

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) FRP Pipe Market 2018, Forecast to 2023

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## Abstracts

Fibre-reinforced plastic (FRP) (also fibre-reinforced polymer) is a composite material made of a polymer matrix reinforced with fibres. The fibres are usually glass, carbon, aramid, or basalt. Rarely, other fibres such as paper or wood or asbestos have been used. The polymer is usually an epoxy, vinylester or polyester thermosetting plastic; and phenol formaldehyde resins are still in use.

### SCOPE OF THE REPORT:

This report focuses on the FRP Pipe in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Fiberglass Reinforced Pipes play an important role in industrial sector and there is an increasing for this product. FRP pipe is a non-metal product made through the continuous winding of fiberglass filament that is saturated in a proprietary formula of epoxy resin and curing agents and utilizing specialized winding and heat curing techniques. Epoxy resins have a particular molecular chain structure that provides a superior chemical bonding and curing system. Utilizing fiberglass as an integrated element these molecular features work together to form a 3-dimensional network of greater structural integrity in material strength, smoothness, corrosive resistance, porosity and capillary resistance, thermal and anti-conductivity features. It has many applications including Piping systems, tankers as well as vessels in many fields systems, FRP piping systems are available in a variety of standard diameters ranging from 25 to 1200 mm. Plasticon Composites offers FRP pipe and fittings to meet all national and international standards, depending on the area and application. Combining the strength of FRP and the chemical compatibility of plastics provides

customers with a superior alternative to costly metal alloys and rubber-lined steel. In addition, some companies, such as Plasticon Composites, manufacture and install thermoplastic lined FRP (dual laminate) pipes for aggressive products such as chlorine gas, hydrochloric acid, sodium hypochlorite and caustic soda. Plasticon Composites have combined various thermoplastic and fluoropolymer liners (PVC, C-PVC, PP, PE, PVDF, E-CTFE, FEP, PFA, MFA) with glass fibre reinforced polyester resins in order to provide customers with dual laminate piping systems for extremely hot and corrosive environments.

In the future, because of the development of new materials and techniques, the FRP pipes will become lighter and have more strong chemical resistance as well as more flexibility. Therefore Future FRP pipes can work in harsher environment for a relatively long time. This can make these pipes more functional and expand their markets.

The worldwide market for FRP Pipe is expected to grow at a CAGR of roughly 3.9% over the next five years, will reach 4120 million US\$ in 2023, from 3270 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Amiantit

Future Pipe Industries

HengRun Group

China National Building Material Company

National Oilwell Varco

Ershings

Sarplast

HOBAS

ZCL Composites Inc.

Fibrex

Enduro

Flowtite

Beetle Plastics

ECC Corrosion

Augusta Fiberglass

Hanwei Energy Services Corp.

FRP SYSTEMS

Composites USA

Plasticon Composites

Industrial Plastic Systems

AL-FLA Plastics

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Polyster FRP Pipe

Polyurethane FRP Pipe

Epoxy FRP Pipe

Others

Market Segment by Applications, can be divided into

Oil and gas

Chemical

Drainage

Other

There are 15 Chapters to deeply display the global FRP Pipe market.

Chapter 1, to describe FRP Pipe Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of FRP Pipe, with sales, revenue, and price of FRP Pipe, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of FRP Pipe, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, FRP Pipe market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe FRP Pipe sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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