

Global Fully Automatic Purge and Trap Concentrator (PTC) Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Fully Automatic Purge and Trap Concentrator (PTC) market size was valued at US\$ 132 million in 2024 and is forecast to a readjusted size of USD 177 million by 2031 with a CAGR of 4.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

A fully automatic purge and trap concentrator (PTC) is a laboratory instrument used in analytical chemistry to concentrate volatile organic compounds (VOCs) from liquid or solid samples for further analysis, typically by gas chromatography (GC) or mass spectrometry (MS). This device automates the process of purging VOCs from a sample with an inert gas and trapping them on a sorbent material before releasing them into an analytical instrument.

This report is a detailed and comprehensive analysis for global Fully Automatic Purge and Trap Concentrator (PTC) market. Both quantitative and qualitative analyses are presented by manufacturers, 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 Fully Automatic Purge and Trap Concentrator (PTC) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Fully Automatic Purge and Trap Concentrator (PTC) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Fully Automatic Purge and Trap Concentrator (PTC) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Fully Automatic Purge and Trap Concentrator (PTC) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Fully Automatic Purge and Trap Concentrator (PTC)
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Fully Automatic Purge and Trap Concentrator (PTC) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include LabTech (CDS Analytical), Teledyne Tekmar, EST Analytical, OI Analytical (Xylem Analytics), TaiTong Technology, Beijing Tashi Deyan Instrument, Beijing Juxin Zhweifeng Technology, Beijing Zhongyi Yusheng Technology, etc.

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

Market Segmentation

Fully Automatic Purge and Trap Concentrator (PTC) market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate

calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single Tube Capture System

Multiple Tube Capture System

Market segment by Application

Environmental

Food and Beverage

Forensics and Toxicology

Pharmaceutical

Petrochemical

Others

Major players covered

LabTech (CDS Analytical)

Teledyne Tekmar

EST Analytical

OI Analytical (Xylem Analytics)

TaiTong Technology

Beijing Tashi Deyan Instrument

Beijing Juxin Zhuifeng Technology

Beijing Zhongyi Yusheng Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Fully Automatic Purge and Trap Concentrator (PTC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Fully Automatic Purge and Trap Concentrator (PTC), with price, sales quantity, revenue, and global market share of Fully Automatic Purge and Trap Concentrator (PTC) from 2020 to 2025.

Chapter 3, the Fully Automatic Purge and Trap Concentrator (PTC) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Fully Automatic Purge and Trap Concentrator (PTC) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Fully Automatic Purge and Trap Concentrator (PTC) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Fully Automatic Purge and Trap Concentrator (PTC).

Chapter 14 and 15, to describe Fully Automatic Purge and Trap Concentrator (PTC) sales channel, distributors, customers, research findings and conclusion.

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