

EcoVap : Advancing Sustainability in Automotive Systems with Innovative Vapor Canister Technology

Rising air pollution, high fuel prices and stringent regional government regulation pertaining to emission are driving the global vapor canister market.

OREGAON, PORTLAND, UNITED STATES , May 26, 2023

/EINPresswire.com/ -- Automobile vapor canisters are components of the Evaporative Emission Control System (EVAP), filled with carbon or other materials. The primary function of the steam tank is to absorb unwanted pollutants from the fuel and supply the filtered fuel to the carburetor to ensure efficient engine operation and reduce emissions after fuel combustion.



On a global scale, due to urbanization, industrialization and increased disposable income, the number of cars around the world has increased substantially. This factor has led to an increase in air pollution and an increase in carbon dioxide emissions from vehicles. The vapor canister reduces the rate of fuel emissions, which helps curb air pollution.

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- Rising air pollution, high fuel prices and stringent regional government regulation pertaining to emission are driving the global [vapor canister market](#).
- Growing adoption of electric vehicles and increasing price of gasoline is a major factor restraining the growth of the global vapor canister market.
- Rapid industrialization and urbanization are creating new opportunities for the players operating in the global vapor canister market.

Continental announced details of its new active purification pump (APP) technology, which the

Tier 1 supplier sees as a new solution to meet the strictest global hydrocarbon evaporation regulations. Modern gasoline vehicles use canisters filled with activated carbon to collect all the gasoline vapors in the fuel tank. Charcoal canisters with accumulated hydrocarbons (HC) should be washed or disposed of from time to time. The HC-rich air is sent to the intake manifold and flows into the combustion chamber where it is burned.

The system reduces evaporative HC emissions. The active cleaning pump (APP) does not rely on the vacuum. Instead, it will actively draw the charged HC air out of the tank. The pump used for this operation is a very compact and lightweight radial-pump driven by a high-efficiency brushless DC motor. The biggest benefit of this APP is that we can use it on demand and activate it whenever we need it, which makes this APP very suitable for turbocharged engines that run more frequently under higher loads, engines without throttle, start, stop, and hybrid power. The power system that the engine shuts down for a long time. Therefore, it supports the trend toward higher-level system integration, and it can flexibly combine the functional content required by APP from hardware and software components.

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- This study presents the analytical depiction of the vapor canisters industry along with the current trends and future estimations to determine the imminent investment pockets.
- The report presents information related to key drivers, restraints, and opportunities along with challenges of vapor canisters market.
- The current market is quantitatively analyzed to highlight the vapor canisters market growth scenario.
- The report provides a detailed vapor canister market analysis based on competitive intensity and how the competition will take shape in coming years.

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- Dorman,
- ACDelco,
- Motorcraft,
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