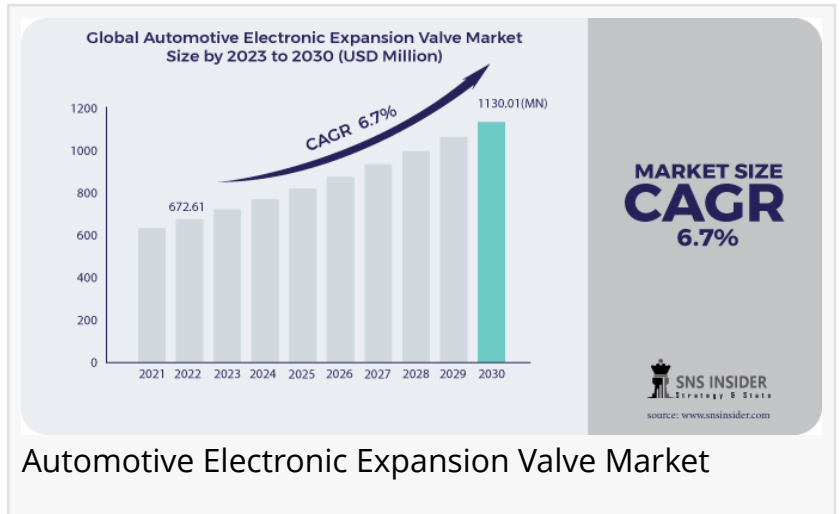


Automotive Electronic Expansion Valve Market Size to Reach USD 1130.01 Million by 2030 | Exclusive Report by SNS Insider

Automotive Electronic Expansion Valve Market Size, Share And Segmentation By Type, By Application, By Regions And Global Market Forecast 2023-2030

AUSTIN, TEXAS, UNITED STATES,
January 11, 2024 /EINPresswire.com/ --
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[Automotive Electronic Expansion Valve Market](#) Size was valued at USD 672.61 million in 2022 and is expected to reach USD 1130.01 million by 2030 and grow at a CAGR of 6.7% over the forecast period 2023-2030. The high demand for electric vehicles all around the world is pushing the market to grow.



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Automotive electronic expansion valve market is anticipated to reach USD 1130.01 million by 2030 with a 6.7% CAGR By 2023–2030, Due to the adoption of the vehicle electronic expansion valve.”

Sr. Researcher Roshan Rathod

According to SNS Insider, the expanding demand for electric vehicles (EVs) and hybrid vehicles is a key driver for the Automotive EEV market, as these vehicles rely heavily on advanced climate control systems for optimal performance.

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The automotive industry is in the midst of a transformative era, and one of the key components driving innovation is

the Automotive Electronic Expansion Valve (EEV) market. These valves, traditionally associated with air conditioning and refrigeration systems, are now making significant inroads into the automotive sector, promising improved efficiency, enhanced comfort, and a more sustainable

driving experience.

The Automotive Electronic Expansion Valve market is gaining momentum as automakers prioritize advanced climate control systems to meet consumer demands for personalized and efficient temperature management within vehicles. Unlike traditional mechanical expansion valves, EEVs utilize electronic control mechanisms, allowing for precise modulation of refrigerant flow. This fine-tuned control not only optimizes the performance of air conditioning systems but also contributes to fuel efficiency by reducing the load on the compressor.

Key Market Drivers:

The increasing consumer preference for comfort and luxury features in automobiles further amplifies the market scope, positioning Automotive EEVs as indispensable components for ensuring efficient and intelligent thermal management within vehicles. As automotive manufacturers strive to meet stringent environmental regulations and cater to the evolving consumer preferences, the Automotive Electronic Expansion Valve Market is poised to play a pivotal role in shaping the future of automotive HVAC systems.

Market Challenges and Opportunities:

The growing focus on electric vehicles is influencing the development of electronic expansion valves compatible with electric and hybrid drivetrains. The industry is also witnessing collaborations between automotive manufacturers and electronic component suppliers to ensure seamless integration of electronic expansion valves into next-generation vehicles. As the automotive sector continues to evolve, the electronic expansion valve market is poised for sustained growth, driven by the quest for energy-efficient and environmentally friendly automotive solutions.

Market Segmentation:

The market is distinctly characterized by three primary valve types, each orchestrating a symphony of efficiency and precision in automotive air conditioning systems. The first cadence is led by the PWM (Pulse Width Modulation) electronic expansion valves, renowned for their ability to regulate refrigerant flow with unparalleled accuracy, optimizing system performance. Following suit is the equally impactful step-motor-driven electronic expansion valves, conducting a harmonious balance between responsiveness and energy conservation.

Key Players:

- Electric
- Electromagnetic

Future Outlook:

- Commercial Vehicles
- Passenger Cars

Key Market Players:

Castel, VOLGA, Parker, Emerson, Fujikoki, CAREL INDUSTRIES, SANHUA, Saginomiya, Emerson, DunAn, and Danfoss Group are some of the prominent players in the Automotive Electronic Expansion Valve Market.

Regional Market Analysis:

With key economies such as China, Japan, South Korea, and India at the forefront, the APAC region is witnessing a rapid adoption of electronic expansion valves in automobiles, driven by the demand for energy-efficient and environmentally friendly solutions. The robust growth in the automotive sector, coupled with a rising awareness of sustainable practices, propels the market forward. Moreover, the region's commitment to electric vehicles and smart technologies further amplifies the significance of electronic expansion valves, positioning APAC as a focal point for innovation and market expansion in the automotive sector.

Key Market Trends:

- The market is witnessing a surge in demand for smart and adaptive valve technologies, allowing real-time adjustments based on varying driving conditions and environmental factors. Such innovations not only optimize thermal comfort within vehicles but also align with the broader industry push towards sustainability and energy conservation.
- The growing emphasis on connectivity and IoT in automobiles has spurred the development of intelligent electronic expansion valves, fostering seamless communication between various vehicle components.

For more information, visit: <https://www.snsinsider.com/checkout/1546>

Key Market Drivers:

- Renowned companies have prioritized innovation to enhance efficiency, reduce energy consumption, and augment overall performance. Notably, advancements in electronic valve technologies have gained prominence, with key players introducing sophisticated solutions that integrate seamlessly with modern automotive systems.
- These developments emphasize a shift toward smart and adaptive electronic expansion valves, enabling precise control of refrigerant flow in automotive air conditioning and heating systems. Collaborations between major players and technology firms have also accelerated the pace of innovation, fostering a synergistic approach to address emerging challenges and capitalize on evolving market demands.

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1.1 Market Definition

1.2 Scope

1.3 Research Assumptions

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3.1 Drivers

3.2 Restraints

3.3 Opportunities

3.4 Challenges

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4.1 COVID-19 Impact Analysis

4.2 Impact of Ukraine- Russia war

4.3 Impact of ongoing Recession

4.3.1 Introduction

4.3.2 Impact on major economies

4.3.2.1 US

4.3.2.2 Canada

4.3.2.3 Germany

4.3.2.4 France

4.3.2.5 United Kingdom

4.3.2.6 China

4.3.2.7 Japan

4.3.2.8 South Korea

4.3.2.9 Rest of the World

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8.1 Electric

8.2 Electromagnetic

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9.1 Commercial Vehicles

9.2 Passenger Cars

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12.1 Competitive Benchmarking

12.2 Market Share analysis

12.3 Recent Developments

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