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Global Liquid Cooling Loop Fluid Management Components for Data Center Market 2026 by Company, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/G38DE961BB93EN.html
Date: November 2026
Pages: 139
Price: US$ 3,480.00 (Single User License)
ID: G38DE961BB93EN

Abstracts

According to our (Global Info Research) latest study, the global Liquid Cooling Loop Fluid Management Components for Data Center market size was valued at US$ 647 million in 2025 and is forecast to a readjusted size of US$ 2792 million by 2032 with a CAGR of 23.4% during review period.

Data-center liquid-cooling-loop fluid-management components are filters, circulation pumps and control valves installed inside a single-phase closed liquid-cooling system and directly exposed to water, water-glycol or dielectric coolant: filters remove metal particles, corrosion products and seal debris; pumps provide stable flow and pressure; and shut-off, check, bypass, proportional and multi-way valves provide isolation, routing and flow control, principally on the primary and secondary sides of coolant distribution units (CDUs), in technology cooling systems (TCSs), rack manifolds and cold-plate inlets. The value chain extends from upstream filter media, motors, magnets, bearings, seals, valve internals and actuators through component manufacturing and module integration to CDU and thermal-management suppliers, server OEMs, MEP contractors, cloud providers, colocation operators and enterprise AI/HPC customers. Product value is determined by flow capacity, filtration rating, pressure drop, coolant compatibility, leak resistance, redundancy and intelligent monitoring. The gross profit margin for precision data center components is approximately 25%–45%.

Report Scope

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This report is a detailed and comprehensive analysis for global Liquid Cooling Loop Fluid Management Components for Data Center market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Liquid Cooling Loop Fluid Management Components for Data Center market size and forecasts, in consumption value ($ Million), 2021-2032

Global Liquid Cooling Loop Fluid Management Components for Data Center market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Liquid Cooling Loop Fluid Management Components for Data Center market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Liquid Cooling Loop Fluid Management Components for Data Center market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Liquid Cooling Loop Fluid Management Components for Data Center

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

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This report profiles key players in the global Liquid Cooling Loop Fluid Management Components for Data Center market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bosch, DENSO, Continental, Aisin, Eaton, Parker Hannifin, Valeo, MAHLE, BorgWarner, Rheinmetall, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Liquid Cooling Loop Fluid Management Components for Data Center market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segmentation

Market segment by Type

Filter

Circulation Pump

Control Valve

Market segment by Product Level

Component Level

Part Level

System Level

Market segment by Application

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Hyperscale Cloud/AI Vendors

Managed Data Centers

Enterprise/HPC/Research Computing

Other

Market segment by players, this report covers

Bosch

DENSO

Continental

Aisin

Eaton

Parker Hannifin

Valeo

MAHLE

BorgWarner

Rheinmetall

Hanon Systems

HYDAC

Donaldson

Sanhua

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TOUPU

Yinlun Machinery

Zhongding Group

Feilong Auto Components

Johnson Electric Holdings

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

Chapter Outline

Chapter 1, to describe Liquid Cooling Loop Fluid Management Components for Data Center product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Liquid Cooling Loop Fluid Management Components for Data Center, with revenue, gross margin, and global market share of Liquid Cooling Loop Fluid Management Components for Data Center from 2021 to 2026.

Chapter 3, the Liquid Cooling Loop Fluid Management Components for Data Center competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with

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consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Liquid Cooling Loop Fluid Management Components for Data Center market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Liquid Cooling Loop Fluid Management Components for Data Center.

Chapter 13, to describe Liquid Cooling Loop Fluid Management Components for Data Center research findings and conclusion.

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