

# Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Market Growth 2026-2032

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## Abstracts

The global Oil Discharge and Nitrogen Injection Fire Extinguishing Device market size is predicted to grow from US\$ 1302 million in 2025 to US\$ 1840 million in 2032; it is expected to grow at a CAGR of 5.0% from 2026 to 2032.

The oil discharge and nitrogen injection fire extinguishing device is an automatic fire protection system specifically designed for oil immersed power transformers, oil tanks, explosion-proof and fire extinguishing protection. When a fault or fire occurs inside the transformer, the system will automatically or manually start by opening the oil discharge valve to discharge some of the high-temperature transformer oil, while injecting nitrogen into the transformer to isolate oxygen and reduce temperature, thereby suppressing combustion and preventing explosion diffusion. The system usually consists of a control system, oil discharge pipeline, nitrogen injection pipeline, nitrogen cylinder group, and valves. In 2025, global Oil Discharge And Nitrogen Injection Fire Extinguishing Device production reached approximately 28,691 Units, with an average global market price of around US\$ 46,382 per unit.

The annual production capacity of the oil discharge and nitrogen injection fire extinguishing device is 40,000 units, with a gross profit margin of about 30%.

Upstream industries: nitrogen cylinder group and pressure vessel manufacturing enterprises, valve and pipeline system suppliers, control system and fire detector manufacturers, steel structure and electrical component enterprises, sensor and automation control equipment enterprises

Downstream industries: substations, power plants, etc.

Core equipment and material costs account for 50% to 60%, electrical and control system costs account for about 15% to 20%, production and assembly costs account for about 10% to 15%, installation and engineering implementation costs account for about 5% to 10%, and research and development and certification costs account for about 5% to 8%.

United States market for Oil Discharge and Nitrogen Injection Fire Extinguishing Device is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Oil Discharge and Nitrogen Injection Fire Extinguishing Device is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Oil Discharge and Nitrogen Injection Fire Extinguishing Device is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Oil Discharge and Nitrogen Injection Fire Extinguishing Device players cover Tri-Parulex Fire Protection Systems, EUROSAFE, Hebei Nuozhu Electricity Technology, PAVLN Security Technology, Zhejiang Rsafele Electric, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'Oil Discharge and Nitrogen Injection Fire Extinguishing Device Industry Forecast' looks at past sales and reviews total world Oil Discharge and Nitrogen Injection Fire Extinguishing Device sales in 2025, providing a comprehensive analysis by region and market sector of projected Oil Discharge and Nitrogen Injection Fire Extinguishing Device sales for 2026 through 2032. With Oil Discharge and Nitrogen Injection Fire Extinguishing Device sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Oil Discharge and Nitrogen Injection Fire Extinguishing Device industry.

This Insight Report provides a comprehensive analysis of the global Oil Discharge and Nitrogen Injection Fire Extinguishing Device landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Oil Discharge and Nitrogen Injection Fire Extinguishing Device portfolios and capabilities, market entry strategies, market

positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Oil Discharge and Nitrogen Injection Fire Extinguishing Device market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Oil Discharge and Nitrogen Injection Fire Extinguishing Device and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Oil Discharge and Nitrogen Injection Fire Extinguishing Device.

This report presents a comprehensive overview, market shares, and growth opportunities of Oil Discharge and Nitrogen Injection Fire Extinguishing Device market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Explosion Proof And Preventive Type

Fire Extinguishing Disposal Type

Segmentation by Startup Method:

Automatic Start

Manual Start

Segmentation by Application:

Oil Immersed Transformer

Oil Tank

Other

This report also splits the market by region:

### Americas

United States

Canada

Mexico

Brazil

### APAC

China

Japan

Korea

Southeast Asia

India

Australia

### Europe

Germany

France

UK

Italy

Russia

### Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Tri-Parulex Fire Protection Systems

EUROSAFE

Hebei Nuozhu Electricity Technology

PAVLN Security Technology

Zhejiang Rsafele Electric

Shenzhen Huadian Electricity Fire Prevention

Shenyang Zhongneng Zhongtai Power Equipment

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Oil Discharge and Nitrogen Injection Fire Extinguishing Device market?

What factors are driving Oil Discharge and Nitrogen Injection Fire Extinguishing Device market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Oil Discharge and Nitrogen Injection Fire Extinguishing Device market opportunities vary by end market size?

How does Oil Discharge and Nitrogen Injection Fire Extinguishing Device break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

2.1.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Sales 2021-2032

2.1.2 World Current & Future Analysis for Oil Discharge and Nitrogen Injection Fire Extinguishing Device by Geographic Region, 2021, 2025 & 2032

2.1.3 World Current & Future Analysis for Oil Discharge and Nitrogen Injection Fire Extinguishing Device by Country/Region, 2021, 2025 & 2032

#### 2.2 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Segment by Type

2.2.1 Explosion Proof And Preventive Type

2.2.2 Fire Extinguishing Disposal Type

2.2.3 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type

2.2.3.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type (2021-2026)

2.2.3.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue and Market Share by Type (2021-2026)

2.2.3.3 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Type (2021-2026)

#### 2.3 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Segment by Startup Method

2.3.1 Automatic Start

2.3.2 Manual Start

2.3.3 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Startup Method

Method

2.3.3.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales

Market Share by Startup Method (2021-2026)

2.3.3.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Revenue and Market Share by Startup Method (2021-2026)

2.3.3.3 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Startup Method (2021-2026)

2.4 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Segment by Application

2.4.1 Oil Immersed Transformer

2.4.2 Oil Tank

2.4.3 Other

2.4.4 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application

2.4.4.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Market Share by Application (2021-2026)

2.4.4.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue and Market Share by Application (2021-2026)

2.4.4.3 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

3.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Breakdown Data by Company

3.1.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Sales by Company (2021-2026)

3.1.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Company (2021-2026)

3.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Revenue by Company (2021-2026)

3.2.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Company (2021-2026)

3.2.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Company (2021-2026)

3.3 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Company

3.4 Key Manufacturers Oil Discharge and Nitrogen Injection Fire Extinguishing Device Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Location Distribution

3.4.2 Players Oil Discharge and Nitrogen Injection Fire Extinguishing Device Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

## **4 WORLD HISTORIC REVIEW FOR OIL DISCHARGE AND NITROGEN INJECTION FIRE EXTINGUISHING DEVICE BY GEOGRAPHIC REGION**

4.1 World Historic Oil Discharge and Nitrogen Injection Fire Extinguishing Device Market Size by Geographic Region (2021-2026)

4.1.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Oil Discharge and Nitrogen Injection Fire Extinguishing Device Market Size by Country/Region (2021-2026)

4.2.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Sales by Country/Region (2021-2026)

4.2.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Revenue by Country/Region (2021-2026)

4.3 Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Growth

4.4 APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Growth

4.5 Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Growth

4.6 Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Growth

## **5 AMERICAS**

5.1 Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country

5.1.1 Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country (2021-2026)

5.1.2 Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Country (2021-2026)

5.2 Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026)

5.3 Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Region

6.1.1 APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Region (2021-2026)

6.1.2 APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Region (2021-2026)

6.2 APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026)

6.3 APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

7.1 Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device by Country

7.1.1 Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country (2021-2026)

7.1.2 Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Country (2021-2026)

7.2 Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026)

7.3 Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by

Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device by Country

8.1.1 Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country (2021-2026)

8.1.2 Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Country (2021-2026)

8.2 Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026)

8.3 Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

10.3 Manufacturing Process Analysis of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

10.4 Industry Chain Structure of Oil Discharge and Nitrogen Injection Fire Extinguishing

Device

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

### 11.1 Sales Channel

#### 11.1.1 Direct Channels

#### 11.1.2 Indirect Channels

### 11.2 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Distributors

### 11.3 Oil Discharge and Nitrogen Injection Fire Extinguishing Device Customer

## **12 WORLD FORECAST REVIEW FOR OIL DISCHARGE AND NITROGEN INJECTION FIRE EXTINGUISHING DEVICE BY GEOGRAPHIC REGION**

### 12.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Market Size Forecast by Region

#### 12.1.1 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Forecast by Region (2027-2032)

#### 12.1.2 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Revenue Forecast by Region (2027-2032)

### 12.2 Americas Forecast by Country (2027-2032)

### 12.3 APAC Forecast by Region (2027-2032)

### 12.4 Europe Forecast by Country (2027-2032)

### 12.5 Middle East & Africa Forecast by Country (2027-2032)

### 12.6 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Forecast by Type (2027-2032)

### 12.7 Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Tri-Parulex Fire Protection Systems

#### 13.1.1 Tri-Parulex Fire Protection Systems Company Information

#### 13.1.2 Tri-Parulex Fire Protection Systems Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

#### 13.1.3 Tri-Parulex Fire Protection Systems Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)

#### 13.1.4 Tri-Parulex Fire Protection Systems Main Business Overview

#### 13.1.5 Tri-Parulex Fire Protection Systems Latest Developments

### 13.2 EUROSAFE

- 13.2.1 EUROSAFE Company Information
- 13.2.2 EUROSAFE Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications
- 13.2.3 EUROSAFE Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.2.4 EUROSAFE Main Business Overview
- 13.2.5 EUROSAFE Latest Developments
- 13.3 Hebei Nuozhu Electricity Technology
  - 13.3.1 Hebei Nuozhu Electricity Technology Company Information
  - 13.3.2 Hebei Nuozhu Electricity Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications
  - 13.3.3 Hebei Nuozhu Electricity Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.3.4 Hebei Nuozhu Electricity Technology Main Business Overview
  - 13.3.5 Hebei Nuozhu Electricity Technology Latest Developments
- 13.4 PAVLN Security Technology
  - 13.4.1 PAVLN Security Technology Company Information
  - 13.4.2 PAVLN Security Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications
  - 13.4.3 PAVLN Security Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.4.4 PAVLN Security Technology Main Business Overview
  - 13.4.5 PAVLN Security Technology Latest Developments
- 13.5 Zhejiang Rsafele Electric
  - 13.5.1 Zhejiang Rsafele Electric Company Information
  - 13.5.2 Zhejiang Rsafele Electric Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications
  - 13.5.3 Zhejiang Rsafele Electric Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.5.4 Zhejiang Rsafele Electric Main Business Overview
  - 13.5.5 Zhejiang Rsafele Electric Latest Developments
- 13.6 Shenzhen Huadian Electricity Fire Prevention
  - 13.6.1 Shenzhen Huadian Electricity Fire Prevention Company Information
  - 13.6.2 Shenzhen Huadian Electricity Fire Prevention Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications
  - 13.6.3 Shenzhen Huadian Electricity Fire Prevention Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.6.4 Shenzhen Huadian Electricity Fire Prevention Main Business Overview

- 13.6.5 Shenzhen Huadian Electricity Fire Prevention Latest Developments
- 13.7 Shenyang Zhongneng Zhongtai Power Equipment
  - 13.7.1 Shenyang Zhongneng Zhongtai Power Equipment Company Information
  - 13.7.2 Shenyang Zhongneng Zhongtai Power Equipment Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications
  - 13.7.3 Shenyang Zhongneng Zhongtai Power Equipment Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.7.4 Shenyang Zhongneng Zhongtai Power Equipment Main Business Overview
  - 13.7.5 Shenyang Zhongneng Zhongtai Power Equipment Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Explosion Proof And Preventive Type

Table 4. Major Players of Fire Extinguishing Disposal Type

Table 5. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026) & (Units)

Table 6. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type (2021-2026)

Table 7. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Type (2021-2026)

Table 9. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Type (2021-2026) & (US\$/Unit)

Table 10. Major Players of Automatic Start

Table 11. Major Players of Manual Start

Table 12. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Startup Method (2021-2026) & (Units)

Table 13. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Startup Method (2021-2026)

Table 14. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Startup Method (2021-2026) & (\$ million)

Table 15. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Startup Method (2021-2026)

Table 16. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Startup Method (2021-2026) & (US\$/Unit)

Table 17. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale by Application (2021-2026) & (Units)

Table 18. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Market Share by Application (2021-2026)

Table 19. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Application (2021-2026) & (\$ million)

Table 20. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Revenue Market Share by Application (2021-2026)

Table 21. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Application (2021-2026) & (US\$/Unit)

Table 22. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Company (2021-2026) & (Units)

Table 23. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Company (2021-2026)

Table 24. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Company (2021-2026) & (\$ millions)

Table 25. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Company (2021-2026)

Table 26. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Price by Company (2021-2026) & (US\$/Unit)

Table 27. Key Manufacturers Oil Discharge and Nitrogen Injection Fire Extinguishing Device Producing Area Distribution and Sales Area

Table 28. Players Oil Discharge and Nitrogen Injection Fire Extinguishing Device Products Offered

Table 29. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 30. New Products and Potential Entrants

Table 31. Market M&A Activity & Strategy

Table 32. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Geographic Region (2021-2026) & (Units)

Table 33. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share Geographic Region (2021-2026)

Table 34. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 35. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Geographic Region (2021-2026)

Table 36. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country/Region (2021-2026) & (Units)

Table 37. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country/Region (2021-2026)

Table 38. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Country/Region (2021-2026) & (\$ millions)

Table 39. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Country/Region (2021-2026)

Table 40. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country (2021-2026) & (Units)

Table 41. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country (2021-2026)

Table 42. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Country (2021-2026) & (\$ millions)

Table 43. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026) & (Units)

Table 44. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026) & (Units)

Table 45. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Region (2021-2026) & (Units)

Table 46. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Region (2021-2026)

Table 47. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Region (2021-2026) & (\$ millions)

Table 48. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026) & (Units)

Table 49. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026) & (Units)

Table 50. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country (2021-2026) & (Units)

Table 51. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Country (2021-2026) & (\$ millions)

Table 52. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026) & (Units)

Table 53. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026) & (Units)

Table 54. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Country (2021-2026) & (Units)

Table 55. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Country (2021-2026)

Table 56. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Type (2021-2026) & (Units)

Table 57. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Application (2021-2026) & (Units)

Table 58. Key Market Drivers & Growth Opportunities of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Table 59. Key Market Challenges & Risks of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Table 60. Key Industry Trends of Oil Discharge and Nitrogen Injection Fire

## Extinguishing Device

Table 61. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Distributors List

Table 64. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Customer List

Table 65. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Region (2027-2032) & (Units)

Table 66. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 67. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Country (2027-2032) & (Units)

Table 68. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 69. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Region (2027-2032) & (Units)

Table 70. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 71. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Country (2027-2032) & (Units)

Table 72. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 73. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Country (2027-2032) & (Units)

Table 74. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 75. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Type (2027-2032) & (Units)

Table 76. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 77. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Forecast by Application (2027-2032) & (Units)

Table 78. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 79. Tri-Parulex Fire Protection Systems Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 80. Tri-Parulex Fire Protection Systems Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 81. Tri-Parulex Fire Protection Systems Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 82. Tri-Parulex Fire Protection Systems Main Business

Table 83. Tri-Parulex Fire Protection Systems Latest Developments

Table 84. EUROSAFE Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 85. EUROSAFE Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 86. EUROSAFE Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 87. EUROSAFE Main Business

Table 88. EUROSAFE Latest Developments

Table 89. Hebei Nuozhu Electricity Technology Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 90. Hebei Nuozhu Electricity Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 91. Hebei Nuozhu Electricity Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 92. Hebei Nuozhu Electricity Technology Main Business

Table 93. Hebei Nuozhu Electricity Technology Latest Developments

Table 94. PAVLN Security Technology Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 95. PAVLN Security Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 96. PAVLN Security Technology Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 97. PAVLN Security Technology Main Business

Table 98. PAVLN Security Technology Latest Developments

Table 99. Zhejiang Rsafele Electric Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 100. Zhejiang Rsafele Electric Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 101. Zhejiang Rsafele Electric Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 102. Zhejiang Rsafele Electric Main Business

Table 103. Zhejiang Rsafele Electric Latest Developments

Table 104. Shenzhen Huadian Electricity Fire Prevention Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 105. Shenzhen Huadian Electricity Fire Prevention Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 106. Shenzhen Huadian Electricity Fire Prevention Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 107. Shenzhen Huadian Electricity Fire Prevention Main Business

Table 108. Shenzhen Huadian Electricity Fire Prevention Latest Developments

Table 109. Shenyang Zhongneng Zhongtai Power Equipment Basic Information, Oil Discharge and Nitrogen Injection Fire Extinguishing Device Manufacturing Base, Sales Area and Its Competitors

Table 110. Shenyang Zhongneng Zhongtai Power Equipment Oil Discharge and Nitrogen Injection Fire Extinguishing Device Product Portfolios and Specifications

Table 111. Shenyang Zhongneng Zhongtai Power Equipment Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 112. Shenyang Zhongneng Zhongtai Power Equipment Main Business

Table 113. Shenyang Zhongneng Zhongtai Power Equipment Latest Developments

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Figure 2. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Growth Rate 2021-2032 (Units)

Figure 7. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country/Region (2025)

Figure 10. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Explosion Proof And Preventive Type

Figure 12. Product Picture of Fire Extinguishing Disposal Type

Figure 13. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type in 2026

Figure 14. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Type (2021-2026)

Figure 15. Product Picture of Automatic Start

Figure 16. Product Picture of Manual Start

Figure 17. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Startup Method in 2026

Figure 18. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Startup Method (2021-2026)

Figure 19. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Consumed in Oil Immersed Transformer

Figure 20. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Market: Oil Immersed Transformer (2021-2026) & (Units)

Figure 21. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Consumed in Oil Tank

Figure 22. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Market: Oil Tank (2021-2026) & (Units)

Figure 23. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Consumed in Other

Figure 24. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Market: Other (2021-2026) & (Units)

Figure 25. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sale Market Share by Application (2025)

Figure 26. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Application in 2025

Figure 27. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales by Company in 2025 (Units)

Figure 28. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Company in 2025

Figure 29. Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue by Company in 2025 (\$ millions)

Figure 30. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Company in 2025

Figure 31. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Geographic Region (2021-2026)

Figure 32. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Geographic Region in 2025

Figure 33. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales 2021-2026 (Units)

Figure 34. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue 2021-2026 (\$ millions)

Figure 35. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales 2021-2026 (Units)

Figure 36. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue 2021-2026 (\$ millions)

Figure 37. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales 2021-2026 (Units)

Figure 38. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue 2021-2026 (\$ millions)

Figure 39. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales 2021-2026 (Units)

Figure 40. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue 2021-2026 (\$ millions)

Figure 41. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country in 2025

Figure 42. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Country (2021-2026)

Figure 43. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type (2021-2026)

Figure 44. Americas Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Application (2021-2026)

Figure 45. United States Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 46. Canada Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 47. Mexico Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 48. Brazil Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 49. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Region in 2025

Figure 50. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share by Region (2021-2026)

Figure 51. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type (2021-2026)

Figure 52. APAC Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Application (2021-2026)

Figure 53. China Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 54. Japan Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 55. South Korea Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 56. Southeast Asia Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 57. India Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 58. Australia Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 59. China Taiwan Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 60. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country in 2025

Figure 61. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Revenue Market Share by Country (2021-2026)

Figure 62. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type (2021-2026)

Figure 63. Europe Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Application (2021-2026)

Figure 64. Germany Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 65. France Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 66. UK Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 67. Italy Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 68. Russia Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 69. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Country (2021-2026)

Figure 70. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Type (2021-2026)

Figure 71. Middle East & Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share by Application (2021-2026)

Figure 72. Egypt Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 73. South Africa Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 74. Israel Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 75. Turkey Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 76. GCC Countries Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Growth 2021-2026 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of Oil Discharge and Nitrogen Injection Fire Extinguishing Device in 2026

Figure 78. Manufacturing Process Analysis of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Figure 79. Industry Chain Structure of Oil Discharge and Nitrogen Injection Fire Extinguishing Device

Figure 80. Channels of Distribution

Figure 81. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales

Market Forecast by Region (2027-2032)

Figure 82. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share Forecast by Region (2027-2032)

Figure 83. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share Forecast by Type (2027-2032)

Figure 84. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share Forecast by Type (2027-2032)

Figure 85. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Sales Market Share Forecast by Application (2027-2032)

Figure 86. Global Oil Discharge and Nitrogen Injection Fire Extinguishing Device Revenue Market Share Forecast by Application (2027-2032)

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