

Global Pilot-operated Air Solenoid Valve 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 Pilot-operated Air Solenoid Valve market size was valued at US\$ 836 million in 2025 and is forecast to a readjusted size of US\$ 1321 million by 2032 with a CAGR of 7.0% during review period.

A pilot-operated air solenoid valve is a pneumatic control component featuring a two-stage 'pilot valve + main valve' structure. It uses low-power electromagnetic force to actuate the pilot spool, which then utilizes the pressure differential of compressed air itself to drive the main valve for large-flow switching or shut-off. This design enables fast, precise control of high-pressure (1.6-6.4 MPa), large-bore (DN15-DN150) air flow with low power consumption (typically below 5W) and response times typically ranging from 50 to 200 milliseconds. These valves are widely used in industrial automation lines, compressor control systems, pneumatic actuators, filling equipment, and HVAC piping systems, requiring dust and water protection ratings up to IP65 to meet demanding operating conditions. In 2025, the global market size for Pilot-operated Air Solenoid Valves is approximately US\$ 812.5 million, with an annual sales volume of about 285 million units. The projected CAGR for the next five years is 7.28%, with an annual sales volume of about 285 million units. The projected CAGR for the next five years is 7.228.5 per unit, with a single production line capacity of 2-3 million units per year, and the industry's gross margin is generally around 28%.

This report is a detailed and comprehensive analysis for global Pilot-operated Air Solenoid Valve 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 Pilot-operated Air Solenoid Valve market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Pilot-operated Air Solenoid Valve market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global Pilot-operated Air Solenoid Valve 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 Pilot-operated Air Solenoid Valve 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 Pilot-operated Air Solenoid Valve
- 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 Pilot-operated Air Solenoid Valve 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 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.

Market Segmentation

Pilot-operated Air Solenoid Valve 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

Normally Closed (NC) Solenoid Valve

Normally Open (NO) Solenoid Valve

Market segment by Ambient Temperature Grade

-10~80°C

>80°C

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