

# Europe ANSI Cartridge Seals Market Forecast to 2030 - Regional Analysis - by Type (Single Cartridge Seals and Dual Cartridge Seals) and Application (Chemical & Petrochemical Industry, Pharmaceutical Industry, Food & Beverage Industry, and Others)

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## Abstracts

The Europe ANSI cartridge seals market is expected to grow from US\$ 133.24 million in 2023 to US\$ 195.80 million by 2030; it is estimated to grow at a CAGR of 5.7% from 2023 to 2030.

### Technological Advancements in Sealing Solutions and Pumps Fuel the Europe ANSI Cartridge Seals Market

Unlike traditional seals, which require equipment disassembly during installation or replacement, cartridge split seals can be fitted and replaced around the equipment shaft. This avoids costly downtime and safety hazards. Cost savings of adopting a split seal are increased because equipment like the pumps used by major water utilities, which may transport thousands of gallons per minute, are getting bigger. The A.W. Chesterton Company is developing its cartridge seal for large water pumps.

For instance, in June 2021, the 442C XL cartridge split mechanical seal from sealing technology expert A.W. Chesterton Company expanded the company's cartridge split seal product range to fit larger pumps and rotating machinery in sectors such as power, chemicals, and water & wastewater. For instance, in April 2023, John Crane launched its new sealing solution that extended the time between repair and reduced water and power consumption. John Crane launched SB2/SB2A USP seal—combining the Type SB2/SB2A heavy-duty dual cartridge seal with unique upstream pumping (USP) technology. The Type SB2/SB2A USP seal is perfect for use with fluids potentially

harmful to the environment, abrasive, and for other slurry duties up to 40% solids by weight and an eight Mohs solids hardness. It is frequently utilized on pumps and other rotating machinery. B2-USP is designed for DIN standard dimensions, and SB2A-USP is designed for ANSI standard dimensions. Additionally in March 2023, Atlas Copco AB has launched its Weda D95 dewatering pump. Maintenance and serviceability were considered at the time of designing the pump. Customers can perform on-site inspection and maintenance of the pump to the due to the developed design, which minimizes downtime and related expenses. Instead of having numerous distinct components, the mechanical seal is a unique stainless-steel cartridge in this pump, and it is simple to replace in one piece rather than the whole assembly. Such technological advancements in the cartridge seal are prolling the adoption in various industries.

## Europe ANSI Cartridge Seals Market Overview

The ANSI cartridge seals market in Europe is segmented into Germany, France, the UK, Italy, Russia, and the Rest of Europe. ANSI cartridge seals are used in pumps to prevent the leakage of fluid between a rotating shaft and stationary housing in different industries, such as chemicals, pharmaceuticals, and food & beverages. According to the Cefic, the European Chemical Industry Council, the region is the second largest producer of chemicals in the world. In Europe, the chemical sales of the European Union (EU) were around US\$ 631.82 billion (EUR 594 billion), and the Rest of Europe was ~US\$ 177.63 billion (EUR 167 billion) in 2021. Also, according to the same report, in world chemical sales, the EU contributed 15% of the global shares in 2021. Of the total chemical sales of the EU, petrochemical accounted for 26%, and the remaining 74% was from basic inorganic (13%), polymers (20%), specialty chemicals (27%), and consumer chemicals (14%). Also, around two-third of the chemical sales came from the four member states, which include Germany (29%), France (17%), Italy (10%), and the Netherlands (10%). Thus, the growing chemical production and sales will boost the growth of the Europe ANSI cartridge seals market .

## Europe ANSI Cartridge Seals Market Revenue and Forecast to 2030 (US\$ Million)

### Europe ANSI Cartridge Seals Market Segmentation

The Europe ANSI cartridge seals market is segmented based on type, application, and country. Based on type, the Europe ANSI cartridge seals market is bifurcated into single cartridge seals and dual cartridge seals. The single cartridge seals segment held a larger market share in 2023.

Based on application, the Europe ANSI cartridge seals market is segmented into chemical & petrochemical industry, pharmaceutical industry, food & beverage industry, and others. The others segment held the largest market share in 2023.

Based on country, the Europe ANSI cartridge seals market is segmented into France, Germany, the UK, Italy, Russia, and the Rest of Europe. Germany dominated the Europe ANSI cartridge seals market share in 2023.

A W Chesterton Co; Sealing Technology; AESSEA Plc; HI-FAB Engineers Pvt. Ltd.; Scenic Co., Ltd; Flowserve Corporation; EagleBurgmann Germany GmbH & Co KG; Flexaseal Engineered Seals and Systems, LLC.; and Stramek Flow Control, S.L. are some of the leading companies operating in the Europe ANSI cartridge seals market.

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