

Global Dissolvable Metal Frac Plugs Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Dissolvable Metal Frac Plugs market size was valued at USD 314.4 million in 2023 and is forecast to a readjusted size of USD 565.1 million by 2030 with a CAGR of 8.7% during review period.

The dissolvable metal frac plug operates like a traditional frac plug and can be set anywhere in the wellbore to isolate individual zones. The dissolvable frac plug is composed of a high-strength metal that degrades completely in wellbore fluids.

The dissolvable frac plug is designed for plug-and-perf applications and is composed of a new high-strength engineered metal that dissolves in water-based wellbore fluid, formation fluid, or production fluid. Complete dissolution of the frac plug eliminates the need for a separate mill run intervention into the wellbore, which helps reduce costs, operation time, and risks to personnel.

Dissolvable frac plugs are generally in the range from 4.5 to 6 inches in diameter and 8 to 20 inches in length. A single wellbore requires 10 to 40 multi-part frac plugs to pressurize and perforate multiple oil and gas producing layers, also known as stages. Hydraulic fracturing, also known as fracking, hydrofracking, or hydrofracturing, is a stimulation technique for wells used for oil and gas production from tight reservoirs. In this process, the rock is fractured by a pressurized liquid. A fracking fluid is injected in the well at high pressure, which creates cracks in deep-rock formations. Through these cracks, natural gas, petroleum, and brine can flow more freely. In order to improve the overall productivity of hydraulic fracturing and attain better hydrocarbon flow, well completion techniques, such as plug and perf, are most commonly utilized. In this



process, a bridge plug and perforation (perf) gun is placed at the desired stage in a well bore. Frac plugs are used as a temporary barrier to separate stages of zones during the fracturing or stimulation process. When the plug is set and the zone is perforated, a ball is pumped down to isolate the zones below the plugs. Ball-activated plugs deviate fracture fluids through perforations into the formation. After completion of all stages, the process is repeated. The development of soluble bridge plug market benefit from the development of unconventional oil and gas wells, especially shale gas wells.

The key manufacturers of Dissolvable Metal Frac Plugs in the world are Schlumberger Limited, Halliburton Company, China National Petroleum Corporation (CNPC), Nine Energy Service, Inc., Pyramid Oil Tools, LLC, China Petroleum & Chemical Corporation (Sinopec), Innovex Inc. and NOV Inc., among which the market share of the top three producers is close to 50%, and Schlumberger Limited is the largest producer. The global production of dissolvable metal frac plugs is mainly distributed in North America and China. At present, North America is the largest production area, with a market share of more than 80%. In terms of its products, the growth rate of small caliber products is relatively fast and the market share is currently the highest, close to 90%, followed by large caliber products. As far as its application is concerned, horizontal well is the largest application field, accounting for nearly 90% of the market share, followed by vertical well.

The Global Info Research report includes an overview of the development of the Dissolvable Metal Frac Plugs industry chain, the market status of Horizontal Well (Small Caliber, Large Caliber), Vertical Well (Small Caliber, Large Caliber), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Dissolvable Metal Frac Plugs.

Regionally, the report analyzes the Dissolvable Metal Frac Plugs 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 Dissolvable Metal Frac Plugs market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Dissolvable Metal Frac Plugs 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 Dissolvable Metal Frac Plugs 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 (Units), revenue generated, and market share of different by Type (e.g., Small Caliber, Large Caliber).

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 Dissolvable Metal Frac Plugs market.

Regional Analysis: The report involves examining the Dissolvable Metal Frac Plugs 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 Dissolvable Metal Frac Plugs market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Dissolvable Metal Frac Plugs:

Company Analysis: Report covers individual Dissolvable Metal Frac Plugs 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 Dissolvable Metal Frac Plugs This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Horizontal Well, Vertical Well).

Technology Analysis: Report covers specific technologies relevant to Dissolvable Metal Frac Plugs. It assesses the current state, advancements, and potential future developments in Dissolvable Metal Frac Plugs areas.



Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Dissolvable Metal Frac Plugs 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

Dissolvable Metal Frac Plugs market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Small Caliber

Large Caliber

Market segment by Application

Horizontal Well

Vertical Well

Major players covered

Schlumberger Limited

Halliburton Company

China National Petroleum Corporation (CNPC)

Nine Energy Service, Inc.

Pyramid Oil Tools, LLC



2024.

China Petroleum & Chemical Corporation (Sinopec) Innovex Inc. NOV Inc. Klx Energy Services Inc. Expro Group Peak Completion Technologies, Inc. Market segment by region, regional analysis covers North America (United States, Canada and Mexico) Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe) Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia) South America (Brazil, Argentina, Colombia, and Rest of South America) Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa) The content of the study subjects, includes a total of 15 chapters: Chapter 1, to describe Dissolvable Metal Frac Plugs product scope, market overview, market estimation caveats and base year.

Chapter 3, the Dissolvable Metal Frac Plugs competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by

Chapter 2, to profile the top manufacturers of Dissolvable Metal Frac Plugs, with price, sales, revenue and global market share of Dissolvable Metal Frac Plugs from 2019 to



landscape contrast.

Chapter 4, the Dissolvable Metal Frac Plugs breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

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

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Dissolvable Metal Frac Plugs market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Dissolvable Metal Frac Plugs.

Chapter 14 and 15, to describe Dissolvable Metal Frac Plugs sales channel, distributors, customers, research findings and conclusion.



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