

# Global Automotive Exhaust Gas Recirculation (EGR) Systems Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

Exhaust gas recirculation systems are used to reduce nitrogen oxide emission to protect the environment. In exhaust gas recirculation systems, a very small amount of exhaust gas is allowed to leak into the intake manifold to reduce formation of nitrogen oxide. Approximately 6 to 10% of the total exhaust is allowed to leak into the manifold. This dilutes the air and fuel mixture in the combustion chamber and creates a cooling effect. By adding exhaust gas, combustion temperature is kept below 1500°C to minimize the reaction between nitrogen and oxygen which forms nitrogen oxide.

In exhaust gas recirculation system, a small calibrated leak or passage is created between the intake and exhaust manifold. The exhaust gas is sucked into the engine by intake vacuum. The amount of recirculation should be controlled to avoid any effect on idle quality, engine performance and drivability. The exhaust gas recirculation system helps to lower the emission from car exhaust. An exhaust gas recirculation valve is located in the engine compartment that controls the amount of exhaust gas intake. These systems are required by most engines to meet emissions standards. Recirculation of exhaust gas also helps in complete combustion of fuel. However, if the exhaust gas valves get stuck, it will cause nitrogen gas oxide buildup. Fuel mileage of the vehicle will also suffer. Other problems that can be observed are rough idle and bucking on acceleration.

According to our (Global Info Research) latest study, the global Automotive Exhaust Gas Recirculation (EGR) Systems market size was valued at US\$ 2895 million in 2023 and is forecast to a readjusted size of USD 4322 million by 2030 with a CAGR of 6.0% during review period.



At present, the leading companies in the market are BorgWarner, Rheinmetall Automotive, Vitesco Technologies, Korens and Valeo, this top 5 player occupied about 52% market share in 2019.

In terms of product category, Automotive Exhaust Gas Recirculation (EGR) Systems can be generally divided into three categories: EGR cooler, EGR valve and EGR pipe. In 2019, the market share of EGR cooler is the largest, about 47%.

This report is a detailed and comprehensive analysis for global Automotive Exhaust Gas Recirculation (EGR) Systems market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

# Key Features:

Global Automotive Exhaust Gas Recirculation (EGR) Systems market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Automotive Exhaust Gas Recirculation (EGR) Systems market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Automotive Exhaust Gas Recirculation (EGR) Systems market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2019-2030

Global Automotive Exhaust Gas Recirculation (EGR) Systems market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2019-2024

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Exhaust Gas Recirculation (EGR)

Global Automotive Exhaust Gas Recirculation (EGR) Systems Market 2024 by Manufacturers, Regions, Type and Appl...



**Systems** 

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Exhaust Gas Recirculation (EGR) Systems market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BorgWarner, Rheinmetall Automotive, Vitesco Technologies, Korens, Valeo, Maruyasu Industries, Mahle, Aisan, Denso, Delphi, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Automotive Exhaust Gas Recirculation (EGR) Systems market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

**EGR Cooler** 

**EGR Valve** 

**EGR Pipe** 

Market segment by Application

Passenger Car

Commercial Vehicle



# Major players covered BorgWarner Rheinmetall Automotive Vitesco Technologies Korens Valeo Maruyasu Industries Mahle Aisan Denso Delphi Keihin Corporation Tenneco Klubert + Schmidt Mitsubishi Electric Longsheng Technology **TENGLONG**

Global Automotive Exhaust Gas Recirculation (EGR) Systems Market 2024 by Manufacturers, Regions, Type and Appl...

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)



Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Exhaust Gas Recirculation (EGR) Systems product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Exhaust Gas Recirculation (EGR) Systems, with price, sales quantity, revenue, and global market share of Automotive Exhaust Gas Recirculation (EGR) Systems from 2019 to 2024.

Chapter 3, the Automotive Exhaust Gas Recirculation (EGR) Systems competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Exhaust Gas Recirculation (EGR) Systems breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2019 to 2024.and Automotive Exhaust Gas Recirculation (EGR) Systems market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Exhaust Gas Recirculation (EGR) Systems.



Chapter 14 and 15, to describe Automotive Exhaust Gas Recirculation (EGR) Systems sales channel, distributors, customers, research findings and conclusion.



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