

# Global Supercritical Co2 Fluid Extraction Plant Market Research Report 2019-2023

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## Abstracts

Supercritical Fluid Extraction (SFE) is the process of separating one component (the extractant) from another (the matrix) using supercritical fluids as the extracting solvent. Extraction is usually from a solid matrix, but can also be from liquids. Carbon dioxide (CO<sub>2</sub>) is the most used supercritical fluid, sometimes modified by co-solvents such as ethanol or methanol. Extraction conditions for supercritical carbon dioxide are above the critical temperature of 31 °C and critical pressure of 74 bar.

The increasing demand for drug in pharmaceutical and oil or other essential extraction in processing industrial are the major factors fueling the growth for the Supercritical Co<sub>2</sub> Fluid Extraction Plant market, according to research, Global Supercritical Co<sub>2</sub> Fluid Extraction Plant market is projected to grow at a CAGR of 6.7% between 2017-2021.

Geographically, Asia Pacific is expecting to account for largest market around the world in terms of demand, as it has a largest number of processing factories, more over the Asia Pacific is expecting to grow at the highest CAGR over the forecast period.

In terms of equipments, the Supercritical Co<sub>2</sub> Fluid Extraction Plant consists of Pumps, Pressure vessels, Pressure maintenance, Collection, Heating and cooling and so on, the system must contain a pump for the CO<sub>2</sub>, a pressure cell to contain the sample, a means of maintaining pressure in the system and a collecting vessel. The liquid is pumped to a heating zone, where it is heated to supercritical conditions. It then passes into the extraction vessel, where it rapidly diffuses into the solid matrix and dissolves the material to be extracted.

Global top manufacturers operating in Apeks Supercritical, Waters, Supercritical Fluid Technologies, Inc, Infinity Supercritical, Inc, Medical Jane among others.

In the context of China-US trade war and global economic volatility and uncertainty, it will have a big influence on this market. Supercritical Co2 Fluid Extraction Plant Report by Material, Application, and Geography – Global Forecast to 2023 is a professional and comprehensive research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

The report firstly introduced the Supercritical Co2 Fluid Extraction Plant basics: definitions, classifications, applications and market overview; product specifications; manufacturing processes; cost structures, raw materials and so on. Then it analyzed the world's main region market conditions, including the product price, profit, capacity, production, supply, demand and market growth rate and forecast etc. In the end, the report introduced new project SWOT analysis, investment feasibility analysis, and investment return analysis.

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