+357 96 030922
info@marketpublishers.com

Automotive Fluid Transfer System Market - Global Industry Size, Share, Trends, Opportunity and Forecast, Segmented By Vehicle Type (Passenger Car, Light Commercial Vehicle, Medium and Heavy Commercial Vehicle, OTR) By Equipment Type (Air Suspension Lines, Fuel Lines, Brake Lines, AC Lines, Diesel Particulate Filter Lines, Selective Catalytic Reduction Lines, Transmission Oil Cooling Lines, Turbo Coolant Lines, Engine Cooling Lines, Air Brake Lines) By Type (Hoses, Tubing) By Material (Nylon, Stainless Steel, Aluminum, Steel, Rubber, Others) By Propulsion (ICE, BEV, PHEV, FCEV) By Region & Competition, 2021-2031F

https://marketpublishers.com/r/A64577E2231AEN.html
Date: May 2026
Pages: 182
Price: US$ 4,500.00 (Single User License)
ID: A64577E2231AEN

Abstracts

The Global Automotive Fluid Transfer System Market is anticipated to expand from USD 26.85 Billion in 2025 to USD 34.27 Billion by 2031, showing a compound annual growth rate of 4.15%. This market involves the engineering and assembly of critical components like hoses, tubes, and pipes, which facilitate the movement of essential fluids such as fuel, oil, coolants, and brake fluid within vehicles. Its growth is largely propelled by the consistent increase in global automobile manufacturing volumes, which totaled 92.5 million units in 2024, alongside the rising complexity of thermal management systems in electric vehicles that require extensive cooling lines.

Market Driver

+357 96 030922
info@marketpublishers.com

The automotive sector's rapid electrification is a fundamental market driver, creating demand for intricate battery thermal management systems in electric vehicles. Unlike internal combustion engines, EVs necessitate sophisticated multi-loop thermal regulation circuits to maintain optimal operating temperatures for battery packs, electric motors, and power electronics. This shift mandates the development of specialized, lightweight fluid lines capable of handling dielectric fluids and resisting electrochemical degradation, thereby increasing per-vehicle content; for instance, new energy vehicle sales reached 16.49 million units in 2025. Additionally, stringent global emission standards and fuel efficiency mandates compel OEMs to integrate complex engine technologies, including turbocharging and Selective Catalytic Reduction (SCR), which require robust fluid transfer assemblies capable of withstanding higher pressures, extreme temperatures, and aggressive fluids like urea solutions. This regulatory pressure also accelerates the adoption of hybrid powertrains, effectively doubling plumbing complexity, with hybrid van registrations increasing by 15.1 percent in the first three quarters of 2025. Major suppliers like TI Fluid Systems, reporting €3.36 billion in revenue for 2024, are adapting to these evolving needs.

Market Challenge

A primary impediment to the Global Automotive Fluid Transfer System Market's expansion and stability is the volatile nature of raw material prices. Manufacturers heavily rely on commodities such as natural rubber for key components like fuel hoses, coolant pipes, and brake lines. Aggressive fluctuations in input costs disrupt established cost structures for suppliers, who often operate under long-term, fixed-price contracts with OEMs, leading to eroded profit margins and financial uncertainty. This instability discourages the vital capital investment necessary for expanding production or developing advanced thermal management technologies. The market is particularly affected by persistent supply-demand mismatches, as evidenced by a projected 0.3 percent increase in global natural rubber production in 2025 (14.9 million metric tons) versus an anticipated 1.8 percent growth in demand (15.6 million tons). This deficit exerts sustained upward pressure on procurement costs, forcing companies to allocate financial resources to operational expenses rather than growth initiatives, consequently slowing overall market development.

Market Trends

A key market trend is the development of integrated fluid management modules, which represent a significant move towards reducing assembly complexity and optimizing

+357 96 030922
info@marketpublishers.com

space in modern vehicle designs. Especially relevant for electric vehicles' intricate multi-loop cooling circuits, this trend involves consolidating pumps, valves, and reservoirs into unified, compact manifolds. This modular approach minimizes fluid connections, thereby reducing potential leak paths and streamlining the manufacturing process for OEMs, as demonstrated by Cooper Standard's eCoFlow Switch Pump, a technology combining an electric water pump and valve into a single coolant control module. Concurrently, the utilization of bio-based and sustainable materials is gaining momentum as manufacturers aim to reduce Scope 3 emissions and meet stringent decarbonization targets. This involves replacing traditional high-carbon fossil-based rubber and plastics with advanced bio-sourced or recycled thermoplastics that offer comparable mechanical resilience with a significantly lower environmental impact; for instance, TI Fluid Systems' use of polypropylene in Integrated Thermal Manifolds reduces the carbon footprint by 50 percent compared to conventional polyamide solutions.

Key Market Players

Cooper?Standard Automotive Inc.

TI Fluid Systems plc

Sumitomo Riko Company Limited

Parker Hannifin Corporation

Gates Corporation

AKWEL S.A.

Kongsberg Automotive ASA

Continental AG

Hutchinson S.A.

Graco Inc.

Report Scope

+357 96 030922
info@marketpublishers.com

In this report, the Global Automotive Fluid Transfer System Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Fluid Transfer System Market, By Vehicle Type

Passenger Car

Light Commercial Vehicle

Medium and Heavy Commercial Vehicle

OTR

Automotive Fluid Transfer System Market, By Equipment Type

Air Suspension Lines

Fuel Lines

Brake Lines

AC Lines

Diesel Particulate Filter Lines

Selective Catalytic Reduction Lines

Transmission Oil Cooling Lines

Turbo Coolant Lines

Engine Cooling Lines

Air Brake Lines

Automotive Fluid Transfer System Market, By Type

Hoses

+357 96 030922
info@marketpublishers.com

Tubing

Automotive Fluid Transfer System Market, By Material

Nylon

Stainless Steel

Aluminum

Steel

Rubber

Others

Automotive Fluid Transfer System Market, By Propulsion

ICE

BEV

PHEV

FCEV

Automotive Fluid Transfer System Market, By Region

North America

United States

Canada

Mexico

Europe

+357 96 030922
info@marketpublishers.com

- France
- United Kingdom
- Italy
- Germany
- Spain

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea

South America

- Brazil
- Argentina
- Colombia

Middle East & Africa

- South Africa
- Saudi Arabia
- UAE

+357 96 030922
info@marketpublishers.com

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Fluid Transfer System Market.

Available Customizations:

Global Automotive Fluid Transfer System Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

7. EUROPE AUTOMOTIVE FLUID TRANSFER SYSTEM MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC AUTOMOTIVE FLUID TRANSFER SYSTEM MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA AUTOMOTIVE FLUID TRANSFER SYSTEM MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA AUTOMOTIVE FLUID TRANSFER SYSTEM MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Automotive Fluid Transfer System Market - Global Industry Size, Share, Trends, Opportunity and Forecast, Segmented By Vehicle Type (Passenger Car, Light Commercial Vehicle, Medium and Heavy Commercial Vehicle, OTR) By Equipment Type (Air Suspension Lines, Fuel Lines, Brake Lines, AC Lines, Diesel Particulate Filter Lines, Selective Catalytic Reduction Lines, Transmission Oil Cooling Lines, Turbo Coolant Lines, Engine Cooling Lines, Air Brake Lines) By Type (Hoses, Tubing) By Material (Nylon, Stainless Steel, Aluminum, Steel, Rubber, Others) By Propulsion (ICE, BEV, PHEV, FCEV) By Region & Competition, 2021-2031F

Product link: https://marketpublishers.com/r/A64577E2231AEN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A64577E2231AEN.html