

Automotive Valves Market by Propulsion and Component (ICE, EV), Vehicle Type (Passenger Cars, LCV, Trucks, and Buses), EV (BEV, PHEV, HEV), Application (Engine, HVAC, Brake), Function, Engine Valve Type and Region - Global Forecast to 2027

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Abstracts

The global automotive valves market is projected to grow at a CAGR of 2.3% from 2022 to 2027, to reach USD 28.2 billion by 2027. Advance technologies such as antilock braking system (ABS), automatic transmission control, start stop system are pushing the market for automotive valves. Further, the steadily increasing vehicle production and vehicle electrification coupled with rising stringent emission standards is pushing the automotive manufacturers to make more fuel-efficient vehicles, which is further driving the market for automotive valves.

Asia Pacific is expected to be the overall largest market for automotive valves, by value and volume

Asia Pacific is projected to grow at highest CAGR during forecast owing to huge automotive production in China, India, Japan and South Korea among others. Additionally, the countries like China, India and Japan are booming economies which bring immense opportunities for components for advanced vehicles equipped with features such as ABS, automatic transmission, safety systems and others which is expected to further support the market.

The huge vehicle production in Asia Pacific offers high growth opportunities for automotive valves market. Suitable investment policies as well as the availability of cheap labor have made the region ideal for the automotive OEMs investments. Many American and European automobiles manufacturers have established their production

units to developing countries in Asia Pacific. China is largest vehicle manufacturers in Asia Pacific, in 2021 55.8% of total vehicle production was done in China. The top three vehicle producing countries are China, Japan, and South Korea.

Engine valve is expected to dominate the market during the forecast period.

Engine valves (inlet and outlet) holds the largest market share, by volume, by volume, in the global automotive market succeeded by solenoid valve, fuel system valve and others. The ranking is expected to be same during the forecast period. A standard car can consist of up to 16-20 engine valves, depending on cylinder configuration as well as engine design. The moderate increase global vehicle production at rate of 5%-7% will boost the automotive valve market. Furthermore the addition of new vehicle per year is anticipated to add more volume to the market during the forecast period.

Increasing electrification of vehicles to uplift the demand for automotive valves in long term Since the last few years, OEMs have been adopting advanced technologies to meet the stringent emission regulations, better ergonomics, safety regulations, and increasing demand for comfort and convenience. Vehicle electronics play an important role in the improvement of vehicle performance. Additionally, vehicle electrification is the key enabler of alternate fuel vehicle technologies. The electrification of the vehicle helps in a variety of automotive systems, efficient operation of engine, heating and air conditioning systems, and other functions which make use of less fuel and reduced emissions. The advanced hybrid powertrains need an array of electronics for their functioning, which includes solenoid valves, sensors, actuators, and other components. In the near future, the mechanical components will be replaced by electronic components, which will help in making the vehicle lighter and fuel efficient and reduce emissions.

The study contains insights of various industry experts, ranging from component suppliers to Tier I companies and OEMs. The break-up of the primaries is as follows:

By Company Type: OEMs – 26%, Tier I – 65%, Others– 9%

By Designation: CXOs level – 35%, Manager level – 50%, Executive – 15%

By Region: North America – 39%, Europe – 24%, Asia-Pacific – 33%, ROW – 4%

Major players profiled in the report are:

Continental AG (Germany)

Robert Bosch (Germany)

Denso Corporation (Japan)

Aisin Corporation (Japan)

BorgWarner (US)

Valeo (France)

Hitachi Ltd. (Japan)

Eaton (Ireland)

Tenneco (US)

Research Coverage:

The study covers the automotive valves market across segments. It aims at estimating the market size and future growth potential of this market across different segments such as Propulsion & component, application, function, EV type, Vehicle type, material, engine valve technology and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market with information on the closest approximations of revenue numbers for the overall automotive valves market and its subsegments.

This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-

market strategies.

The report also helps stakeholders understand the pulse of the market and provides them information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

TABLE 1 AUTOMOTIVE VALVES MARKET DEFINITION, BY COMPONENT (ICE AND EV)

TABLE 2 AUTOMOTIVE VALVES MARKET DEFINITION, BY FUNCTION

TABLE 3 AUTOMOTIVE VALVES MARKET DEFINITION, BY ELECTRIC VEHICLE TYPE

TABLE 4 AUTOMOTIVE VALVES MARKET DEFINITION, BY VEHICLE TYPE

1.2.1 INCLUSIONS AND EXCLUSIONS

TABLE 5 AUTOMOTIVE VALVES MARKET: INCLUSIONS AND EXCLUSIONS

1.3 STUDY SCOPE

1.3.1 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

TABLE 6 CURRENCY EXCHANGE RATES

1.5 STAKEHOLDERS

1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 AUTOMOTIVE VALVES MARKET: RESEARCH DESIGN

FIGURE 2 RESEARCH DESIGN MODEL

2.1.1 SECONDARY DATA

2.1.1.1 Key secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

FIGURE 3 BREAKDOWN OF PRIMARY INTERVIEWS

2.1.2.1 List of primary participants

2.2 MARKET SIZE ESTIMATION

FIGURE 4 RESEARCH METHODOLOGY: HYPOTHESIS BUILDING

2.2.1 BOTTOM-UP APPROACH

FIGURE 5 AUTOMOTIVE VALVES MARKET SIZE: BOTTOM-UP APPROACH

FIGURE 6 AUTOMOTIVE VALVES MARKET: RESEARCH DESIGN AND METHODOLOGY FOR ICE VEHICLES - DEMAND SIDE

FIGURE 7 AUTOMOTIVE VALVES MARKET: RESEARCH DESIGN AND

METHODOLOGY FOR ELECTRIC VEHICLES – DEMAND SIDE

2.3 DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION METHODOLOGY

2.4 FACTOR ANALYSIS

FIGURE 9 FACTOR ANALYSIS: AUTOMOTIVE VALVES MARKET

2.4.1 FACTOR ANALYSIS FOR MARKET SIZING: DEMAND AND SUPPLY SIDES

2.5 RESEARCH ASSUMPTIONS

2.6 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

FIGURE 10 AUTOMOTIVE VALVES MARKET OVERVIEW

FIGURE 11 AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027

FIGURE 12 PASSENGER CARS TO HOLD LARGEST MARKET SIZE, 2022 VS. 2027

FIGURE 13 KEY PLAYERS IN AUTOMOTIVE VALVES MARKET

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN AUTOMOTIVE VALVES MARKET

FIGURE 14 STEADY SURGE IN PASSENGER CAR PRODUCTION TO DRIVE MARKET

4.2 AUTOMOTIVE VALVES MARKET, BY REGION

FIGURE 15 ASIA PACIFIC PROJECTED TO BE DOMINANT MARKET DURING FORECAST PERIOD

4.3 AUTOMOTIVE VALVES MARKET, BY PROPULSION

FIGURE 16 ICE ESTIMATED EXPECTED TO HOLD LARGER MARKET SHARE DURING FORECAST PERIOD

4.4 AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE + EV)

FIGURE 17 ENGINE VALVES EXPECTED TO HAVE LARGEST MARKET SHARE DURING FORECAST PERIOD

4.5 AUTOMOTIVE VALVES MARKET, BY FUNCTION

FIGURE 18 MECHANICAL SEGMENT EXPECTED TO ACQUIRE LARGEST MARKET SHARE IN FORECAST PERIOD

4.6 AUTOMOTIVE VALVES MARKET, BY ELECTRIC VEHICLE TYPE

FIGURE 19 HEV TO HOLD LARGEST MARKET SHARE THROUGHOUT FORECAST PERIOD

4.7 AUTOMOTIVE VALVES MARKET, BY VEHICLE TYPE

FIGURE 20 PASSENGER CARS TO HAVE HIGHEST GROWTH, 2022 VS. 2027 (USD MILLION)

4.8 AUTOMOTIVE VALVES MARKET, BY APPLICATION

FIGURE 21 ENGINE SYSTEM VALVES TO BE DOMINANT SUBSEGMENT, 2022 VS. 2027 (USD MILLION)

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 22 AUTOMOTIVE VALVES MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Revival of automotive industry

FIGURE 23 CHINA PASSENGER VEHICLE SALES (2012–2021)

FIGURE 24 GLOBAL VEHICLE SALES AND PRODUCTION, 2020 AND 2021

5.2.1.2 Rise in demand for vehicle electrification

FIGURE 25 TOP 10 PREMIUM BRAND REGISTRATIONS IN EUROPE, BY FUEL TYPE

FIGURE 26 GLOBAL PHEV CAR SALES, 2016–2021

5.2.1.3 Stringent government regulations

FIGURE 27 COMPARISON OF EMISSIONS OF EVS AND GASOLINE VEHICLES

TABLE 7 EMISSION NORM SPECIFICATIONS IN KEY COUNTRIES FOR PASSENGER CARS

5.2.2 RESTRAINTS

5.2.2.1 Decrease in number of cylinders in modern engines

TABLE 8 INDIAN CARS WITH TURBO PETROL ENGINES AND THEIR POWER FIGURES

5.2.2.2 Rise in cost of raw materials

TABLE 9 COMMODITY PRICES

5.2.2.3 Declining preference for diesel passenger cars

FIGURE 28 SHARE OF DIESEL AND NON-DIESEL CARS IN PASSENGER VEHICLES SEGMENT IN INDIA

5.2.3 OPPORTUNITIES

5.2.3.1 Increasing demand for solenoid valves and electric vehicles

5.2.3.2 Increased market demand due to electric vehicles

FIGURE 29 GLOBAL BEV SALES

FIGURE 30 ELECTRICAL ARCHITECTURE OF CARS IN 1980S

FIGURE 31 ELECTRICAL ARCHITECTURE OF CARS IN 2020S

FIGURE 32 GLOBAL PHEV CAR STOCK, 2017–2020, BY REGION

5.2.4 CHALLENGES

5.2.4.1 Technical problems associated with valves

- 5.2.4.2 Upcoming emission norms for EGR valves and intercoolers
- FIGURE 33 ON-ROAD LIGHT AND HEAVY-DUTY VEHICLE EMISSIONS REGULATION OUTLOOK
- 5.2.5 IMPACT OF MARKET DYNAMICS
- 5.3 PORTER'S FIVE FORCES
- TABLE 10 IMPACT OF PORTER'S FIVE FORCES ON AUTOMOTIVE VALVES MARKET
- FIGURE 34 PORTER'S FIVE FORCES ANALYSIS: AUTOMOTIVE VALVES MARKET
- 5.3.1 INTENSITY OF COMPETITIVE RIVALRY
- 5.3.2 THREAT OF SUBSTITUTES
- 5.3.3 BARGAINING POWER OF BUYERS
- 5.3.4 BARGAINING POWER OF SUPPLIERS
- 5.3.5 THREAT OF NEW ENTRANTS
- 5.4 KEY STAKEHOLDERS AND BUYING CRITERIA
- 5.4.1 KEY STAKEHOLDERS IN BUYING PROCESS
- FIGURE 35 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 4 VALVES
- TABLE 11 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 4 VALVES (%)
- 5.4.2 BUYING CRITERIA
- FIGURE 36 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS
- TABLE 12 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS
- 5.5 AUTOMOTIVE VALVES MARKET ECOSYSTEM
- FIGURE 37 AUTOMOTIVE VALVES MARKET: ECOSYSTEM ANALYSIS
- TABLE 13 ROLE OF COMPANIES IN AUTOMOTIVE VALVES ECOSYSTEM
- 5.6 AUTOMOTIVE VALVES MARKET: CONFERENCES AND EVENTS
- TABLE 14 AUTOMOTIVE VALVES MARKET: LIST OF CONFERENCES AND EVENTS
- 5.7 TECHNOLOGY ANALYSIS
- 5.7.1 SMART ACTUATORS
- 5.7.2 VALVE BY WIRE
- 5.7.3 NEW VALVE TECHNOLOGY PROMISES CHEAPER AND GREENER ENGINES
- 5.7.4 VALVEMATIC
- 5.8 PATENT ANALYSIS
- 5.8.1 INTRODUCTION
- FIGURE 38 PUBLICATION TRENDS (2012–2021)
- 5.8.2 LEGAL STATUS OF PATENTS
- FIGURE 39 LEGAL STATUS OF PATENTS FILED FOR AUTOMOTIVE VALVES

5.8.3 TOP PATENT APPLICANTS

FIGURE 40 AUTOMOTIVE VALVES PATENTS, TREND ANALYSIS, 2012-2021

TABLE 15 IMPORTANT PATENT REGISTRATIONS RELATED TO AUTOMOTIVE VALVES MARKET

5.9 VALUE CHAIN ANALYSIS

FIGURE 41 MAJOR VALUE ADDITION DURING MANUFACTURING AND ASSEMBLY PHASES

5.10 CASE STUDIES

5.10.1 EATON LAUNCHED COMPACT COMBO VALVE FOR FUEL TANKS

5.10.2 TLX TECHNOLOGIES DEVELOPED CUSTOMIZED COMPACT LATCHING SOLENOID

5.10.3 BORGWARNER INC. LAUNCHED SMART INTEGRAL MAGNETIC SWITCH (IMS) FOR ON/OFF-HIGHWAY COMMERCIAL VEHICLES

5.11 TRADE ANALYSIS

5.11.1 IMPORT SCENARIO OF AUTOMOTIVE VALVES

FIGURE 42 IMPORTS OF AUTOMOTIVE VALVES, BY KEY COUNTRY (2017–2021) (USD MILLION)

TABLE 16 IMPORT TRADE DATA, BY KEY COUNTRY, 2021 (USD MILLION)

5.11.2 EXPORT SCENARIO OF AUTOMOTIVE VALVES

FIGURE 43 EXPORTS OF AUTOMOTIVE VALVES MARKET, BY KEY COUNTRY (2017–2021) (USD MILLION)

TABLE 17 EXPORT TRADE DATA, BY KEY COUNTRY, 2021 (USD MILLION)

5.12 REGULATORY LANDSCAPE

5.12.1 REGULATORY LANDSCAPE FOR AUTOMOTIVE EMISSIONS

TABLE 18 REGULATIONS FOR AUTOMOTIVE EMISSIONS

5.12.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 19 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 20 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 21 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 22 REST OF THE WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.13 PRICING ANALYSIS

FIGURE 44 AVERAGE PRICING OF AUTOMOTIVE VALVES IN ASIA PACIFIC, 2022 AND 2027

FIGURE 45 AVERAGE PRICING OF AUTOMOTIVE VALVES IN EUROPE, 2022 AND

2027

FIGURE 46 AVERAGE PRICING OF AUTOMOTIVE VALVES IN NORTH AMERICA, 2022 AND 2027

FIGURE 47 AVERAGE PRICING OF AUTOMOTIVE VALVES IN REST OF THE WORLD, 2022 AND 2027

5.14 MACROECONOMIC INDICATORS

5.14.1 GDP TRENDS AND FORECAST FOR MAJOR ECONOMIES

TABLE 23 GDP TRENDS AND FORECAST, BY MAJOR ECONOMIES, 2018–2026 (USD BILLION)

5.14.2 WORLD MOTOR VEHICLE PRODUCTION STATISTICS IN 2021

TABLE 24 WORLD MOTOR VEHICLE PRODUCTION STATISTICS IN 2021 (THOUSAND UNITS)

5.15 AUTOMOTIVE VALVES MARKET, SCENARIOS (2022–2027)

FIGURE 48 AUTOMOTIVE VALVES MARKET– FUTURE TRENDS & SCENARIOS, 2022–2027 (USD MILLION)

5.15.1 MOST LIKELY SCENARIO

TABLE 25 AUTOMOTIVE VALVES MARKET (MOST LIKELY), BY REGION, 2022–2027 (USD MILLION)

5.15.2 OPTIMISTIC SCENARIO

TABLE 26 AUTOMOTIVE VALVES MARKET (OPTIMISTIC SCENARIO), BY REGION, 2022–2027 (USD MILLION)

5.15.3 PESSIMISTIC SCENARIO

TABLE 27 AUTOMOTIVE VALVES MARKET (PESSIMISTIC), BY REGION, 2022–2027 (USD MILLION)

5.16 AUTOMOTIVE VALVES MARKET: TRENDS/DISRUPTIONS IMPACTING BUYERS

FIGURE 49 REVENUE SHIFT DRIVING MARKET GROWTH

6 AUTOMOTIVE VALVES MARKET, BY PROPULSION AND COMPONENT

6.1 INTRODUCTION

FIGURE 50 ICE TO HOLD LARGER MARKET SHARE IN TERMS OF VALUE, 2022–2027

TABLE 28 GLOBAL AUTOMOTIVE VALVES MARKET, BY PROPULSION, 2018–2021 (MILLION UNITS)

TABLE 29 GLOBAL AUTOMOTIVE VALVES MARKET, BY PROPULSION, 2022–2027 (MILLION UNITS)

TABLE 30 GLOBAL AUTOMOTIVE VALVES MARKET, BY PROPULSION, 2018–2021 (USD MILLION)

TABLE 31 GLOBAL AUTOMOTIVE VALVES MARKET, BY PROPULSION, 2022–2027
(USD MILLION)

6.1.1 OPERATIONAL DATA

TABLE 32 MOTOR VEHICLE SALES, BY VEHICLE TYPE (THOUSAND UNITS)

6.1.2 ASSUMPTIONS

TABLE 33 ASSUMPTIONS: BY PROPULSION TYPE AND COMPONENT

6.1.3 RESEARCH METHODOLOGY

6.2 ICE

6.2.1 REVIVAL OF ICE VEHICLE PRODUCTION TO BOOST SEGMENT

TABLE 34 GLOBAL AUTOMOTIVE VALVES MARKET, BY COMPONENT, 2018–2021
(MILLION UNITS)

TABLE 35 GLOBAL AUTOMOTIVE VALVES MARKET, BY COMPONENT, 2022–2027
(MILLION UNITS)

TABLE 36 GLOBAL AUTOMOTIVE VALVES MARKET, BY COMPONENT, 2018–2021
(USD MILLION)

TABLE 37 GLOBAL AUTOMOTIVE VALVES MARKET, BY COMPONENT, 2022–2027
(USD MILLION)

6.2.2 ENGINE (INLET AND OUTLET) VALVES

6.2.3 A/C VALVES

6.2.4 BRAKE COMBINATION VALVES

6.2.5 THERMOSTAT VALVES

6.2.6 FUEL SYSTEM VALVES

6.2.7 SOLENOID VALVES

6.2.8 EXHAUST GAS RECIRCULATION (EGR) VALVES

6.2.9 TIRE VALVES

6.2.10 SELECTIVE CATALYST REDUCTION (SCR) VALVES

6.2.11 AUTOMATIC TRANSMISSION (AT) CONTROL VALVES

6.3 ELECTRIC VEHICLES (BEV, PHEV, AND HEV)

6.3.1 GROWING ADOPTION OF ELECTRIC VEHICLES WORLDWIDE TO DRIVE
SEGMENT

TABLE 38 GLOBAL ELECTRIC VEHICLE VALVES MARKET, BY COMPONENT,
2018–2021 (MILLION UNITS)

TABLE 39 GLOBAL ELECTRIC VEHICLE VALVES MARKET, BY COMPONENT,
2022–2027 (MILLION UNITS)

TABLE 40 GLOBAL ELECTRIC VEHICLE VALVES MARKET, BY COMPONENT,
2018–2021 (USD MILLION)

TABLE 41 GLOBAL ELECTRIC VEHICLE VALVES MARKET, BY COMPONENT,
2022–2027 (USD MILLION)

6.3.2 ENGINE (INLET AND OUTLET) VALVES

- 6.3.3 A/C VALVES
- 6.3.4 BRAKE COMBINATION VALVES
- 6.3.5 THERMOSTAT VALVES
- 6.3.6 FUEL SYSTEM VALVES
- 6.3.7 SOLENOID VALVES
- 6.3.8 EXHAUST GAS RECIRCULATION (EGR) VALVES
- 6.3.9 TIRE VALVES
- 6.3.10 SELECTIVE CATALYST REDUCTION (SCR) VALVES
- 6.3.11 AUTOMATIC TRANSMISSION (AT) CONTROL VALVES
- 6.3.12 BATTERY & COOLING SYSTEM VALVES
- 6.4 KEY PRIMARY INSIGHTS

7 AUTOMOTIVE VALVES MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 51 HVAC SEGMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 42 GLOBAL AUTOMOTIVE VALVES MARKET, BY APPLICATION, 2018–2021 (MILLION UNITS)

TABLE 43 GLOBAL AUTOMOTIVE VALVES MARKET, BY APPLICATION, 2022–2027 (MILLION UNITS)

TABLE 44 GLOBAL AUTOMOTIVE VALVES MARKET, BY APPLICATION, 2018–2021 (USD MILLION)

TABLE 45 GLOBAL AUTOMOTIVE VALVES MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

7.1.1 OPERATIONAL DATA

7.1.2 ASSUMPTIONS

TABLE 46 ASSUMPTIONS: BY APPLICATION

7.1.3 RESEARCH METHODOLOGY

7.2 ENGINE SYSTEMS

7.2.1 STEADY INCREASE IN ICE VEHICLE PRODUCTION TO SUPPORT MARKET GROWTH

TABLE 47 ENGINE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 48 ENGINE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 49 ENGINE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 50 ENGINE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION,

2022–2027 (USD MILLION)

7.3 HVAC SYSTEMS

7.3.1 HIGH PENETRATION AIR CONDITIONING SYSTEMS TO ENSURE CONSISTENT DEMAND

TABLE 51 HVAC SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 52 HVAC SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 53 HVAC SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 54 HVAC SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

7.4 BRAKE SYSTEMS

7.4.1 GROWING PENETRATION OF SAFER BRAKE SYSTEMS TO DRIVE SEGMENT

TABLE 55 BRAKE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 56 BRAKE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 57 BRAKE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 58 BRAKE SYSTEMS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

7.5 OTHER VALVES (TIRE, SAFETY, SCR SYSTEM, BODY)

7.5.1 DEMAND FOR SAFETY SYSTEMS TO DRIVE MARKET

TABLE 59 OTHER VALVES (TIRE, SAFETY, SCR SYSTEM, BODY): AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 60 OTHER VALVES (TIRE, SAFETY, SCR SYSTEM, BODY): AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 61 OTHER VALVES (TIRE, SAFETY, SCR SYSTEM, BODY): AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 62 OTHER VALVES (TIRE, SAFETY, SCR SYSTEM, BODY): AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

7.6 KEY PRIMARY INSIGHTS

8 AUTOMOTIVE VALVES MARKET, BY FUNCTION

8.1 INTRODUCTION

FIGURE 52 MECHANICAL VALVE SEGMENT TO HOLD LARGEST MARKET SHARE,

Automotive Valves Market by Propulsion and Component (ICE, EV), Vehicle Type (Passenger Cars, LCV, Trucks, and...

BY 2027 (USD MILLION)

TABLE 63 AUTOMOTIVE VALVES MARKET, BY FUNCTION, 2018–2021 (MILLION UNITS)

TABLE 64 AUTOMOTIVE VALVES MARKET, BY FUNCTION, 2022–2027 (MILLION UNITS)

TABLE 65 AUTOMOTIVE VALVES MARKET, BY FUNCTION, 2018–2021 (USD MILLION)

TABLE 66 AUTOMOTIVE VALVES MARKET, BY FUNCTION, 2022–2027 (USD MILLION)

8.1.1 OPERATIONAL DATA

8.1.2 ASSUMPTIONS

TABLE 67 ASSUMPTIONS: BY FUNCTION

8.1.3 RESEARCH METHODOLOGY

8.2 ELECTRIC

8.2.1 DEMAND FOR QUICK RESPONSIVE VALVES TO DRIVE MARKET

TABLE 68 ELECTRIC VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 69 ELECTRIC VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 70 ELECTRIC VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 71 ELECTRIC VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

8.3 HYDRAULIC

8.3.1 CONTROLS LIQUID FLOW

TABLE 72 HYDRAULIC VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 73 HYDRAULIC VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 74 HYDRAULIC VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 75 HYDRAULIC VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

8.4 PNEUMATIC

8.4.1 ASIA PACIFIC TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 76 PNEUMATIC VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 77 PNEUMATIC VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 78 PNEUMATIC VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 79 PNEUMATIC VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

8.5 MECHANICAL

8.5.1 RISE IN DEMAND FOR ICE VEHICLES TO ASSIST GROWTH OF MECHANICAL VALVES

TABLE 80 MECHANICAL VALVES MARKET, BY REGION, 2018–2021 (MILLION

UNITS)

TABLE 81 MECHANICAL VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 82 MECHANICAL VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 83 MECHANICAL VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

8.6 OTHERS (THERMAL AND PILOT OPERATED)

8.6.1 DEMAND FOR COMFORTABLE DRIVING TO LEAD SEGMENT

TABLE 84 OTHER VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 85 OTHER VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 86 OTHER VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 87 OTHER VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

8.7 KEY PRIMARY INSIGHTS

9 AUTOMOTIVE VALVES MARKET, BY ELECTRIC VEHICLE TYPE

9.1 INTRODUCTION

FIGURE 53 HEV SEGMENT TO HOLD LARGEST MARKET SHARE BY 2027 (USD MILLION)

TABLE 88 GLOBAL AUTOMOTIVE VALVES MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 89 GLOBAL AUTOMOTIVE VALVES MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 90 GLOBAL AUTOMOTIVE VALVES MARKET, BY ELECTRIC VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 91 GLOBAL AUTOMOTIVE VALVES MARKET, BY ELECTRIC VEHICLE TYPE, 2022–2027 (USD MILLION)

9.1.1 OPERATIONAL DATA

TABLE 92 ELECTRIC VEHICLE SALES, BY PROPULSION TYPE, 2018–2021 (MILLION UNITS)

9.1.2 ASSUMPTIONS

TABLE 93 ASSUMPTIONS: BY ELECTRIC VEHICLE TYPE

9.1.3 RESEARCH METHODOLOGY

9.2 BATTERY ELECTRIC VEHICLES (BEVS)

9.2.1 HIGH BEV SALES IN CHINA TO DRIVE SEGMENT GROWTH

TABLE 94 BATTERY ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 95 BATTERY ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 96 BATTERY ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY

REGION, 2018–2021 (USD MILLION)

TABLE 97 BATTERY ELECTRIC VEHICLE: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

9.3 PLUG-IN HYBRID ELECTRIC VEHICLES (PHEVS)

9.3.1 TAX BENEFITS AND INCENTIVES FROM GOVERNMENTS TO BENEFIT SEGMENT

TABLE 98 PHEVS LAUNCHED BY VARIOUS OEMS

TABLE 99 PLUG-IN HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 100 PLUG-IN HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 101 PLUG-IN HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 102 PLUG-IN HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

9.4 HYBRID ELECTRIC VEHICLES (HEVS)

9.4.1 HIGH HEV SALES FROM JAPAN AND US TO SUPPORT SEGMENT GROWTH

TABLE 103 HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 104 HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 105 HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 106 HYBRID ELECTRIC VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

9.5 KEY PRIMARY INSIGHTS

10 AUTOMOTIVE VALVES MARKET, BY VEHICLE TYPE

10.1 INTRODUCTION

FIGURE 54 PASSENGER CAR TO HOLD LARGEST MARKET SHARE, BY VALUE, 2022 VS. 2027

TABLE 107 GLOBAL AUTOMOTIVE VALVES MARKET, BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 108 GLOBAL AUTOMOTIVE VALVES MARKET, BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 109 GLOBAL AUTOMOTIVE VALVES MARKET, BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 110 GLOBAL AUTOMOTIVE VALVES MARKET, BY VEHICLE TYPE, 2022–2027 (USD MILLION)

10.1.1 OPERATIONAL DATA

TABLE 111 GLOBAL PASSENGER CARS AND COMMERCIAL VEHICLES PRODUCTION DATA, 2021 (MILLION UNITS)

10.1.2 ASSUMPTIONS

TABLE 112 ASSUMPTIONS: BY VEHICLE TYPE

10.1.3 RESEARCH METHODOLOGY

10.2 PASSENGER CARS

10.2.1 GROWING DEMAND FOR PREMIUM VEHICLES TO DRIVE SEGMENT GROWTH

TABLE 113 PASSENGER CARS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 114 PASSENGER CARS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 115 PASSENGER CARS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 116 PASSENGER CARS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

10.3 LIGHT COMMERCIAL VEHICLES (LCVS)

10.3.1 NORTH AMERICA TO DOMINATE LCVS SEGMENT

TABLE 117 LIGHT COMMERCIAL VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 118 LIGHT COMMERCIAL VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 119 LIGHT COMMERCIAL VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 120 LIGHT COMMERCIAL VEHICLES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD MILLION)

10.4 TRUCKS

10.4.1 HIGH DEPENDENCE ON LONG-HAUL ROAD TRANSPORTATION TO FUEL SEGMENT GROWTH

FIGURE 55 US SHIPMENT OF GOODS

TABLE 121 TRUCKS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (MILLION UNITS)

TABLE 122 TRUCKS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (MILLION UNITS)

TABLE 123 TRUCKS: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 124 TRUCKS: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027
(USD MILLION)

10.5 BUSES

10.5.1 HIGH DEPENDENCE OF PEOPLE ON PUBLIC TRANSPORT TO AID
SEGMENT GROWTH

TABLE 125 BUSES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021
(MILLION UNITS)

TABLE 126 BUSES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027
(MILLION UNITS)

TABLE 127 BUSES: AUTOMOTIVE VALVES MARKET, BY REGION, 2018–2021 (USD
MILLION)

TABLE 128 BUSES: AUTOMOTIVE VALVES MARKET, BY REGION, 2022–2027 (USD
MILLION)

10.6 KEY PRIMARY INSIGHTS

11 AUTOMOTIVE VALVES MARKET, ENGINE VALVE TYPE

11.1 INTRODUCTION

FIGURE 56 MONOMETALLIC VALVES TO HOLD LARGEST MARKET SHARE IN
TERMS OF VALUE, 2022–2027

TABLE 129 AUTOMOTIVE VALVES MARKET, BY ENGINE VALVE TYPE, 2018–2021
(MILLION UNITS)

TABLE 130 AUTOMOTIVE VALVES MARKET, BY ENGINE VALVE TYPE, 2022–2027
(MILLION UNITS)

TABLE 131 AUTOMOTIVE VALVES MARKET, ENGINE VALVE TYPE, 2018–2021
(USD MILLION)

TABLE 132 AUTOMOTIVE VALVES MARKET, ENGINE VALVE TYPE, 2022–2027
(USD MILLION)

11.1.1 ASSUMPTIONS

TABLE 133 ASSUMPTIONS: BY ENGINE VALVE TYPE

11.1.2 RESEARCH METHODOLOGY

11.2 MONOMETALLIC

11.3 BIMETALLIC

11.4 HOLLOW

11.5 KEY PRIMARY INSIGHTS

12 AUTOMOTIVE VALVES MARKET, BY REGION

12.1 INTRODUCTION

FIGURE 57 AUTOMOTIVE VALVES MARKET (ICE), BY REGION, 2022 VS. 2027

TABLE 134 AUTOMOTIVE VALVES MARKET (ICE), BY REGION, 2018–2021
(MILLION UNITS)

TABLE 135 AUTOMOTIVE VALVES MARKET (ICE), BY REGION, 2022–2027
(MILLION UNITS)

TABLE 136 AUTOMOTIVE VALVES MARKET (ICE), BY REGION, 2018–2021 (USD
MILLION)

TABLE 137 AUTOMOTIVE VALVES MARKET (ICE), BY REGION, 2022–2027 (USD
MILLION)

12.2 ASIA PACIFIC

FIGURE 58 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET SNAPSHOT

TABLE 138 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE
+ EV), 2018–2021 (USD MILLION)

TABLE 139 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE
+ EV), 2022–2027 (USD MILLION)

TABLE 140 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET, BY COMPONENT
(ICE), 2018–2021 (MILLION UNITS)

TABLE 141 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET, BY COMPONENT
(ICE), 2022–2027 (MILLION UNITS)

TABLE 142 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET, BY COMPONENT
(ICE), 2018–2021 (USD MILLION)

TABLE 143 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET, BY COMPONENT
(ICE), 2022–2027 (USD MILLION)

TABLE 144 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY,
2018–2021 (MILLION UNITS)

TABLE 145 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY,
2022–2027 (MILLION UNITS)

TABLE 146 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY,
2018–2021 (USD MILLION)

TABLE 147 ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY,
2022–2027 (USD MILLION)

12.2.1 CHINA

12.2.1.1 Growing passenger vehicle demand to drive market

TABLE 148 CHINA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE,
2018–2021 (MILLION UNITS)

TABLE 149 CHINA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE,
2022–2027 (MILLION UNITS)

TABLE 150 CHINA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE,
2018–2021 (USD MILLION)

TABLE 151 CHINA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.2.2 INDIA

12.2.2.1 Growth in vehicle sales across categories to drive market

TABLE 152 INDIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 153 INDIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 154 INDIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 155 INDIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.2.3 JAPAN

12.2.3.1 Presence of major automobile manufacturers to fuel market

TABLE 156 JAPAN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 157 JAPAN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 158 JAPAN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 159 JAPAN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.2.4 SOUTH KOREA

12.2.4.1 Increasing demand for passenger cars to drive market

TABLE 160 SOUTH KOREA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 161 SOUTH KOREA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 162 SOUTH KOREA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 163 SOUTH KOREA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.2.5 REST OF ASIA PACIFIC

TABLE 164 REST OF ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 165 REST OF ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 166 REST OF ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 167 REST OF ASIA PACIFIC: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.3 EUROPE

FIGURE 59 EUROPE: AUTOMOTIVE VALVES MARKET, BY COUNTRY

TABLE 168 EUROPE: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE + EV), 2018–2021 (USD MILLION)

TABLE 169 EUROPE: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE + EV), 2022–2027 (USD MILLION)

TABLE 170 EUROPE: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2018–2021 (MILLION UNITS)

TABLE 171 EUROPE: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2022–2027 (MILLION UNITS)

TABLE 172 EUROPE: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 173 EUROPE: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 174 EUROPE: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 175 EUROPE: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 176 EUROPE: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 177 EUROPE: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.3.1 FRANCE

12.3.1.1 High production of passenger cars and LCVs to drive market

TABLE 178 FRANCE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 179 FRANCE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 180 FRANCE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 181 FRANCE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.3.2 GERMANY

12.3.2.1 Emission norms and shift toward BEVs and PHEVs to drive market

TABLE 182 GERMANY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 183 GERMANY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE,

2022–2027 (MILLION UNITS)

TABLE 184 GERMANY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 185 GERMANY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.3.3 ITALY

12.3.3.1 Growth in automotive production to drive market

TABLE 186 ITALY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 187 ITALY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 188 ITALY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 189 ITALY: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.3.4 SPAIN

12.3.4.1 Demand for heavy trucks to positively impact market

TABLE 190 SPAIN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 191 SPAIN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 192 SPAIN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 193 SPAIN: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.3.5 UK

12.3.5.1 Demand for premium passenger cars to drive market

TABLE 194 UK: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 195 UK: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 196 UK: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 197 UK: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.3.6 REST OF EUROPE

TABLE 198 REST OF EUROPE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 199 REST OF EUROPE: AUTOMOTIVE VALVES MARKET (ICE), BY

VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 200 REST OF EUROPE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 201 REST OF EUROPE: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

FIGURE 60 TURKEY AUTOMOTIVE INDUSTRY SNAPSHOT

12.4 NORTH AMERICA

FIGURE 61 NORTH AMERICA: AUTOMOTIVE VALVES MARKET SNAPSHOT

TABLE 202 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE + EV), 2018–2021 (USD MILLION)

TABLE 203 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE + EV), 2022–2027 (USD MILLION)

TABLE 204 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2018–2021 (MILLION UNITS)

TABLE 205 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2022–2027 (MILLION UNITS)

TABLE 206 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 207 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 208 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 209 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 210 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 211 NORTH AMERICA: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.4.1 CANADA

12.4.1.1 Emission regulations to drive market

TABLE 212 CANADA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 213 CANADA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 214 CANADA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 215 CANADA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.4.2 MEXICO

12.4.2.1 Steady growth in automotive and auto parts production in Mexico to support market growth

TABLE 216 MEXICO: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 217 MEXICO: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 218 MEXICO: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 219 MEXICO: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.4.3 US

12.4.3.1 Strong LCV production drives market growth

TABLE 220 US: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 221 US: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 222 US: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 223 US: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.5 REST OF THE WORLD

FIGURE 62 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET, BY COUNTRY, 2022 VS. 2027 (USD MILLION)

TABLE 224 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2018–2021 (MILLION UNITS)

TABLE 225 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2022–2027 (MILLION UNITS)

TABLE 226 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2018–2021 (USD MILLION)

TABLE 227 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET, BY COMPONENT (ICE), 2022–2027 (USD MILLION)

TABLE 228 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY, 2018–2021 (MILLION UNITS)

TABLE 229 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY, 2022–2027 (MILLION UNITS)

TABLE 230 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 231 REST OF THE WORLD: AUTOMOTIVE VALVES MARKET (ICE), BY COUNTRY, 2022–2027 (USD MILLION)

12.5.1 BRAZIL

12.5.1.1 Robust demand for passenger cars and LCVs to drive market

TABLE 232 BRAZIL: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 233 BRAZIL: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 234 BRAZIL: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 235 BRAZIL: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.5.2 RUSSIA

12.5.2.1 Decline in vehicle production and heavy economic sanctions to hamper market

TABLE 236 RUSSIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 237 RUSSIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 238 RUSSIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 239 RUSSIA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.5.3 SOUTH AFRICA

12.5.3.1 Presence of key OEMs and demand for passenger cars drive market

TABLE 240 SOUTH AFRICA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 241 SOUTH AFRICA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 242 SOUTH AFRICA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 243 SOUTH AFRICA: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (USD MILLION)

12.5.4 OTHERS

TABLE 244 OTHERS: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (MILLION UNITS)

TABLE 245 OTHERS: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2022–2027 (MILLION UNITS)

TABLE 246 OTHERS: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE, 2018–2021 (USD MILLION)

TABLE 247 OTHERS: AUTOMOTIVE VALVES MARKET (ICE), BY VEHICLE TYPE,

2022–2027 (USD MILLION)

13 COMPETITIVE LANDSCAPE

13.1 OVERVIEW

13.2 REVENUE ANALYSIS OF TOP PLAYERS

FIGURE 63 TOP PUBLIC/LISTED PLAYERS DOMINATING AUTOMOTIVE VALVES MARKET DURING LAST FIVE YEARS

13.3 MARKET RANKING ANALYSIS, 2021

FIGURE 64 AUTOMOTIVE VALVES MARKET: MARKET RANKING ANALYSIS

13.3.1 BORGWARNER INC.

13.3.2 ROBERT BOSCH GMBH

13.3.3 CONTINENTAL AG

13.3.4 AISIN CORPORATION

13.3.5 DENSO CORPORATION

13.4 COMPETITIVE LEADERSHIP MAPPING OF AUTOMOTIVE VALVES MARKET, 2021

13.4.1 STARS

13.4.2 PERVASIVE PLAYERS

13.4.3 EMERGING COMPANIES

13.4.4 PARTICIPANTS

FIGURE 65 AUTOMOTIVE VALVES MARKET: COMPANY EVALUATION MATRIX, 2021

13.5 COMPANY EVALUATION QUADRANT

TABLE 248 REGION FOOTPRINT (27 COMPANIES)

TABLE 249 VEHICLE TYPE FOOTPRINT (27 COMPANIES)

TABLE 250 APPLICATION AND GEOGRAPHIC FOOTPRINT

13.6 SME EVALUATION MATRIX, 2021

FIGURE 66 AUTOMOTIVE VALVES MARKET: COMPETITIVE LEADERSHIP MAPPING FOR SME, 2021

13.7 COMPETITIVE SCENARIO AND TRENDS

13.7.1 PRODUCT LAUNCHES

TABLE 251 AUTOMOTIVE VALVES MARKET: PRODUCT LAUNCHES, 2019–2022

13.7.2 DEALS

TABLE 252 AUTOMOTIVE VALVES MARKET: DEALS, 2019–2022

13.7.3 OTHERS

TABLE 253 AUTOMOTIVE VALVES MARKET: OTHERS, 2019–2022

14 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, MNM view)*

14.1 KEY PLAYERS

14.1.1 CONTINENTAL AG

TABLE 254 CONTINENTAL AG: BUSINESS OVERVIEW

FIGURE 67 CONTINENTAL AG: COMPANY SNAPSHOT

FIGURE 68 CONTINENTAL AG: BUSINESS SEGMENTS

FIGURE 69 CONTINENTAL AG: BUSINESS EXPECTATIONS FROM 2022

TABLE 255 CONTINENTAL AG: MAJOR CUSTOMERS

TABLE 256 CONTINENTAL AG: PRODUCTS OFFERED

TABLE 257 CONTINENTAL AG: NEW PRODUCT DEVELOPMENTS

TABLE 258 CONTINENTAL AG: DEALS

TABLE 259 CONTINENTAL AG: OTHERS

14.1.2 DENSO CORPORATION

TABLE 260 DENSO CORPORATION: BUSINESS OVERVIEW

FIGURE 70 DENSO CORPORATION: COMPANY SNAPSHOT

TABLE 261 DENSO CORPORATION: KEY CUSTOMERS

FIGURE 71 DENSO CORPORATION: SALES PERCENTAGES OF CUSTOMERS

FIGURE 72 DENSO CORPORATION: SHAREHOLDERS (2020)

TABLE 262 DENSO CORPORATION: PRODUCTS OFFERED

TABLE 263 DENSO CORPORATION: DEALS

TABLE 264 DENSO CORPORATION: OTHERS

14.1.3 ROBERT BOSCH GMBH

TABLE 265 ROBERT BOSCH GMBH: BUSINESS OVERVIEW

FIGURE 73 ROBERT BOSCH GMBH: COMPANY SNAPSHOT

TABLE 266 ROBERT BOSCH GMBH: PRODUCTS OFFERED

TABLE 267 ROBERT BOSCH GMBH: MAJOR CUSTOMERS

TABLE 268 ROBERT BOSCH GMBH: NEW PRODUCT DEVELOPMENTS

TABLE 269 ROBERT BOSCH GMBH: DEALS

TABLE 270 ROBERT BOSCH GMBH: OTHERS

14.1.4 BORGWARNER INC.

TABLE 271 BORGWARNER INC.: BUSINESS OVERVIEW

FIGURE 74 BORGWARNER INC.: COMPANY SNAPSHOT

TABLE 272 BORGWARNER INC.: PRODUCTS OFFERED

TABLE 273 BORGWARNER INC.: MAJOR CUSTOMERS

TABLE 274 BORGWARNER INC.: NEW PRODUCT DEVELOPMENTS

TABLE 275 BORGWARNER INC.: DEALS

TABLE 276 BORGWARNER INC.: OTHERS

14.1.5 VALEO

TABLE 277 VALEO: BUSINESS OVERVIEW

FIGURE 75 VALEO: COMPANY SNAPSHOT

TABLE 278 VALEO: KEY CUSTOMERS

TABLE 279 VALEO: BUSINESS GROUPS WITH MAJOR COMPETITORS

TABLE 280 VALEO: PRODUCT OFFERINGS

TABLE 281 VALEO: DEALS

TABLE 282 VALEO: OTHERS

14.1.6 HITACHI

TABLE 283 HITACHI AUTOMOTIVE: BUSINESS OVERVIEW

FIGURE 76 HITACHI: COMPANY SNAPSHOT

TABLE 284 HITACHI: PRODUCTS OFFERED

TABLE 285 HITACHI: DEALS

14.1.7 AISIN CORPORATION

TABLE 286 AISIN CORPORATION: BUSINESS OVERVIEW

FIGURE 77 AISIN CORPORATION: COMPANY SNAPSHOT

TABLE 287 AISIN CORPORATION: PRODUCTS OFFERED

TABLE 288 MAJOR CUSTOMERS

TABLE 289 AISIN CORPORATION: DEALS

TABLE 290 AISIN CORPORATION: OTHERS

14.1.8 CUMMINS INC.

TABLE 291 CUMMINS INC.: BUSINESS OVERVIEW

FIGURE 78 CUMMINS INC.: COMPANY SNAPSHOT

TABLE 292 CUMMINS INC.: MAJOR CUSTOMERS

TABLE 293 CUMMINS INC.: PRODUCTS OFFERED

TABLE 294 CUMMINS INC.: DEALS

14.1.9 TENNECO INC.

TABLE 295 TENNECO INC.: BUSINESS OVERVIEW

FIGURE 79 TENNECO INC.: COMPANY SNAPSHOT

TABLE 296 TENNECO INC.: PRODUCTS OFFERED

TABLE 297 TENNECO INC.: NEW PRODUCT DEVELOPMENTS

14.1.10 EATON CORPORATION PLC

TABLE 298 EATON CORPORATION PLC: BUSINESS OVERVIEW

FIGURE 80 EATON CORPORATION PLC: COMPANY SNAPSHOT

TABLE 299 EATON CORPORATION PLC: MAJOR CUSTOMERS

TABLE 300 EATON CORPORATION PLC: PRODUCTS OFFERED

TABLE 301 EATON CORPORATION PLC: DEALS

14.1.11 JOHNSON ELECTRIC HOLDINGS LIMITED

TABLE 302 JOHNSON ELECTRIC HOLDINGS LIMITED: BUSINESS OVERVIEW

FIGURE 81 JOHNSON ELECTRIC HOLDINGS LIMITED: COMPANY SNAPSHOT

TABLE 303 JOHNSON ELECTRIC HOLDINGS LIMITED: PRODUCTS OFFERED

TABLE 304 JOHNSON ELECTRIC HOLDINGS LIMITED: MAJOR CUSTOMERS

14.2 OTHER KEY PLAYERS

14.2.1 STONERIDGE, INC.

TABLE 305 STONERIDGE, INC.: BUSINESS OVERVIEW

14.2.2 GKN GROUP

TABLE 306 GKN GROUP: BUSINESS OVERVIEW

14.2.3 MITSUBISHI ELECTRIC CORPORATION

TABLE 307 MITSUBISHI ELECTRIC CORPORATION: BUSINESS OVERVIEW

14.2.4 TLX TECHNOLOGIES

TABLE 308 TLX TECHNOLOGIES: BUSINESS OVERVIEW

14.2.5 ROTEX AUTOMATION

TABLE 309 ROTEX AUTOMATION: BUSINESS OVERVIEW

14.2.6 GIDEON AUTOMOTIVE INDUSTRIES

TABLE 310 GIDEON AUTOMOTIVE INDUSTRIES: BUSINESS OVERVIEW

14.2.7 SOLENOID SYSTEMS

TABLE 311 SOLENOID SYSTEMS: BUSINESS OVERVIEW

14.2.8 KENDRION

TABLE 312 KENDRION: BUSINESS OVERVIEW

14.2.9 MZW MOTOR

TABLE 313 MZW MOTOR: BUSINESS OVERVIEW

14.2.10 BICOLEX

TABLE 314 BICOLEX: BUSINESS OVERVIEW

14.2.11 ZONHEN ELECTRIC APPLIANCES

TABLE 315 ZONHEN ELECTRIC APPLIANCES: BUSINESS OVERVIEW

14.2.12 PADMINI VNA MECHATRONICS

TABLE 316 PADMINI VNA MECHATRONICS: BUSINESS OVERVIEW

14.2.13 JAKSA

TABLE 317 JAKSA: BUSINESS OVERVIEW

14.2.14 EMERSON ELECTRIC

TABLE 318 EMERSON ELECTRIC: BUSINESS OVERVIEW

14.2.15 MAHLE GMBH

TABLE 319 MAHLE GMBH: BUSINESS OVERVIEW

14.2.16 AISAN INDUSTRY CO., LTD.

TABLE 320 AISAN INDUSTRY CO., LTD.: BUSINESS OVERVIEW

*Details on Business overview, Products offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

15 RECOMMENDATIONS BY MARKET SAND MARKETS

15.1 CHINA AND INDIA TO BE PROMISING MARKETS FOR MANUFACTURERS
IN COMING YEARS

15.2 BEV TO EMERGE AS FASTEST-GROWING SEGMENT

15.3 BATTERY AND COOLING SYSTEM VALVES TO EMERGE AS PROMISING
SEGMENTS DURING FORECAST PERIOD

15.4 CONCLUSION

16 APPENDIX

16.1 KEY INSIGHTS FROM INDUSTRY EXPERTS

16.2 DISCUSSION GUIDE

16.3 KNOWLEDGESTORE: MARKETSDANDMARKETS SUBSCRIPTION PORTAL

16.4 CUSTOMIZATION OPTIONS

16.5 RELATED REPORTS

16.6 AUTHOR DETAILS

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