

Global Flexible Bag Packaging One-way Degassing Valves Market Growth 2026-2032

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Abstracts

The global Flexible Bag Packaging One-way Degassing Valves market size is predicted to grow from US\$ 181 million in 2025 to US\$ 234 million in 2032; it is expected to grow at a CAGR of 3.9% from 2026 to 2032.

In 2024, global Flexible Bag Packaging One-way Degassing Valves reached approximately 5,629.51 M Units, with an average global market price of around 32.02 USD per K Units.

Flexible Bag Packaging One-way Degassing Valves are miniature unidirectional airflow devices integrated into the surface of various flexible packaging bags. They are specifically designed to solve the problem of bag bloating caused by gas accumulation inside sealed flexible packaging, while simultaneously addressing the dual needs of preserving the contents and protecting the packaging structure.

Their core operating logic relies on the pressure-sensing characteristics of a flexible diaphragm or spring structure within the valve body to achieve unidirectional airflow control: when gas is generated inside the flexible packaging due to fermentation, respiration, or chemical reactions of the contents (such as carbon dioxide released from coffee beans or methane produced during food fermentation), and the internal pressure rises to a preset threshold, the valve automatically opens, expelling excess gas and preventing the bag from expanding, deforming, or even rupturing. Once the internal pressure returns to equilibrium, the valve closes, effectively preventing external air, moisture, and impurities from entering the bag, thus delaying oxidation, spoilage, and mold growth of the contents, ensuring product quality and shelf life.

Flexible Bag Packaging One-way Degassing Valves are typically made of food-grade

plastics, silicone, and other materials. They are compact and easy to heat-seal or adhere to the surface of flexible packaging such as aluminum foil bags, kraft paper bags, and composite film bags. They are widely used in the packaging of products that require airtight preservation and are prone to gas generation, such as coffee, nuts, pet food, and fermented foods. They are a key functional accessory for upgrading flexible packaging.

The growing popularity of specialty coffee culture has led to increasingly stringent demands from consumers regarding flavor freshness. The carbon dioxide continuously released from roasted coffee beans makes Flexible Bag Packaging One-way Degassing Valves a "flavor guardian" that locks in aroma and prevents bloating. From chain brands to independent roasters, they are all adopting it as a standard packaging element to build a quality barrier. The dual waves of global coffee consumption upgrading and packaging technology innovation have injected strong growth momentum into Flexible Bag Packaging One-way Degassing Valves.

The upstream raw materials for Flexible Bag Packaging One-way Degassing Valves mainly include PE, PP plastics, and silicone oil. Typical suppliers include Dow Chemical, Exxon Mobil Corporation, LyondellBasell, and SABIC. Downstream applications are primarily in the packaging of products such as coffee and fermented foods. Typical customers include Dutch Coffee Pack, Best Coffeebags Design, Tedpack, Roastar, and HIBAGS Co., Ltd. The single-line capacity of Flexible Bag Packaging One-way Degassing Valves depends on the automation level of the production line, as well as the manufacturer's technical strength and equipment configuration, resulting in significant differences. Daily capacity ranges from tens of thousands to hundreds of thousands of units, with industry gross margins in the range of 20%-30%.

Flexible Bag Packaging One-way Degassing Valves, especially those used in coffee packaging, are now recognized as a fundamental innovation in preserving roasted coffee freshness and quality. After roasting, coffee beans continue to emit carbon dioxide (CO₂), which, if trapped, can cause packaging to swell or deform. Degassing valves allow these gases to escape while blocking oxygen and moisture from entering, which helps protect the coffee's aroma, flavor, and overall sensory profile throughout storage and transport. Their simple yet effective one-way mechanism has made them indispensable in specialty coffee packaging and a key part of modified atmosphere and high-barrier packaging practices in the industry.

Regionally, the North American market, leveraging its mature coffee consumption

system and large-scale chain brand layout, has a strong demand for the stability and adaptability of degassing valves. Local companies in North America have a significant advantage in standardized production and supply chain integration. Europe, on the other hand, focuses on technological innovation as its core competitiveness, leading in high-end areas such as low leakage rates and environmentally friendly materials through precision manufacturing processes. Its products serve both the long-standing local coffee culture and capture a share of the global high-end market through technology export. The Asia-Pacific region has emerged as a core of global growth. China, with its massive increase in coffee consumption and the wave of domestic substitution, is driving technological breakthroughs and capacity upgrades for its local companies. Demand for degassing valves in key global coffee bean producing countries such as Vietnam and South America is gradually increasing, demonstrating considerable development potential. According to our data, in 2024, Europe held the largest market share of Flexible Bag Packaging One-way Degassing Valves globally at 39.80%, followed by North America and Asia-Pacific, with market shares of 31.72% and 18.88%.

In terms of manufacturers, the major global manufacturers of Flexible Bag Packaging One-way Degassing Valves include CCL Industries, Goglio S.p.A., Syntegon, Plitek, Wipf, Aroma System, Guangzhou Cheers, Packing, Woin, and Taiwan Dongyi, etc. According to our data, the top 5 companies accounted for more than 70% of the global market share in 2024.

The synergistic effect of multiple factors has injected sustained growth momentum into the Flexible Bag Packaging One-way Degassing Valves industry. The global popularization of specialty coffee culture has reshaped market demand; consumers' high demands for flavor freshness have transformed degassing valves from 'optional accessories' into 'standard features' in mid-to-high-end coffee packaging. Furthermore, the explosive growth of new categories such as ready-to-drink coffee and cold brew has further spurred demand for customized degassing solutions. In the future, the Flexible Bag Packaging One-way Degassing Valves industry will experience a dual leap in quality and value, and its market potential is promising.

LP Information, Inc. (LPI) ' newest research report, the 'Flexible Bag Packaging One-way Degassing Valves Industry Forecast' looks at past sales and reviews total world Flexible Bag Packaging One-way Degassing Valves sales in 2025, providing a comprehensive analysis by region and market sector of projected Flexible Bag Packaging One-way Degassing Valves sales for 2026 through 2032. With Flexible Bag Packaging One-way Degassing Valves sales broken down by region, market sector and

sub-sector, this report provides a detailed analysis in US\$ millions of the world Flexible Bag Packaging One-way Degassing Valves industry.

This Insight Report provides a comprehensive analysis of the global Flexible Bag Packaging One-way Degassing Valves landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Flexible Bag Packaging One-way Degassing Valves portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Flexible Bag Packaging One-way Degassing Valves market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Flexible Bag Packaging One-way Degassing Valves and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Flexible Bag Packaging One-way Degassing Valves.

This report presents a comprehensive overview, market shares, and growth opportunities of Flexible Bag Packaging One-way Degassing Valves market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Button Type

Patch Type

Segmentation by Shape:

Round Type

Square Type

Segmentation by Function:

With Filter

Without Filter

Segmentation by Application:

Coffee Packaging

Fermented Food

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

CCL Industries

Goglio S.p.A.

Syntegon

Plitek

Wipf

Aroma System

Guangzhou Cheers Packing

Wojin Plastic Product Factory

Tungyi Hardware

Shantou Mandun Plastic

Sdwinner

sdyao ming

Key Questions Addressed in this Report

What is the 10-year outlook for the global Flexible Bag Packaging One-way Degassing Valves market?

What factors are driving Flexible Bag Packaging One-way Degassing Valves market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Flexible Bag Packaging One-way Degassing Valves market opportunities vary by end market size?

How does Flexible Bag Packaging One-way Degassing Valves break out by Type, by Application?

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