

# Global Thermoplastic Check Valve Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Thermoplastic Check Valve market size is expected to reach \$ 445 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global sales of thermoplastic check valves reached 1,928,000 units, with an average price of \$148 per unit.

Thermoplastic check valves are automatic valves that use thermoplastic plastics (such as PVC-U, CPVC, PP, PVDF, PTFE, etc.) as the main valve body material. They automatically open and close the valve disc (or ball core, butterfly plate) using the pressure of the flowing medium itself, achieving unidirectional flow and preventing backflow. They are widely used in corrosive fluids, water treatment, and industrial fields with high hygiene requirements.

The raw materials for thermoplastic check valves are mainly thermoplastic valve bodies (PVC-U/CPVC/PP accounting for 40-60%, PVDF is used for high-end and highly corrosive applications). The opening and closing mechanism includes a solid plastic ball (CPVC/PVDF), a hinged disc (PTFE or the same plastic) or a spring-loaded disc (the spring is usually SS316 stainless steel), and sealing materials (EPDM, FKM/Viton or PTFE gaskets, accounting for 10-15% of the cost). The connection method determines the amount of metal inserts used. Threaded/socket types only require a small number of stainless steel fasteners, while flange types require a metal flange skeleton for reinforcement. The cost structure exhibits a significant material tiering characteristic: general-purpose PVC/PP check valves, due to the low price of raw materials (PVC approximately \$1-2/kg) and the ability to be efficiently injection molded, have a total cost that is only 30-50% of that of metal (stainless steel) valves of the same specifications. High-performance PVDF check valves, however, due to the higher unit price of

materials (\$15-30/kg) and the need for precision machining, have a cost approaching that of stainless steel valves. Despite this, they command a premium in the semiconductor and chemical industries due to their superior chemical resistance (withstanding strong corrosive media such as concentrated sulfuric acid, hydrofluoric acid, and halogens), and are typically 3-5 times more expensive than PVC/PP valves. Furthermore, spring-loaded check valves, due to the added metal spring and precision valve seat machining, cost 20-30% more than ball/swing check valves, but offer the added value of installation in any position and water hammer protection.

This report studies the global Thermoplastic Check Valve production, demand, key manufacturers, and key regions.

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

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

Global Thermoplastic Check Valve total production and demand, 2021-2032, (Units)

Global Thermoplastic Check Valve total production value, 2021-2032, (USD Million)

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

Global Thermoplastic Check Valve consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Thermoplastic Check Valve domestic production, consumption, key domestic manufacturers and share

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

Global Thermoplastic Check Valve production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Thermoplastic Check Valve production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Thermoplastic Check 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, GEMU, Asahi Yukizai, Georg Fischer, Hayward Flow Control, Sekisui, SAFI, Aliaxis, Hershey Valve, Galassi and Ortolani, 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 Thermoplastic Check 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 Thermoplastic Check Valve Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Thermoplastic Check Valve Market, Segmentation by Type:

PVC

PP

PVDF

Others

#### Global Thermoplastic Check Valve Market, Segmentation by Working Principle:

Ball Check Valve

Swing Check Valve

Spring Check Valve

Lift Check Valve

Other

#### Global Thermoplastic Check Valve Market, Segmentation by End Connection Methods:

Threaded Connection

Socket Connection

Joint Connection

Flanged Connection

#### Global Thermoplastic Check Valve Market, Segmentation by Application:

Chemical Industry

Water Treatment & Environmental Protection

Semiconductor & Electronics

Pharmaceutical & Food & Beverage

Other

Companies Profiled:

Cepex

GEMU

Asahi Yukizai

Georg Fischer

Hayward Flow Control

Sekisui

SAFI

Aliaxis

Hershey Valve

Galassi and Ortolani

PureValve

Ningbo Baodi

Shie Yu Machine Parts

UNP Polyvalves

Dinesh Plastic Products

Stubbe GmbH

Nibco

## Dwyer Instruments

### **Key Questions Answered:**

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

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