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Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Environmentally Friendly GIS Tank-Type Lightning Arrester market size was valued at US$ 215 million in 2025 and is forecast to a readjusted size of US$ 365 million by 2032 with a CAGR of 8.0% during review period.

In 2025, global production of environmentally friendly GIS tank-type lightning arrester reached 35,790 units, with an average selling price of US$5,840 per unit. Environmentally friendly GIS tank-type lightning arresters are high-performance overvoltage protection devices specifically designed for use within gas-insulated switchgear systems. Through metal oxide varistors, they rapidly conduct, absorb energy, and limit voltage amplitude during instantaneous lightning strikes or operational overvoltages, protecting GIS, transformers, circuit breakers, cable terminals, and other critical electrical equipment from overvoltage damage. Environmentally friendly GIS tank-type surge arresters are directly installed inside a sealed tank filled with environmentally friendly mixed insulating gas (such as g?, N?/CO?), forming a gas chamber structure that is either in the same chamber as the main equipment or independent of it. They offer significant advantages such as small size, superior insulation performance, fast response speed, high reliability, and maintenance-free operation. They are mainly used in gas-insulated switchgear and mixed insulation systems in substations, power plants, industrial power distribution systems, subway traction power supply, high-rise buildings, and data centers. The upstream of the industry chain includes suppliers of zinc oxide powder, ceramic matrix, aluminum flanges, epoxy insulating components, and alternative insulating gases; the downstream customers are mainly power grid construction operators (State Grid, China Southern Power Grid, KEPCO, EDF, TenneT, etc.), large-scale power engineering EPC contractors, and high-end industrial power

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system users. Regarding gross profit margins, due to the complex manufacturing process and extremely high reliability requirements, manufacturers' gross profit margins are typically between 35% and 55%, with some high-voltage or ultra-high-voltage products even reaching 60%.

This report is a detailed and comprehensive analysis for global Environmentally Friendly GIS Tank-Type Lightning Arrester market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Environmentally Friendly GIS Tank-Type Lightning Arrester market size and forecasts, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Environmentally Friendly GIS Tank-Type Lightning Arrester market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Environmentally Friendly GIS Tank-Type Lightning Arrester market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Units), and average selling prices (US$/Unit), 2021-2032

Global Environmentally Friendly GIS Tank-Type Lightning Arrester market shares of main players, shipments in revenue ($ Million), sales quantity (Units), and ASP (US$/Unit), 2021-2026

The Primary Objectives in This Report Are:
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Environmentally Friendly GIS Tank-Type Lightning Arrester
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Environmentally Friendly GIS Tank-Type

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Lightning Arrester market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens Energy, Hitachi Energy, Jinguan Electric, CHINT Group, Ningbo Zhenhai Guochuang High-voltage Electric Apparatus, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Environmentally Friendly GIS Tank-Type Lightning Arrester market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Built-In Type

Independent Chamber Type

Modular Combination Type

Market segment by Voltage Level

Medium Voltage (40–145kV)

High Voltage (220–550kV)

Ultra-high Voltage (800–1100kV)

Market segment by Function

Transformer Protection Type

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Line Protection Type

Market segment by Application

Substation

Power Plant

Industrial Power Distribution System

Others

Major players covered

Siemens Energy

Hitachi Energy

Jinguan Electric

CHINT Group

Ningbo Zhenhai Guochuang High-voltage Electric Apparatus

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 Environmentally Friendly GIS Tank-Type Lightning Arrester product scope, market overview, market estimation caveats and base year.

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Chapter 2, to profile the top manufacturers of Environmentally Friendly GIS Tank-Type Lightning Arrester, with price, sales quantity, revenue, and global market share of Environmentally Friendly GIS Tank-Type Lightning Arrester from 2021 to 2026.

Chapter 3, the Environmentally Friendly GIS Tank-Type Lightning Arrester competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Environmentally Friendly GIS Tank-Type Lightning Arrester breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026.and Environmentally Friendly GIS Tank-Type Lightning Arrester market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Environmentally Friendly GIS Tank-Type Lightning Arrester.

Chapter 14 and 15, to describe Environmentally Friendly GIS Tank-Type Lightning Arrester sales channel, distributors, customers, research findings and conclusion.

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Table 101. Environmentally Friendly GIS Tank-Type Lightning Arrester Typical Customers

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