in the country is fragmented and highly competitive with the presence of a large number of regional vendors. Denso, Banco, Jiangshu Jiahe, Ningbo Lurun Cooler, Pierberg China 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 the country.

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