

# Global Metal Direct-operated Solenoid Valve Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Metal Direct-operated Solenoid Valve market size is expected to reach \$ 616 million by 2032, rising at a market growth of 3.7% CAGR during the forecast period (2026-2032).

In 2025, global sales volume of metal direct-operated solenoid valves is estimated at approximately 15,800,000 units, with an average selling price of around USD 28 per unit. A metal direct-operated solenoid valve is a basic fluid control component that uses a metal valve body (typically brass, stainless steel, or aluminum alloy) and direct electromagnetic actuation to control on/off switching. It operates without relying on media pressure, offering fast response, compact structure, relatively high reliability, and broad application conditions, making it a widely used fundamental valve type in industrial fluid control systems.

From a market structure perspective, metal direct-operated solenoid valves represent a mainstream and widely adopted segment within the basic solenoid valve market, with demand closely tied to industrial automation levels and installed base of general equipment. Compared with plastic valve bodies, metal variants offer advantages in strength, pressure resistance, and environmental adaptability, resulting in higher penetration in industrial applications, although at higher material and manufacturing costs. Industry barriers are generally low to moderate, with competition primarily focused on cost control, sealing reliability, service life consistency, and large-scale manufacturing capability. The market is highly fragmented, with intense competition in the low-to-mid end, while certain technical stratification remains in high-reliability and special operating conditions such as high temperature and high pressure environments.

This report studies the global Metal Direct-operated Solenoid Valve production,

demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal Direct-operated Solenoid 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 Metal Direct-operated Solenoid Valve that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Metal Direct-operated Solenoid Valve total production and demand, 2021-2032, (Units)

Global Metal Direct-operated Solenoid Valve total production value, 2021-2032, (USD Million)

Global Metal Direct-operated Solenoid Valve production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Metal Direct-operated Solenoid Valve consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Metal Direct-operated Solenoid Valve domestic production, consumption, key domestic manufacturers and share

Global Metal Direct-operated Solenoid Valve production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Metal Direct-operated Solenoid Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Metal Direct-operated Solenoid Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Metal Direct-operated Solenoid 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 Emerson, Magnet Schultz, Westport Fuel Systems, OMB SALERI, Bitron, ETO GRUPPE, IMI Norgren, B?rkert, EKK Eagle, Hamai Industries, 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 Metal Direct-operated Solenoid Valve 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 Metal Direct-operated Solenoid Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Metal Direct-operated Solenoid Valve Market, Segmentation by Type:

2-way

3-way

4-way

5-way

### Global Metal Direct-operated Solenoid Valve Market, Segmentation by Function:

Normally Open Solenoid Valve

Normally Closed Solenoid Valve

### Global Metal Direct-operated Solenoid Valve Market, Segmentation by Pressure Rating:

Low-pressure Valves

Medium-pressure Valves

High-pressure Valves

### Global Metal Direct-operated Solenoid Valve Market, Segmentation by Application:

Water

Gas

Oil

Fuel

Other

### Companies Profiled:

Emerson

Magnet Schultze

Westport Fuel Systems

OMB SALERI

Bitron

ETO GRUPPE

IMI Norgren

B?rkert

EKK Eagle

Hamai Industries

Parker Hannifin

Eugen Seitz

Magnetbau Schramme

Bosch

Nova Swiss

Metatron

TAKANO

Clark Cooper

M?ller co-ax

Zhejiang Hongsheng Auto

Clippard

Jaksa

GSR Ventiltechnik

**Key Questions Answered:**

1. How big is the global Metal Direct-operated Solenoid Valve market?
2. What is the demand of the global Metal Direct-operated Solenoid Valve market?
3. What is the year over year growth of the global Metal Direct-operated Solenoid Valve market?
4. What is the production and production value of the global Metal Direct-operated Solenoid Valve market?
5. Who are the key producers in the global Metal Direct-operated Solenoid Valve market?
6. What are the growth factors driving the market demand?

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