

Global Electric Irrigation Valve Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Electric Irrigation Valve market size is expected to reach \$ 2422 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

An electric irrigation valve is a key control component in irrigation systems used to regulate and switch the flow of water. It consists of a valve body, internal control element (plug or disc), an actuation mechanism driven by a solenoid coil or electric motor, and sealing assemblies. The typical appearance features an electric actuator mounted atop a flow passage valve body made of materials such as cast iron, brass, or engineering plastics to withstand diverse water quality and pressure conditions. Based on the actuation method, electric irrigation valves can be categorized into solenoid-driven, stepper motor-driven, and proportional control types; structurally, they include straight-through, angle-type, and ball valve designs. These valves are installed inline in above-ground or buried irrigation pipelines and integrated with controllers and sensors to form automatic irrigation control systems. Electric irrigation valves are widely used in agricultural field irrigation, landscape sprinkler systems, greenhouse precision irrigation, and water-saving agriculture solutions, enabling timed on/off control, flow regulation, and zonal distribution. They enhance water use efficiency, reduce manual operation costs, and increasingly support IoT integration for data connectivity, fault diagnostics, and remote management.

With the continued advancement of agricultural modernization, water-saving irrigation, and precision farming, the electric irrigation valve market is entering a stage of accelerated upgrading. Development opportunities mainly come from three directions. First, improving agricultural water-use efficiency has become a rigid demand. More farms, greenhouses, orchards, nurseries, and landscape projects need automatic opening and closing, zone control, scheduled irrigation, and pressure management to

reduce water waste. Second, irrigation procurement is shifting from individual equipment purchases to integrated automation solutions. As the core component for water-flow control, electric valves are increasingly being integrated with controllers, sensors, filters, fertigation units, pump stations, and remote platforms. Third, the expansion of emerging agricultural markets and protected cultivation is creating incremental demand. In regions facing rising labor costs, tighter water constraints, and larger-scale farm operations, products with stable actuation, low power consumption, corrosion resistance, sediment tolerance, and remote-control capability are more likely to gain customer acceptance. Future competition will not focus only on valve price, but also on reliability under different water qualities, pressure levels, climates, and long-term operating conditions, as well as the ability to reduce maintenance frequency, cut leakage losses, and improve total irrigation-system efficiency. Market challenges, risks, and restraints are mainly concentrated in product reliability, cost control, and complex application environments. Electric irrigation valves operate for long periods under humidity, sediment, fertilizers, pesticides, ultraviolet exposure, temperature fluctuations, and pressure variation. Aging seals, motor failure, water ingress into actuators, valve-core blockage, damaged wiring, and unstable control signals can directly affect user experience. Once a valve fails, it may cause localized water shortage, over-irrigation, crop damage, or pump-station abnormalities, so downstream customers have high expectations for stability and after-sales response. At the same time, high-performance products require corrosion-resistant materials, precision machining, electrical protection, low-power design, and control algorithms, which raise manufacturing costs. In the low- and mid-end market, strong price competition can compress margins. In some regions, unstable power supply, insufficient wireless network coverage, and limited technical capability among farmers can also slow the adoption of smart valves. In addition, if valve specifications, interfaces, pressure ratings, and control protocols are not compatible with existing irrigation systems, installation and retrofit costs will rise, affecting purchasing decisions. Downstream demand is moving clearly toward intelligence, durability, system integration, and application-specific solutions. Large farms focus more on remote zone control, batch management, low failure rates, and linkage with pump stations, so that labor inspection and water-fertilizer scheduling costs can be reduced. Greenhouses, seedling production, and high-value crop scenarios place greater emphasis on control accuracy, response speed, and linkage with sensor data, because irrigation errors directly affect crop uniformity and commercial quality. Landscape irrigation, municipal greening, and golf courses pay more attention to water saving, low maintenance, concealed installation, and long-term stable operation. As users shift from simply “controlling water flow” to “proving water savings and yield benefits,” electric irrigation valves will increasingly be included in smart irrigation platforms, taking on functions such as data collection, status feedback, fault warning,

and automatic scheduling. More competitive products will feature low leakage, low energy consumption, strong sealing, waterproof and dustproof protection, corrosion resistance, easy maintenance, and compatibility with multiple control systems. Overall, downstream demand will no longer pursue only the lowest unit price, but will place greater value on life-cycle cost, system stability, and agricultural production returns, pushing the industry toward higher quality, intelligence, and service-oriented competition.

This report studies the global Electric Irrigation Valve production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Electric Irrigation Valve 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 Electric Irrigation Valve that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Electric Irrigation Valve total production and demand, 2021-2032, (K Units)

Global Electric Irrigation Valve total production value, 2021-2032, (USD Million)

Global Electric Irrigation Valve production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Electric Irrigation Valve consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Electric Irrigation Valve domestic production, consumption, key domestic manufacturers and share

Global Electric Irrigation Valve production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Electric Irrigation Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Electric Irrigation Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Electric Irrigation Valve 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 CEPEX S.A. / Cepex, Rivulis Irrigation, RAIN S.p.A., VYR S.A., Hydroconta, BERMAD, Tecnidro Srl, Nelson Irrigation Corporation, Ningbo Irririch Water-Saving Technology Co., Ltd., Chinadrip Irrigation Equipment

(Xiamen) Co., Ltd., 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 Electric Irrigation Valve market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K 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 Electric Irrigation Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Electric Irrigation Valve Market, Segmentation by Type:

Double Pass

Three Pass

Others

Global Electric Irrigation Valve Market, Segmentation by Manufacturing Process:

Solenoid Operated Valve

Motorized Valve

Proportional Control Valve

Manual Override Valve

Global Electric Irrigation Valve Market, Segmentation by Material:

Brass

Stainless Steel

PVC / Plastic

Composite Materials

Global Electric Irrigation Valve Market, Segmentation by Delivery Method:

Inline Installation

Buried Installation

Above-Ground Installation

Portable / Modular

Global Electric Irrigation Valve Market, Segmentation by Application:

Agriculture

Industrial

Others

Companies Profiled:

CEPEX S.A. / Cepex

Rivulis Irrigation

RAIN S.p.A.

VYR S.A.

Hidroconta

BERMAD

Tecnidro Srl

Nelson Irrigation Corporation

Ningbo Irririch Water-Saving Technology Co., Ltd.

Chinadrip Irrigation Equipment (Xiamen) Co., Ltd.

Baoding Mingwang Irrigation Equipment Co., LTD

Lingxing Irrigation Technology (Ningbo) Co., Ltd.

Key Questions Answered:

1. How big is the global Electric Irrigation Valve market?
2. What is the demand of the global Electric Irrigation Valve market?
3. What is the year over year growth of the global Electric Irrigation Valve market?
4. What is the production and production value of the global Electric Irrigation Valve

market?

5. Who are the key producers in the global Electric Irrigation Valve market?

6. What are the growth factors driving the market demand?

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