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# Global Environmentally Friendly GIS Tank-Type Lightning Arrester Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Environmentally Friendly GIS Tank-Type Lightning Arrester market size is expected to reach $ 365 million by 2032, rising at a market growth of 8.0% CAGR during the forecast period (2026-2032).

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 system users. Regarding gross profit margins, due to the complex manufacturing

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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 studies the global Environmentally Friendly GIS Tank-Type Lightning Arrester production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Environmentally Friendly GIS Tank-Type Lightning Arrester and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Environmentally Friendly GIS Tank-Type Lightning Arrester that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Environmentally Friendly GIS Tank-Type Lightning Arrester total production and demand, 2021-2032, (Units)

Global Environmentally Friendly GIS Tank-Type Lightning Arrester total production value, 2021-2032, (USD Million)

Global Environmentally Friendly GIS Tank-Type Lightning Arrester production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Environmentally Friendly GIS Tank-Type Lightning Arrester consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Environmentally Friendly GIS Tank-Type Lightning Arrester domestic production, consumption, key domestic manufacturers and share

Global Environmentally Friendly GIS Tank-Type Lightning Arrester production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Environmentally Friendly GIS Tank-Type Lightning Arrester production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

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Global Environmentally Friendly GIS Tank-Type Lightning Arrester production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Environmentally Friendly GIS Tank-Type Lightning Arrester market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Environmentally Friendly GIS Tank-Type Lightning Arrester market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

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India

Rest of World

Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market, Segmentation by Type:

Built-In Type

Independent Chamber Type

Modular Combination Type

Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market, Segmentation by Voltage Level:

Medium Voltage (40–145kV)

High Voltage (220–550kV)

Ultra-high Voltage (800–1100kV)

Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market, Segmentation by Function:

Transformer Protection Type

Line Protection Type

Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market, Segmentation by Application:

Substation

Power Plant

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Industrial Power Distribution System

Others

Companies Profiled:

Siemens Energy

Hitachi Energy

Jinguan Electric

CHINT Group

Ningbo Zhenhai Guochuang High-voltage Electric Apparatus

Key Questions Answered:
1. How big is the global Environmentally Friendly GIS Tank-Type Lightning Arrester market?
2. What is the demand of the global Environmentally Friendly GIS Tank-Type Lightning Arrester market?
3. What is the year over year growth of the global Environmentally Friendly GIS Tank-Type Lightning Arrester market?
4. What is the production and production value of the global Environmentally Friendly GIS Tank-Type Lightning Arrester market?
5. Who are the key producers in the global Environmentally Friendly GIS Tank-Type Lightning Arrester market?
6. What are the growth factors driving the market demand?

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## 9 COMPANY PROFILES

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