

# **Diesel Particulate Filter Market for On-Highway Vehicle by Substrate (Cordierite, Silicon Carbide), Regeneration Catalyst, Vehicle Type, Aftermarket, Off-highway Equipment Regeneration Process, Equipment Type, and Region - Global Forecast to 2025**

<https://marketpublishers.com/r/D2BB0F96702EN.html>

Date: July 2018

Pages: 146

Price: US\$ 5,650.00 (Single User License)

ID: D2BB0F96702EN

## **Abstracts**

“Increasing focus on emission regulation is expected to fuel the demand for diesel particulate filter”

The OE DPF market is projected to grow at a CAGR of 11.29% during the forecast period and is projected to reach a market size of USD 24.81 billion by 2025, from an estimated market size of USD 10.55 billion in 2018. The DPF aftermarket is projected to grow at a CAGR of 3.89% during the forecast period, from an estimated market size of USD 15.18 billion in 2018 to USD 20.59 billion by 2025. Major factors driving the growth of this market include the introduction of stringent emission regulations and increased demand for diesel engines in developing countries. However, a major restraint for the DPF market is the increasing demand for gasoline and hybrid propulsion light-duty vehicles in developed countries.

“Silicon Carbide to be the fastest growing substrate of the Diesel Particulate Filter market”

The growth of Silicon Carbide can be attributed to the increasing stringency of emission regulations in developing countries such as India and China. Silicon Carbide is mainly used in passenger cars and LCV. As the production of these vehicles is significantly higher than heavy-duty vehicles, the market for silicon carbide is projected to grow at a faster rate compared to other substrates.

“Passive regeneration process is expected to be the largest segment of Off-Highway Diesel Particulate Filter Market”

In case of passive regeneration, carbon moves through the exhaust and is trapped by the particulate filter. The filter begins to accumulate carbon and another residual. This continues until conditions become favorable or the required temperature is reached for the elements to combust off the filter surface internally. The heat for this regeneration comes from the thermal energy that occurs naturally with exhaust temperatures of typical diesel engines. The passive regeneration is expected to be the largest segment in the agriculture tractors segment of off-highway DPF market.

“Asia Pacific to be the largest and fastest growing market for diesel particulate filter”

The Asia Pacific region is estimated to dominate the diesel particulate filter market and is projected to be the largest and fastest growing market during the forecast period. The market growth in the region can be attributed to the upcoming emission regulations in India and China that are likely to be implemented by 2020. The diesel penetration is approximately 45% in light-duty vehicles and more than 95% in heavy-duty vehicles. The demand for DPF would increase significantly by 2020. The stringent emission regulations along with increasing diesel vehicle production make Asia Pacific the largest OE market for DPF during the forecast period.

The study contains insights provided by various industry experts. The break-up of the primaries is as follows:

By Company Type - Tier 1 – 35 %, Tier 2 – 45% and Tier 3 – 20%

By Designation – C level – 30%, Director level – 30%, Others – 40%

By Region – North America - 40%, Europe – 20%, APAC – 30%, RoW – 10%

The report provides detailed profiles of the following companies:

Faurecia (France)

Tenneco (US)

Eberspaecher (Germany)

BASF (Germany)

Johnson Matthey (US)

Continental (Germany)

Bosal (Belgium)

Denso (Japan)

Friedrich Boysen (Germany)

NGK Insulators (Japan)

## Research Coverage

Diesel Particulate Filter Market by Substrate Type (Cordierite, Silicon Carbide, Others), Regeneration Catalyst (Pt-Rh, Pd-Rh, Pt-Pd-Rh), On-Highway Vehicle Type (Passenger Car, LCV, Truck, Bus), Off-Highway by Regeneration process (Passive, Active-Fuel assisted, Active-Electrically assisted), Off-Highway Aftermarket By Equipment (Agriculture Tractors, Construction Equipment), On-Highway OE by Region (Americas, Asia Pacific, Europe, and RoW), & On-Highway Aftermarket by Region (Asia Pacific, Europe, North America, and RoW) - Global Trends and Forecast to 2025

## Reasons to Buy the Report:

The report provides insights with reference to the following points:

**Market Development:** The report provides comprehensive information about lucrative emerging markets. The report analyzes the markets for diesel particulate filter across regions.

**Product Development/Innovation:** The report offers detailed insights into R&D activities, upcoming technologies, and new product launches in the global diesel particulate filter market.

**Market Diversification:** The report provides detailed information about untapped

markets, investments, new products, and recent developments in the global diesel particulate filter market.

**Competitive Assessment:** The report provides an in-depth assessment of strategies, products, and manufacturing capabilities of leading players in the global diesel particulate filter market.

**Emission Regulation:** The report covers the present and future emission regulations across major countries in Asia Pacific, Europe, North America, the Middle East, and RoW.

**Aftermarket:** The report covers the diesel particulate filter aftermarket in the Asia Pacific, Europe, North America, and RoW.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 MARKETS COVERED
  - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 PACKAGE SIZE
- 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
- 2.2 SECONDARY DATA
  - 2.2.1 KEY SECONDARY SOURCES FOR VEHICLE PRODUCTION
  - 2.2.2 KEY SECONDARY SOURCES FOR MARKET SIZING
  - 2.2.3 KEY DATA FROM SECONDARY SOURCES
- 2.3 PRIMARY DATA
  - 2.3.1 SAMPLING TECHNIQUES & DATA COLLECTION METHODS
  - 2.3.2 PRIMARY PARTICIPANTS
- 2.4 MARKET SIZE ESTIMATION
  - 2.4.1 BOTTOM-UP APPROACH
- 2.5 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.6 ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 DIESEL PARTICULATE FILTER – GLOBAL MARKET TRENDS
- 4.2 DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE
- 4.3 DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE
- 4.4 DIESEL PARTICULATE FILTER MARKET, BY REGENERATION CATALYST
- 4.5 OFF-HIGHWAY DIESEL PARTICULATE FILTER MARKET, BY TYPE
- 4.6 OFF-HIGHWAY DIESEL PARTICULATE FILTER AFTERMARKET, BY

## EQUIPMENT TYPE

### 4.7 DIESEL PARTICULATE FILTER AFTERMARKET, BY COUNTRY

### 4.8 DIESEL PARTICULATE FILTER MARKET, BY REGION

## 5 MARKET OVERVIEW

### 5.1 INTRODUCTION

#### 5.1.1 DRIVERS

##### 5.1.1.1 Introduction of stringent emission regulations

###### 5.1.1.1.1 Emission regulation for On-Road vehicles

###### 5.1.1.1.2 Emission Regulation for Off-Road Vehicles

##### 5.1.1.2 Increased demand for diesel engines in developing regions

#### 5.1.2 RESTRAINTS

5.1.2.1 Shifting trend toward gasoline and hybrid propulsion in light duty vehicles in developed countries

#### 5.1.3 OPPORTUNITIES

##### 5.1.3.1 Increase in demand for other particulate filters

##### 5.1.3.2 Introduction of Active Regenerative Electronically Controlled DPF

#### 5.1.4 CHALLENGES

##### 5.1.4.1 Commercialization and Theft of DPF

###### 5.1.4.1.1 Commercialization of DPF and introduction of low cost DPFs variants

###### 5.1.4.1.2 DPF Theft

##### 5.1.4.2 Harmonization of emission standards

## 6 DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE

(Note: This chapter has been further segmented by vehicle type into Passenger Car, LCV, Truck and Bus)

### 6.1 INTRODUCTION

### 6.2 CORDIERITE

### 6.3 SILICON CARBIDE

### 6.4 OTHER SUBSTRATES

## 7 DIESEL PARTICULATE FILTER MARKET, BY REGENERATION CATALYST

(Note: This chapter has been further segmented by vehicle type into LDV and HDV)

### 7.1 INTRODUCTION

7.2 PLATINUM-RHODIUM (PT-RH)

7.3 PALLADIUM-RHODIUM(PD-RH)

7.4 PLATINUM-PALLADIUM-RHODIUM (PT-PD-RH)

## **8 DIESEL PARTICULATE FILTER MARKET, BY ON-HIGHWAY VEHICLE TYPE**

(Note: This chapter has been further segmented by substrate type into Cordierite, Silicon Carbide and Others)

8.1 INTRODUCTION

8.2 PASSENGER CAR

8.3 LIGHT COMMERCIAL VEHICLES (LCV)

8.4 TRUCK

8.5 BUS

## **9 ON-HIGHWAY DIESEL PARTICULATE FILTER MARKET, BY REGION**

(Note: This chapter has been further segmented by vehicle type into Passenger Car, LCV, Truck and Bus)

9.1 INTRODUCTION

9.2 AMERICAS

9.3 ASIA PACIFIC

9.4 EUROPE

9.5 ROW

## **10 OFF-HIGHWAY DIESEL PARTICULATE FILTER MARKET, BY REGENERATION PROCESS**

(Note: This chapter has been further segmented by equipment type into Construction equipment and Agriculture tractors)

10.1 INTRODUCTION

10.2 PASSIVE REGENERATION DPF

10.3 ACTIVE FUEL ASSISTED DPF

10.4 ACTIVE ELECTRICALLY ASSISTED DPF

## **11 OFF-HIGHWAY DIESEL PARTICULATE FILTER AFTERMARKET, BY EQUIPMENT**

(Note: This chapter has been further segmented by substrate type into Cordierite, Silicon Carbide and Others)

- 11.1 INTRODUCTION
- 11.2 CONSTRUCTION EQUIPMENT
- 11.3 AGRICULTURE TRACTORS

## **12 DIESEL PARTICULATE FILTER AFTERMARKET, BY REGION**

(Note: This chapter has been further segmented by vehicle type into Passenger Car, LCV, HCV)

- 12.1 INTRODUCTION
- 12.2 ASIA PACIFIC
  - 12.2.1 CHINA
  - 12.2.2 INDIA
  - 12.2.3 JAPAN
  - 12.2.4 SOUTH KOREA
  - 12.2.5 REST OF ASIA-PACIFIC
- 12.3 EUROPE
  - 12.3.1 FRANCE
  - 12.3.2 GERMANY
  - 12.3.3 ITALY
  - 12.3.4 SPAIN
  - 12.3.5 UK
  - 12.3.6 REST OF EUROPE
- 12.4 NORTH AMERICA
  - 12.4.1 CANADA
  - 12.4.2 MEXICO
  - 12.4.3 US
- 12.5 ROW
  - 12.5.1 BRAZIL
  - 12.5.2 RUSSIA

## **13 COMPETITIVE LANDSCAPE**

- 13.1 MARKET SHARE ANALYSIS
- 13.2 COMPETITIVE SCENARIO



- 13.2.1 NEW PRODUCT DEVELOPMENTS
- 13.2.2 EXPANSIONS
- 13.2.3 MERGERS & ACQUISITIONS
- 13.2.4 PARTNERSHIPS/AGREEMENTS/SUPPLY  
CONTRACTS/COLLABORATIONS/JOINT VENTURES

## **14 COMPANY PROFILE**

(Business Overview, Products, Key Insights, Recent Developments, SWOT Analysis)\*

- 14.1 FAURECIA
- 14.2 TENNECO
- 14.3 EBERSPAECHER
- 14.4 BASF
- 14.5 JOHNSON MATTHEY
- 14.6 CONTINENTAL
- 14.7 DENSO
- 14.8 FRIEDRICH BOYSEN
- 14.9 BOSAL
- 14.10 NGK INSULATORS
- 14.11 ADDITIONAL COMPANY PROFILES
  - 14.11.1 NORTH AMERICA
    - 14.11.1.1 CORNING
    - 14.11.1.2 CLEAN DIESEL TECHNOLOGIES
    - 14.11.1.3 RYPOS
    - 14.11.1.4 KATCON
  - 14.11.2 EUROPE
    - 14.11.2.1 UNICORE
  - 14.11.3 ASIA PACIFIC
    - 14.11.3.1 YUNGJIN
    - 14.11.3.2 YUTAKA GIKEN
    - 14.11.3.3 IBIDEN
    - 14.11.3.4 SANKEI GIKEN KOGYO

\*Details on Business Overview, Products, Key Insights, Recent Developments, SWOT Analysis, MnM View might not be captured in case of unlisted companies.

## **15 APPENDIX**

15.1 PRIMARY INSIGHTS

15.2 DISCUSSION GUIDE

15.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

15.4 AVAILABLE CUSTOMIZATIONS

15.4.1 ON-HIGHWAY DIESEL PARTICULATE FILTER MARKET BY COUNTRY, BY VEHICLE TYPE

15.4.1.1 Passenger Car

15.4.1.2 LCV

15.4.1.3 Truck

15.4.1.4 Bus

15.4.2 ON-HIGHWAY DIESEL PARTICULATE MARKET BY COUNTRY, BY SUBSTRATE TYPE

15.4.2.1 Cordierite

15.4.2.2 Silicon Carbide

15.4.2.3 Others

15.4.3 OFF-HIGHWAY DPF AFTERMARKET BY COUNTRY, BY EQUIPMENT TYPE

15.4.3.1 Agriculture Tractors

15.4.3.2 Construction Equipment

15.5 RELATED REPORTS

15.6 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 CURRENCY EXCHANGE RATES (W.R.T. USD)

Table 2 DIESEL PARTICULATE FILTER MARKET: MARKET DYNAMICS IMPACT

Table 3 ON-ROAD VEHICLE EMISSION REGULATION OUTLOOK FOR PASSENGER CARS, 2016–2021

Table 4 ENGINE TECHNOLOGY VS. AFTERTREATMENT REQUIREMENT

Table 5 COMMERCIAL VEHICLE PRODUCTION: DIESEL VEHICLE PENETRATION FOR KEY COUNTRIES, BY VEHICLE TYPE , 2017

Table 6 GOVERNMENT INCENTIVES FOR ELECTRIC VEHICLES

Table 7 AVERAGE COST OF DPF

Table 8 FAURECIA'S SUPPLIES TO GLOBAL AUTOMOTIVE MANUFACTURERS: EXHAUST SYSTEM AND COMPONENTS

Table 9 DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016–2025 ('000 UNITS)

Table 10 DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016–2025 (USD MILLION)

Table 11 CORDIERITE: SPECIFICATIONS

Table 12 CORDIERITE DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 13 CORDIERITE DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 14 SILICON CARBIDE: SPECIFICATIONS

Table 15 SILICON CARBIDE DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 16 SILICON CARBIDE DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 17 OTHER SUBSTRATES: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016–2025 ('000 UNITS)

Table 18 OTHER SUBSTRATES: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016–2025 (USD MILLION)

Table 19 DIESEL PARTICULATE FILTER MARKET, BY REGENERATION CATALYST, 2016—2025 ('000 UNITS)

Table 20 PT-RH: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 21 PD-RH: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 22 PT-PD-RH: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 23 DIESEL PARTICULATE FILTER MARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 24 DIESEL PARTICULATE FILTER MARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 25 PASSENGER CAR: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 ('000 UNITS)

Table 26 PASSENGER CAR: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 (USD MILLION)

Table 27 LCV: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 ('000 UNITS)

Table 28 LCV: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 (USD MILLION)

Table 29 TRUCK: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 ('000 UNITS)

Table 30 TRUCK: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 (USD MILLION)

Table 31 BUS: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 ('000 UNITS)

Table 32 BUS: DIESEL PARTICULATE FILTER MARKET, BY SUBSTRATE TYPE, 2016—2025 (USD MILLION)

Table 33 DIESEL PARTICULATE FILTER MARKET, BY REGION, 2016—2025 ('000 UNITS)

Table 34 DIESEL PARTICULATE FILTER MARKET, BY REGION, 2016—2025 (USD MILLION)

Table 35 AMERICAS: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 36 AMERICAS: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 37 ASIA PACIFIC: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 38 ASIA PACIFIC: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 39 EUROPE: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 40 EUROPE: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 41 ROW: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE,

2016—2025 ('000 UNITS)

Table 42 ROW: DIESEL PARTICULATE FILTER MARKET, BY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 43 OFF-HIGHWAY DIESEL PARTICULATE FILTER MARKET, BY REGENERATION PROCESS, 2016-2025 ('000 UNITS)

Table 44 OFF-HIGHWAY DIESEL PARTICULATE FILTER MARKET, BY REGENERATION PROCESS, 2016-2025 (USD MILLION)

Table 45 PASSIVE REGENERATION: DIESEL PARTICULATE FILTER MARKET, BY OHV EQUIPMENT TYPE, 2016—2025 ('000 UNITS)

Table 46 PASSIVE REGENERATION: DIESEL PARTICULATE FILTER MARKET, BY OHV EQUIPMENT TYPE, 2016—2025 (USD MILLION)

Table 47 ACTIVE FUEL ASSISTED: DIESEL PARTICULATE FILTER MARKET, BY OHV EQUIPMENT TYPE, 2016—2025 ('000 UNITS)

Table 48 ACTIVE FUEL ASSISTED: DIESEL PARTICULATE FILTER MARKET, BY OHV EQUIPMENT TYPE, 2016—2025 (USD MILLION)

Table 49 ACTIVE ELECTRICALLY ASSISTED: DIESEL PARTICULATE FILTER MARKET, BY OHV EQUIPMENT TYPE, 2016—2025 ('000 UNITS)

Table 50 ACTIVE ELECTRICALLY ASSISTED: DIESEL PARTICULATE FILTER MARKET, BY OHV EQUIPMENT TYPE, 2016—2025 (USD MILLION)

Table 51 OFF- HIGHWAY DIESEL PARTICULATE FILTER AFTERMARKET, BY EQUIPMENT TYPE, 2016-2025 ('000 UNITS)

Table 52 OFF- HIGHWAY DIESEL PARTICULATE FILTER AFTERMARKET, BY EQUIPMENT TYPE, 2016-2025 (USD MILLION)

Table 53 CONSTRUCTION EQUIPMENT: DIESEL PARTICULATE FILTER AFTERMARKET, BY SUBSTRATE TYPE, 2016—2025 ('000 UNITS)

Table 54 CONSTRUCTION EQUIPMENT: DIESEL PARTICULATE FILTER AFTERMARKET, BY SUBSTRATE TYPE, 2016—2025 (USD MILLION)

Table 55 AGRICULTURE TRACTORS: DIESEL PARTICULATE FILTER AFTERMARKET AFTERMARKET, BY SUBSTRATE TYPE, 2016—2025 ('000 UNITS)

Table 56 AGRICULTURE TRACTORS: DIESEL PARTICULATE FILTER AFTERMARKET AFTERMARKET, BY SUBSTRATE TYPE, 2016—2025 (USD MILLION)

Table 57 DIESEL PARTICULATE FILTER AFTERMARKET (FOR ON-HIGHWAY VEHICLES), BY REGION, 2016—2025 ('000 UNITS)

Table 58 DIESEL PARTICULATE FILTER AFTERMARKET (FOR ON-HIGHWAY VEHICLES), BY REGION, 2016—2025 (USD MILLION)

Table 59 ASIA PACIFIC: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 60 ASIA PACIFIC: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-

HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 61 CHINA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 62 CHINA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 63 INDIA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 64 INDIA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 65 JAPAN: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 66 JAPAN: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 67 SOUTH KOREA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 68 SOUTH KOREA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 69 REST OF ASIA-PACIFIC: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 70 REST OF ASIA-PACIFIC: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 71 EUROPE: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 72 EUROPE: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 73 FRANCE: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 74 FRANCE: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 75 GERMANY: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE 2016—2025 ('000 UNITS)

Table 76 GERMANY: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 77 ITALY: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 78 ITALY: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 79 SPAIN: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 80 SPAIN: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 81 UK: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 82 UK: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 83 EUROPE OTHERS: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 84 REST OF EUROPE: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 85 NORTH AMERICA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 86 NORTH AMERICA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 87 CANADA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 88 CANADA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 89 MEXICO: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 90 MEXICO: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 91 US: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 92 US: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 93 ROW: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 94 ROW: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 95 BRAZIL: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 96 BRAZIL: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 97 RUSSIA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 ('000 UNITS)

Table 98 RUSSIA: DIESEL PARTICULATE FILTER AFTERMARKET, BY ON-HIGHWAY VEHICLE TYPE, 2016—2025 (USD MILLION)

Table 99 NEW PRODUCT DEVELOPMENTS



Table 100 EXPANSIONS

Table 101 MERGERS & ACQUISITIONS

Table 102 PARTNERSHIPS/AGREEMENTS/SUPPLY  
CONTRACTS/COLLABORATIONS/ JOINT VENTURES



## List Of Figures

### LIST OF FIGURES

- Figure 1 DIESEL PARTICULATE FILTER MARKET SEGMENTATION
- Figure 2 RESEARCH DESIGN – DIESEL PARTICULATE FILTER MARKET
- Figure 3 RESEARCH METHODOLOGY MODEL
- Figure 4 BREAKDOWN OF PRIMARY INTERVIEWS
- Figure 5 DIESEL PARTICULATE FILTER MARKET: BOTTOM-UP APPROACH
- Figure 6 DIESEL PARTICULATE FILTER MARKET: MARKET OUTLOOK
- Figure 7 DIESEL PARTICULATE FILTER MARKET, BY REGION, 2018 VS. 2025 (USD BILLION)
- Figure 8 ATTRACTIVE GROWTH OPPORTUNITIES IN PASSENGER CAR DPF MARKET
- Figure 9 PASSENGER CAR TO BE THE LEADING MARKET, 2016-2025 (USD MILLION)
- Figure 10 SILICON CARBIDE TO BE THE LARGEST MARKET, BY SUBSTRATE TYPE, 2018 VS. 2025 (USD MILLION)
- Figure 11 PD-RH REGENERATION CATALYST TO DOMINATE THE DPF MARKET, 2018 VS. 2025
- Figure 12 PASSIVE DPF TYPE IS PROJECTED TO HAVE THE LARGEST SHARE OF OFF-HIGHWAY DPF MARKET, 2025 (USD MILLION)
- Figure 13 AGRICULTURE TRACTORS TO DOMINATE THE OFF-HIGHWAY DPF AFTERMARKET, 2025 (USD BILLION)
- Figure 14 US TO ACCOUNT FOR THE LARGEST DIESEL PARTICULATE FILTER AFTERMARKET IN 2018 (USD MILLION)
- Figure 15 ASIA PACIFIC TO BE THE LARGEST AND THE FASTEST GROWING MARKET, 2018 VS. 2025 (USD BILLION)
- Figure 16 DIESEL PARTICULATE FILTER MARKET: MARKET DYNAMICS
- Figure 17 ON-ROAD VEHICLE EMISSION REGULATION OUTLOOK FOR HEAVY DUTY VEHICLES, 2014–2025
- Figure 18 OFF-ROAD VEHICLE EMISSION REGULATION OUTLOOK, 2014–2025
- Figure 19 PASSENGER CAR PRODUCTION: DIESEL VEHICLE PENETRATION FOR KEY COUNTRIES, 2017
- Figure 20 GDI VEHICLES EQUIPPED WITH GPF, BY REGION ('000 UNITS)
- Figure 21 DIESEL PARTICULATE FILTER MARKET (FOR ON-HIGHWAY VEHICLES), BY SUBSTRATE TYPE, 2018 VS 2025 (USD BILLION)
- Figure 22 DIESEL PARTICULATE FILTER MARKET (FOR ON-HIGHWAY VEHICLES), BY REGENERATION CATALYST, 2018 VS 2025 (MILLION UNITS)

Figure 23 DIESEL PARTICULATE FILTER MARKET, BY ON-HIGHWAY VEHICLE TYPE, 2018 VS. 2025 (USD BILLION)

Figure 24 DIESEL PARTICULATE FILTER MARKET (FOR ON-HIGHWAY VEHICLES), BY REGION, 2018 VS 2025 (USD BILLION)

Figure 25 OFF-HIGHWAY DPF MARKET, BY REGENERATION PROCESS, 2016 -2025 (USD MILLION)

Figure 26 OFF HIGHWAY DPF AFTERMARKET, BY EQUIPMENT TYPE, 2016 -2025 (USD MILLION)

Figure 27 DIESEL PARTICULATE FILTER AFTERMARKET (FOR ON-HIGHWAY VEHICLES), BY REGION, 2018 (VALUE)

Figure 28 EUROPE TO REMAIN THE LARGEST ON-HIGHWAY VEHICLES AFTERMARKETFOR DPF

Figure 29 NORTH AMERICA TO REMAIN THE SECOND LARGEST ON-HIGHWAY VEHICLES AFTERMARKET FOR DPF

Figure 30 DIESEL PARTICULATE FILTER MARKET SHARE (FOR ON-HIGHWAY & OFF-HIGHWAY VEHICLES), FOR KEY PLAYERS, 2017

Figure 31 COMPANIES ADOPTED EXPANSION AS A KEY GROWTH STRATEGY

Figure 32 FAURECIA: COMPANY SNAPSHOT

Figure 33 SWOT ANALYSIS: FAURECIA

Figure 34 TENNECO: COMPANY SNAPSHOT

Figure 35 SWOT ANALYSIS: TENNECO

Figure 36 EBERSPAECHER: COMPANY SNAPSHOT

Figure 37 SWOT ANALYSIS: EBERSPAECHER

Figure 38 BASF: COMPANY SNAPSHOT

Figure 39 SWOT ANALYSIS: BASF

Figure 40 JOHNSON MATTHEY: COMPANY SNAPSHOT

Figure 41 SWOT ANALYSIS: JOHNSON MATTHEY

Figure 42 CONTINENTAL: COMPANY SNAPSHOT

Figure 43 DENSO: COMPANY SNAPSHOT

Figure 44 FRIEDRICH BOYSEN: COMPANY SNAPSHOT

Figure 45 NGK INSULATORS: COMPANY SNAPSHOT

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