

# Global Nitrogen Fire Fighting Units Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G3104A949904EN.html

Date: December 2023

Pages: 137

Price: US\$ 3,480.00 (Single User License)

ID: G3104A949904EN

# **Abstracts**

According to our (Global Info Research) latest study, the global Nitrogen Fire Fighting Units market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

Nitrogen fire-fighting units, also known as nitrogen fire suppression systems or inert gas fire suppression systems, are designed to control or extinguish fires by reducing the oxygen concentration in a protected area.

The Global Info Research report includes an overview of the development of the Nitrogen Fire Fighting Units industry chain, the market status of Wildland Fires (Mixed Gas, Single Gas), Structural Fires (Mixed Gas, Single Gas), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Nitrogen Fire Fighting Units.

Regionally, the report analyzes the Nitrogen Fire Fighting Units markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Nitrogen Fire Fighting Units market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### **Key Features:**

The report presents comprehensive understanding of the Nitrogen Fire Fighting Units market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends,



challenges, and opportunities within the Nitrogen Fire Fighting Units industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Mixed Gas, Single Gas).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Nitrogen Fire Fighting Units market.

Regional Analysis: The report involves examining the Nitrogen Fire Fighting Units market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Nitrogen Fire Fighting Units market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Nitrogen Fire Fighting Units:

Company Analysis: Report covers individual Nitrogen Fire Fighting Units manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Nitrogen Fire Fighting Units This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Wildland Fires, Structural Fires).

Technology Analysis: Report covers specific technologies relevant to Nitrogen Fire Fighting Units. It assesses the current state, advancements, and potential future developments in Nitrogen Fire Fighting Units areas.



Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Nitrogen Fire Fighting Units market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Nitrogen Fire Fighting Units market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Mixed Gas

Single Gas

Market segment by Application

Wildland Fires

Structural Fires

Oil and Gas

**Industrial Fires** 

Others

Major players covered

**GRASYS** 

Kidde-Fenwal



Isolcell	
Rotarex Firetec	
Siemens	
GENERON	
Vimal Fire Controls	
Gielle	
Victaulic	
FireFlex systems	
United Fire Protection	
DYAYAN	
Johnson Controls	
Minimax	
Tri-Parulex Fire Protection Systems	
General Air Products	
Market segment by region, regional analysis covers	
North America (United States, Canada and Mexico)	
Europe (Germany, France, United Kingdom, Russia, Italy, and Res	t of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Aust	ralia)
South America (Brazil, Argentina, Colombia, and Rest of South Am	erica)

Global Nitrogen Fire Fighting Units Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2...



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

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

Chapter 1, to describe Nitrogen Fire Fighting Units product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nitrogen Fire Fighting Units, with price, sales, revenue and global market share of Nitrogen Fire Fighting Units from 2018 to 2023.

Chapter 3, the Nitrogen Fire Fighting Units competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nitrogen Fire Fighting Units breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Nitrogen Fire Fighting Units market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Nitrogen Fire Fighting Units.

Chapter 14 and 15, to describe Nitrogen Fire Fighting Units sales channel, distributors, customers, research findings and conclusion.



# **Contents**

#### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Nitrogen Fire Fighting Units
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
- 1.3.1 Overview: Global Nitrogen Fire Fighting Units Consumption Value by Type: 2018 Versus 2022 Versus 2029
  - 1.3.2 Mixed Gas
  - 1.3.3 Single Gas
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Nitrogen Fire Fighting Units Consumption Value by Application:
- 2018 Versus 2022 Versus 2029
  - 1.4.2 Wildland Fires
  - 1.4.3 Structural Fires
  - 1.4.4 Industrial Fires
  - 1.4.5 Oil and Gas
  - 1.4.6 Others
- 1.5 Global Nitrogen Fire Fighting Units Market Size & Forecast
  - 1.5.1 Global Nitrogen Fire Fighting Units Consumption Value (2018 & 2022 & 2029)
  - 1.5.2 Global Nitrogen Fire Fighting Units Sales Quantity (2018-2029)
  - 1.5.3 Global Nitrogen Fire Fighting Units Average Price (2018-2029)

#### **2 MANUFACTURERS PROFILES**

- 2.1 GRASYS
  - 2.1.1 GRASYS Details
  - 2.1.2 GRASYS Major Business
  - 2.1.3 GRASYS Nitrogen Fire Fighting Units Product and Services
- 2.1.4 GRASYS Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

- 2.1.5 GRASYS Recent Developments/Updates
- 2.2 Kidde-Fenwal
  - 2.2.1 Kidde-Fenwal Details
  - 2.2.2 Kidde-Fenwal Major Business
  - 2.2.3 Kidde-Fenwal Nitrogen Fire Fighting Units Product and Services
- 2.2.4 Kidde-Fenwal Nitrogen Fire Fighting Units Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)



- 2.2.5 Kidde-Fenwal Recent Developments/Updates
- 2.3 Isolcell
  - 2.3.1 Isolcell Details
  - 2.3.2 Isolcell Major Business
  - 2.3.3 Isolcell Nitrogen Fire Fighting Units Product and Services
  - 2.3.4 Isolcell Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

- 2.3.5 Isolcell Recent Developments/Updates
- 2.4 Rotarex Firetec
  - 2.4.1 Rotarex Firetec Details
  - 2.4.2 Rotarex Firetec Major Business
  - 2.4.3 Rotarex Firetec Nitrogen Fire Fighting Units Product and Services
  - 2.4.4 Rotarex Firetec Nitrogen Fire Fighting Units Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.4.5 Rotarex Firetec Recent Developments/Updates
- 2.5 Siemens
  - 2.5.1 Siemens Details
  - 2.5.2 Siemens Major Business
  - 2.5.3 Siemens Nitrogen Fire Fighting Units Product and Services
  - 2.5.4 Siemens Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

- 2.5.5 Siemens Recent Developments/Updates
- 2.6 GENERON
  - 2.6.1 GENERON Details
  - 2.6.2 GENERON Major Business
  - 2.6.3 GENERON Nitrogen Fire Fighting Units Product and Services
  - 2.6.4 GENERON Nitrogen Fire Fighting Units Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.6.5 GENERON Recent Developments/Updates
- 2.7 Vimal Fire Controls
  - 2.7.1 Vimal Fire Controls Details
  - 2.7.2 Vimal Fire Controls Major Business
  - 2.7.3 Vimal Fire Controls Nitrogen Fire Fighting Units Product and Services
  - 2.7.4 Vimal Fire Controls Nitrogen Fire Fighting Units Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.7.5 Vimal Fire Controls Recent Developments/Updates
- 2.8 Gielle
  - 2.8.1 Gielle Details
  - 2.8.2 Gielle Major Business



- 2.8.3 Gielle Nitrogen Fire Fighting Units Product and Services
- 2.8.4 Gielle Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

- 2.8.5 Gielle Recent Developments/Updates
- 2.9 Victaulic
  - 2.9.1 Victaulic Details
  - 2.9.2 Victaulic Major Business
  - 2.9.3 Victaulic Nitrogen Fire Fighting Units Product and Services
- 2.9.4 Victaulic Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

- 2.9.5 Victaulic Recent Developments/Updates
- 2.10 FireFlex systems
  - 2.10.1 FireFlex systems Details
  - 2.10.2 FireFlex systems Major Business
  - 2.10.3 FireFlex systems Nitrogen Fire Fighting Units Product and Services
  - 2.10.4 FireFlex systems Nitrogen Fire Fighting Units Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

- 2.10.5 FireFlex systems Recent Developments/Updates
- 2.11 United Fire Protection
  - 2.11.1 United Fire Protection Details
  - 2.11.2 United Fire Protection Major Business
  - 2.11.3 United Fire Protection Nitrogen Fire Fighting Units Product and Services
  - 2.11.4 United Fire Protection Nitrogen Fire Fighting Units Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.11.5 United Fire Protection Recent Developments/Updates
- 2.12 DYAYAN
  - 2.12.1 DYAYAN Details
  - 2.12.2 DYAYAN Major Business
  - 2.12.3 DYAYAN Nitrogen Fire Fighting Units Product and Services
  - 2.12.4 DYAYAN Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2018-2023)

- 2.12.5 DYAYAN Recent Developments/Updates
- 2.13 Johnson Controls
  - 2.13.1 Johnson Controls Details
  - 2.13.2 Johnson Controls Major Business
  - 2.13.3 Johnson Controls Nitrogen Fire Fighting Units Product and Services
- 2.13.4 Johnson Controls Nitrogen Fire Fighting Units Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2018-2023)

2.13.5 Johnson Controls Recent Developments/Updates



- 2.14 Minimax
  - 2.14.1 Minimax Details
  - 2.14.2 Minimax Major Business
  - 2.14.3 Minimax Nitrogen Fire Fighting Units Product and Services
- 2.14.4 Minimax Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.14.5 Minimax Recent Developments/Updates
- 2.15 Tri-Parulex Fire Protection Systems
  - 2.15.1 Tri-Parulex Fire Protection Systems Details
  - 2.15.2 Tri-Parulex Fire Protection Systems Major Business
- 2.15.3 Tri-Parulex Fire Protection Systems Nitrogen Fire Fighting Units Product and Services
- 2.15.4 Tri-Parulex Fire Protection Systems Nitrogen Fire Fighting Units Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
  - 2.15.5 Tri-Parulex Fire Protection Systems Recent Developments/Updates
- 2.16 General Air Products
  - 2.16.1 General Air Products Details
  - 2.16.2 General Air Products Major Business
  - 2.16.3 General Air Products Nitrogen Fire Fighting Units Product and Services
  - 2.16.4 General Air Products Nitrogen Fire Fighting Units Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2018-2023)

2.16.5 General Air Products Recent Developments/Updates

# 3 COMPETITIVE ENVIRONMENT: NITROGEN FIRE FIGHTING UNITS BY MANUFACTURER

- 3.1 Global Nitrogen Fire Fighting Units Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Nitrogen Fire Fighting Units Revenue by Manufacturer (2018-2023)
- 3.3 Global Nitrogen Fire Fighting Units Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
- 3.4.1 Producer Shipments of Nitrogen Fire Fighting Units by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- 3.4.2 Top 3 Nitrogen Fire Fighting Units Manufacturer Market Share in 2022
- 3.4.2 Top 6 Nitrogen Fire Fighting Units Manufacturer Market Share in 2022
- 3.5 Nitrogen Fire Fighting Units Market: Overall Company Footprint Analysis
  - 3.5.1 Nitrogen Fire Fighting Units Market: Region Footprint
  - 3.5.2 Nitrogen Fire Fighting Units Market: Company Product Type Footprint
- 3.5.3 Nitrogen Fire Fighting Units Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry



## 3.7 Mergers, Acquisition, Agreements, and Collaborations

#### **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Nitrogen Fire Fighting Units Market Size by Region
- 4.1.1 Global Nitrogen Fire Fighting Units Sales Quantity by Region (2018-2029)
- 4.1.2 Global Nitrogen Fire Fighting Units Consumption Value by Region (2018-2029)
- 4.1.3 Global Nitrogen Fire Fighting Units Average Price by Region (2018-2029)
- 4.2 North America Nitrogen Fire Fighting Units Consumption Value (2018-2029)
- 4.3 Europe Nitrogen Fire Fighting Units Consumption Value (2018-2029)
- 4.4 Asia-Pacific Nitrogen Fire Fighting Units Consumption Value (2018-2029)
- 4.5 South America Nitrogen Fire Fighting Units Consumption Value (2018-2029)
- 4.6 Middle East and Africa Nitrogen Fire Fighting Units Consumption Value (2018-2029)

#### **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2029)
- 5.2 Global Nitrogen Fire Fighting Units Consumption Value by Type (2018-2029)
- 5.3 Global Nitrogen Fire Fighting Units Average Price by Type (2018-2029)

#### **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2029)
- 6.2 Global Nitrogen Fire Fighting Units Consumption Value by Application (2018-2029)
- 6.3 Global Nitrogen Fire Fighting Units Average Price by Application (2018-2029)

#### 7 NORTH AMERICA

- 7.1 North America Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2029)
- 7.2 North America Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2029)
- 7.3 North America Nitrogen Fire Fighting Units Market Size by Country
- 7.3.1 North America Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2029)
- 7.3.2 North America Nitrogen Fire Fighting Units Consumption Value by Country (2018-2029)
- 7.3.3 United States Market Size and Forecast (2018-2029)
- 7.3.4 Canada Market Size and Forecast (2018-2029)
- 7.3.5 Mexico Market Size and Forecast (2018-2029)



#### **8 EUROPE**

- 8.1 Europe Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2029)
- 8.2 Europe Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2029)
- 8.3 Europe Nitrogen Fire Fighting Units Market Size by Country
  - 8.3.1 Europe Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2029)
  - 8.3.2 Europe Nitrogen Fire Fighting Units Consumption Value by Country (2018-2029)
  - 8.3.3 Germany Market Size and Forecast (2018-2029)
  - 8.3.4 France Market Size and Forecast (2018-2029)
  - 8.3.5 United Kingdom Market Size and Forecast (2018-2029)
  - 8.3.6 Russia Market Size and Forecast (2018-2029)
  - 8.3.7 Italy Market Size and Forecast (2018-2029)

#### 9 ASIA-PACIFIC

- 9.1 Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2029)
- 9.2 Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2029)
- 9.3 Asia-Pacific Nitrogen Fire Fighting Units Market Size by Region
  - 9.3.1 Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Region (2018-2029)
- 9.3.2 Asia-Pacific Nitrogen Fire Fighting Units Consumption Value by Region (2018-2029)
  - 9.3.3 China Market Size and Forecast (2018-2029)
  - 9.3.4 Japan Market Size and Forecast (2018-2029)
  - 9.3.5 Korea Market Size and Forecast (2018-2029)
  - 9.3.6 India Market Size and Forecast (2018-2029)
  - 9.3.7 Southeast Asia Market Size and Forecast (2018-2029)
- 9.3.8 Australia Market Size and Forecast (2018-2029)

#### 10 SOUTH AMERICA

- 10.1 South America Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2029)
- 10.2 South America Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2029)
- 10.3 South America Nitrogen Fire Fighting Units Market Size by Country
- 10.3.1 South America Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2029)
- 10.3.2 South America Nitrogen Fire Fighting Units Consumption Value by Country (2018-2029)



- 10.3.3 Brazil Market Size and Forecast (2018-2029)
- 10.3.4 Argentina Market Size and Forecast (2018-2029)

#### 11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2029)
- 11.2 Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2029)
- 11.3 Middle East & Africa Nitrogen Fire Fighting Units Market Size by Country
- 11.3.1 Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2029)
- 11.3.2 Middle East & Africa Nitrogen Fire Fighting Units Consumption Value by Country (2018-2029)
  - 11.3.3 Turkey Market Size and Forecast (2018-2029)
  - 11.3.4 Egypt Market Size and Forecast (2018-2029)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)
  - 11.3.6 South Africa Market Size and Forecast (2018-2029)

#### 12 MARKET DYNAMICS

- 12.1 Nitrogen Fire Fighting Units Market Drivers
- 12.2 Nitrogen Fire Fighting Units Market Restraints
- 12.3 Nitrogen Fire Fighting Units Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

#### 13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Nitrogen Fire Fighting Units and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Nitrogen Fire Fighting Units
- 13.3 Nitrogen Fire Fighting Units Production Process
- 13.4 Nitrogen Fire Fighting Units Industrial Chain

#### 14 SHIPMENTS BY DISTRIBUTION CHANNEL



- 14.1 Sales Channel
  - 14.1.1 Direct to End-User
  - 14.1.2 Distributors
- 14.2 Nitrogen Fire Fighting Units Typical Distributors
- 14.3 Nitrogen Fire Fighting Units Typical Customers

### 15 RESEARCH FINDINGS AND CONCLUSION

#### **16 APPENDIX**

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



# **List Of Tables**

#### LIST OF TABLES

Table 1. Global Nitrogen Fire Fighting Units Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Nitrogen Fire Fighting Units Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. GRASYS Basic Information, Manufacturing Base and Competitors

Table 4. GRASYS Major Business

Table 5. GRASYS Nitrogen Fire Fighting Units Product and Services

Table 6. GRASYS Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. GRASYS Recent Developments/Updates

Table 8. Kidde-Fenwal Basic Information, Manufacturing Base and Competitors

Table 9. Kidde-Fenwal Major Business

Table 10. Kidde-Fenwal Nitrogen Fire Fighting Units Product and Services

Table 11. Kidde-Fenwal Nitrogen Fire Fighting Units Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Kidde-Fenwal Recent Developments/Updates

Table 13. Isolcell Basic Information, Manufacturing Base and Competitors

Table 14. Isolcell Major Business

Table 15. Isolcell Nitrogen Fire Fighting Units Product and Services

Table 16. Isolcell Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. Isolcell Recent Developments/Updates

Table 18. Rotarex Firetec Basic Information, Manufacturing Base and Competitors

Table 19. Rotarex Firetec Major Business

Table 20. Rotarex Firetec Nitrogen Fire Fighting Units Product and Services

Table 21. Rotarex Firetec Nitrogen Fire Fighting Units Sales Quantity (K Units), Average

Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Rotarex Firetec Recent Developments/Updates

Table 23. Siemens Basic Information, Manufacturing Base and Competitors

Table 24. Siemens Major Business

Table 25. Siemens Nitrogen Fire Fighting Units Product and Services

Table 26. Siemens Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price

(US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 27. Siemens Recent Developments/Updates

Table 28. GENERON Basic Information, Manufacturing Base and Competitors



- Table 29. GENERON Major Business
- Table 30. GENERON Nitrogen Fire Fighting Units Product and Services
- Table 31. GENERON Nitrogen Fire Fighting Units Sales Quantity (K Units), Average
- Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 32. GENERON Recent Developments/Updates
- Table 33. Vimal Fire Controls Basic Information, Manufacturing Base and Competitors
- Table 34. Vimal Fire Controls Major Business
- Table 35. Vimal Fire Controls Nitrogen Fire Fighting Units Product and Services
- Table 36. Vimal Fire Controls Nitrogen Fire Fighting Units Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 37. Vimal Fire Controls Recent Developments/Updates
- Table 38. Gielle Basic Information, Manufacturing Base and Competitors
- Table 39. Gielle Major Business
- Table 40. Gielle Nitrogen Fire Fighting Units Product and Services
- Table 41. Gielle Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price
- (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 42. Gielle Recent Developments/Updates
- Table 43. Victaulic Basic Information, Manufacturing Base and Competitors
- Table 44. Victaulic Major Business
- Table 45. Victaulic Nitrogen Fire Fighting Units Product and Services
- Table 46. Victaulic Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price
- (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 47. Victaulic Recent Developments/Updates
- Table 48. FireFlex systems Basic Information, Manufacturing Base and Competitors
- Table 49. FireFlex systems Major Business
- Table 50. FireFlex systems Nitrogen Fire Fighting Units Product and Services
- Table 51. FireFlex systems Nitrogen Fire Fighting Units Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 52. FireFlex systems Recent Developments/Updates
- Table 53. United Fire Protection Basic Information, Manufacturing Base and Competitors
- Table 54. United Fire Protection Major Business
- Table 55. United Fire Protection Nitrogen Fire Fighting Units Product and Services
- Table 56. United Fire Protection Nitrogen Fire Fighting Units Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 57. United Fire Protection Recent Developments/Updates



- Table 58. DYAYAN Basic Information, Manufacturing Base and Competitors
- Table 59. DYAYAN Major Business
- Table 60. DYAYAN Nitrogen Fire Fighting Units Product and Services
- Table 61. DYAYAN Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price
- (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 62. DYAYAN Recent Developments/Updates
- Table 63. Johnson Controls Basic Information, Manufacturing Base and Competitors
- Table 64. Johnson Controls Major Business
- Table 65. Johnson Controls Nitrogen Fire Fighting Units Product and Services
- Table 66. Johnson Controls Nitrogen Fire Fighting Units Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 67. Johnson Controls Recent Developments/Updates
- Table 68. Minimax Basic Information, Manufacturing Base and Competitors
- Table 69. Minimax Major Business
- Table 70. Minimax Nitrogen Fire Fighting Units Product and Services
- Table 71. Minimax Nitrogen Fire Fighting Units Sales Quantity (K Units), Average Price
- (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 72. Minimax Recent Developments/Updates
- Table 73. Tri-Parulex Fire Protection Systems Basic Information, Manufacturing Base and Competitors
- Table 74. Tri-Parulex Fire Protection Systems Major Business
- Table 75. Tri-Parulex Fire Protection Systems Nitrogen Fire Fighting Units Product and Services
- Table 76. Tri-Parulex Fire Protection Systems Nitrogen Fire Fighting Units Sales
- Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Tri-Parulex Fire Protection Systems Recent Developments/Updates
- Table 78. General Air Products Basic Information, Manufacturing Base and Competitors
- Table 79. General Air Products Major Business
- Table 80. General Air Products Nitrogen Fire Fighting Units Product and Services
- Table 81. General Air Products Nitrogen Fire Fighting Units Sales Quantity (K Units),
- Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
- Table 82. General Air Products Recent Developments/Updates
- Table 83. Global Nitrogen Fire Fighting Units Sales Quantity by Manufacturer (2018-2023) & (K Units)
- Table 84. Global Nitrogen Fire Fighting Units Revenue by Manufacturer (2018-2023) & (USD Million)



Table 85. Global Nitrogen Fire Fighting Units Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 86. Market Position of Manufacturers in Nitrogen Fire Fighting Units, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 87. Head Office and Nitrogen Fire Fighting Units Production Site of Key Manufacturer

Table 88. Nitrogen Fire Fighting Units Market: Company Product Type Footprint

Table 89. Nitrogen Fire Fighting Units Market: Company Product Application Footprint

Table 90. Nitrogen Fire Fighting Units New Market Entrants and Barriers to Market Entry

Table 91. Nitrogen Fire Fighting Units Mergers, Acquisition, Agreements, and Collaborations

Table 92. Global Nitrogen Fire Fighting Units Sales Quantity by Region (2018-2023) & (K Units)

Table 93. Global Nitrogen Fire Fighting Units Sales Quantity by Region (2024-2029) & (K Units)

Table 94. Global Nitrogen Fire Fighting Units Consumption Value by Region (2018-2023) & (USD Million)

Table 95. Global Nitrogen Fire Fighting Units Consumption Value by Region (2024-2029) & (USD Million)

Table 96. Global Nitrogen Fire Fighting Units Average Price by Region (2018-2023) & (US\$/Unit)

Table 97. Global Nitrogen Fire Fighting Units Average Price by Region (2024-2029) & (US\$/Unit)

Table 98. Global Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2023) & (K Units)

Table 99. Global Nitrogen Fire Fighting Units Sales Quantity by Type (2024-2029) & (K Units)

Table 100. Global Nitrogen Fire Fighting Units Consumption Value by Type (2018-2023) & (USD Million)

Table 101. Global Nitrogen Fire Fighting Units Consumption Value by Type (2024-2029) & (USD Million)

Table 102. Global Nitrogen Fire Fighting Units Average Price by Type (2018-2023) & (US\$/Unit)

Table 103. Global Nitrogen Fire Fighting Units Average Price by Type (2024-2029) & (US\$/Unit)

Table 104. Global Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2023) & (K Units)

Table 105. Global Nitrogen Fire Fighting Units Sales Quantity by Application



(2024-2029) & (K Units)

Table 106. Global Nitrogen Fire Fighting Units Consumption Value by Application (2018-2023) & (USD Million)

Table 107. Global Nitrogen Fire Fighting Units Consumption Value by Application (2024-2029) & (USD Million)

Table 108. Global Nitrogen Fire Fighting Units Average Price by Application (2018-2023) & (US\$/Unit)

Table 109. Global Nitrogen Fire Fighting Units Average Price by Application (2024-2029) & (US\$/Unit)

Table 110. North America Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2023) & (K Units)

Table 111. North America Nitrogen Fire Fighting Units Sales Quantity by Type (2024-2029) & (K Units)

Table 112. North America Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2023) & (K Units)

Table 113. North America Nitrogen Fire Fighting Units Sales Quantity by Application (2024-2029) & (K Units)

Table 114. North America Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2023) & (K Units)

Table 115. North America Nitrogen Fire Fighting Units Sales Quantity by Country (2024-2029) & (K Units)

Table 116. North America Nitrogen Fire Fighting Units Consumption Value by Country (2018-2023) & (USD Million)

Table 117. North America Nitrogen Fire Fighting Units Consumption Value by Country (2024-2029) & (USD Million)

Table 118. Europe Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2023) & (K Units)

Table 119. Europe Nitrogen Fire Fighting Units Sales Quantity by Type (2024-2029) & (K Units)

Table 120. Europe Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2023) & (K Units)

Table 121. Europe Nitrogen Fire Fighting Units Sales Quantity by Application (2024-2029) & (K Units)

Table 122. Europe Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2023) & (K Units)

Table 123. Europe Nitrogen Fire Fighting Units Sales Quantity by Country (2024-2029) & (K Units)

Table 124. Europe Nitrogen Fire Fighting Units Consumption Value by Country (2018-2023) & (USD Million)



Table 125. Europe Nitrogen Fire Fighting Units Consumption Value by Country (2024-2029) & (USD Million)

Table 126. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2023) & (K Units)

Table 127. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Type (2024-2029) & (K Units)

Table 128. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2023) & (K Units)

Table 129. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Application (2024-2029) & (K Units)

Table 130. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Region (2018-2023) & (K Units)

Table 131. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity by Region (2024-2029) & (K Units)

Table 132. Asia-Pacific Nitrogen Fire Fighting Units Consumption Value by Region (2018-2023) & (USD Million)

Table 133. Asia-Pacific Nitrogen Fire Fighting Units Consumption Value by Region (2024-2029) & (USD Million)

Table 134. South America Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2023) & (K Units)

Table 135. South America Nitrogen Fire Fighting Units Sales Quantity by Type (2024-2029) & (K Units)

Table 136. South America Nitrogen Fire Fighting Units Sales Quantity by Application (2018-2023) & (K Units)

Table 137. South America Nitrogen Fire Fighting Units Sales Quantity by Application (2024-2029) & (K Units)

Table 138. South America Nitrogen Fire Fighting Units Sales Quantity by Country (2018-2023) & (K Units)

Table 139. South America Nitrogen Fire Fighting Units Sales Quantity by Country (2024-2029) & (K Units)

Table 140. South America Nitrogen Fire Fighting Units Consumption Value by Country (2018-2023) & (USD Million)

Table 141. South America Nitrogen Fire Fighting Units Consumption Value by Country (2024-2029) & (USD Million)

Table 142. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Type (2018-2023) & (K Units)

Table 143. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Type (2024-2029) & (K Units)

Table 144. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by



Application (2018-2023) & (K Units)

Table 145. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Application (2024-2029) & (K Units)

Table 146. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Region (2018-2023) & (K Units)

Table 147. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity by Region (2024-2029) & (K Units)

Table 148. Middle East & Africa Nitrogen Fire Fighting Units Consumption Value by Region (2018-2023) & (USD Million)

Table 149. Middle East & Africa Nitrogen Fire Fighting Units Consumption Value by Region (2024-2029) & (USD Million)

Table 150. Nitrogen Fire Fighting Units Raw Material

Table 151. Key Manufacturers of Nitrogen Fire Fighting Units Raw Materials

Table 152. Nitrogen Fire Fighting Units Typical Distributors

Table 153. Nitrogen Fire Fighting Units Typical Customers

#### LIST OF FIGURE

S

Figure 1. Nitrogen Fire Fighting Units Picture

Figure 2. Global Nitrogen Fire Fighting Units Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 3. Global Nitrogen Fire Fighting Units Consumption Value Market Share by Type in 2022

Figure 4. Mixed Gas Examples

Figure 5. Single Gas Examples

Figure 6. Global Nitrogen Fire Fighting Units Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 7. Global Nitrogen Fire Fighting Units Consumption Value Market Share by Application in 2022

Figure 8. Wildland Fires Examples

Figure 9. Structural Fires Examples

Figure 10. Industrial Fires Examples

Figure 11. Oil and Gas Examples

Figure 12. Others Examples

Figure 13. Global Nitrogen Fire Fighting Units Consumption Value, (USD Million): 2018 & 2022 & 2029

Figure 14. Global Nitrogen Fire Fighting Units Consumption Value and Forecast (2018-2029) & (USD Million)

Figure 15. Global Nitrogen Fire Fighting Units Sales Quantity (2018-2029) & (K Units)



- Figure 16. Global Nitrogen Fire Fighting Units Average Price (2018-2029) & (US\$/Unit)
- Figure 17. Global Nitrogen Fire Fighting Units Sales Quantity Market Share by Manufacturer in 2022
- Figure 18. Global Nitrogen Fire Fighting Units Consumption Value Market Share by Manufacturer in 2022
- Figure 19. Producer Shipments of Nitrogen Fire Fighting Units by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 20. Top 3 Nitrogen Fire Fighting Units Manufacturer (Consumption Value) Market Share in 2022
- Figure 21. Top 6 Nitrogen Fire Fighting Units Manufacturer (Consumption Value) Market Share in 2022
- Figure 22. Global Nitrogen Fire Fighting Units Sales Quantity Market Share by Region (2018-2029)
- Figure 23. Global Nitrogen Fire Fighting Units Consumption Value Market Share by Region (2018-2029)
- Figure 24. North America Nitrogen Fire Fighting Units Consumption Value (2018-2029) & (USD Million)
- Figure 25. Europe Nitrogen Fire Fighting Units Consumption Value (2018-2029) & (USD Million)
- Figure 26. Asia-Pacific Nitrogen Fire Fighting Units Consumption Value (2018-2029) & (USD Million)
- Figure 27. South America Nitrogen Fire Fighting Units Consumption Value (2018-2029) & (USD Million)
- Figure 28. Middle East & Africa Nitrogen Fire Fighting Units Consumption Value (2018-2029) & (USD Million)
- Figure 29. Global Nitrogen Fire Fighting Units Sales Quantity Market Share by Type (2018-2029)
- Figure 30. Global Nitrogen Fire Fighting Units Consumption Value Market Share by Type (2018-2029)
- Figure 31. Global Nitrogen Fire Fighting Units Average Price by Type (2018-2029) & (US\$/Unit)
- Figure 32. Global Nitrogen Fire Fighting Units Sales Quantity Market Share by Application (2018-2029)
- Figure 33. Global Nitrogen Fire Fighting Units Consumption Value Market Share by Application (2018-2029)
- Figure 34. Global Nitrogen Fire Fighting Units Average Price by Application (2018-2029) & (US\$/Unit)
- Figure 35. North America Nitrogen Fire Fighting Units Sales Quantity Market Share by Type (2018-2029)



Figure 36. North America Nitrogen Fire Fighting Units Sales Quantity Market Share by Application (2018-2029)

Figure 37. North America Nitrogen Fire Fighting Units Sales Quantity Market Share by Country (2018-2029)

Figure 38. North America Nitrogen Fire Fighting Units Consumption Value Market Share by Country (2018-2029)

Figure 39. United States Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 40. Canada Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 41. Mexico Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Europe Nitrogen Fire Fighting Units Sales Quantity Market Share by Type (2018-2029)

Figure 43. Europe Nitrogen Fire Fighting Units Sales Quantity Market Share by Application (2018-2029)

Figure 44. Europe Nitrogen Fire Fighting Units Sales Quantity Market Share by Country (2018-2029)

Figure 45. Europe Nitrogen Fire Fighting Units Consumption Value Market Share by Country (2018-2029)

Figure 46. Germany Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 47. France Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 48. United Kingdom Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. Russia Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. Italy Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity Market Share by Type (2018-2029)

Figure 52. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity Market Share by Application (2018-2029)

Figure 53. Asia-Pacific Nitrogen Fire Fighting Units Sales Quantity Market Share by Region (2018-2029)

Figure 54. Asia-Pacific Nitrogen Fire Fighting Units Consumption Value Market Share by Region (2018-2029)

Figure 55. China Nitrogen Fire Fighting Units Consumption Value and Growth Rate



(2018-2029) & (USD Million)

Figure 56. Japan Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 57. Korea Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. India Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Southeast Asia Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. Australia Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. South America Nitrogen Fire Fighting Units Sales Quantity Market Share by Type (2018-2029)

Figure 62. South America Nitrogen Fire Fighting Units Sales Quantity Market Share by Application (2018-2029)

Figure 63. South America Nitrogen Fire Fighting Units Sales Quantity Market Share by Country (2018-2029)

Figure 64. South America Nitrogen Fire Fighting Units Consumption Value Market Share by Country (2018-2029)

Figure 65. Brazil Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 66. Argentina Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 67. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity Market Share by Type (2018-2029)

Figure 68. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity Market Share by Application (2018-2029)

Figure 69. Middle East & Africa Nitrogen Fire Fighting Units Sales Quantity Market Share by Region (2018-2029)

Figure 70. Middle East & Africa Nitrogen Fire Fighting Units Consumption Value Market Share by Region (2018-2029)

Figure 71. Turkey Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 72. Egypt Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 73. Saudi Arabia Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. South Africa Nitrogen Fire Fighting Units Consumption Value and Growth Rate (2018-2029) & (USD Million)



- Figure 75. Nitrogen Fire Fighting Units Market Drivers
- Figure 76. Nitrogen Fire Fighting Units Market Restraints
- Figure 77. Nitrogen Fire Fighting Units Market Trends
- Figure 78. Porters Five Forces Analysis
- Figure 79. Manufacturing Cost Structure Analysis of Nitrogen Fire Fighting Units in 2022
- Figure 80. Manufacturing Process Analysis of Nitrogen Fire Fighting Units
- Figure 81. Nitrogen Fire Fighting Units Industrial Chain
- Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 83. Direct Channel Pros & Cons
- Figure 84. Indirect Channel Pros & Cons
- Figure 85. Methodology
- Figure 86. Research Process and Data Source



#### I would like to order

Product name: Global Nitrogen Fire Fighting Units Market 2023 by Manufacturers, Regions, Type and

Application, Forecast to 2029

Product link: <a href="https://marketpublishers.com/r/G3104A949904EN.html">https://marketpublishers.com/r/G3104A949904EN.html</a>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

First name

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G3104A949904EN.html">https://marketpublishers.com/r/G3104A949904EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to  $+44\ 20\ 7900\ 3970$ 

