

Asia-Pacific Pharmaceutical Fluid Handling Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Offering (Equipment and Solution & Services), Tubing (TPE, PVC, and Silicone), Application (Fluid Handling and Management, Fluid Preparation, Integration & Automation, Aseptic Processing, Buffer Management, and Others), Usage [Cough Syrup, Intravenous Products, Complex Active Pharmaceutical Ingredients (APIs), and Others], and End User (Biotechnology Companies, Pharmaceutical & Medical Companies, and Others)

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Abstracts

The Asia-Pacific pharmaceutical fluid handling market is expected to grow from US\$ 2,060.41 million in 2022 to US\$ 2,792.15 million by 2028; it is estimated to grow at a CAGR of 5.2% from 2022 to 2028.

Automated Fluid Handling Systems with Machine Learning to Bolster Asia-Pacific Pharmaceutical Fluid Handling Market in Coming Years

A fluid handling system is critical for preparing, moving, and storing fluids required in the manufacturing and sanitation of the biotechnology or pharmaceutical plant. Automated fluid handling systems in pharmaceutical or biotechnology manufacturing plants will simplify the process and increase its accuracy. Automated process reduces procedural errors, which reduces the instance of rejected batches. Further, automated handling will directly clean the fluid handling system and manufacturing unit without special

preparation for the cleaning process. In addition to controlling various stages of automatic liquid handling by artificial intelligence and utilizing internet connectivity to interact remotely with handlers, the application of artificial intelligence to automate liquid handling offers lucrative opportunities for the market growth. Machine learning will enable the software to provide high levels of error control and adapt instruments to new situations such as reacting to a defect in a disposable tip or compensating for a blocked nozzle when handling samples using machine learning. Furthermore, the introduction of new products enhances market growth. Thus, the use of an automated fluid handling system integrated with machine learning is likely to fuel the Asia-Pacific pharmaceutical fluid handling market during the forecast period.

Asia-Pacific Pharmaceutical Fluid Handling Market Overview

The Asia Pacific pharmaceutical fluid handling market is segmented into China, Japan, India, Australia, South Korea, and the Rest of Asia-Pacific. The Asia-Pacific pharmaceutical fluid handling market growth is attributed to the development of the pharmaceutical industry, rise in pharma production/manufacturing, and an increase in R&D investments in pharma to produce novel drugs. China is the largest producer and exporter of pharmaceutical intermediate and APIs. The country exports enormous quantities of APIs and intermediates to the chemical & pharmaceutical sectors across Asia-Pacific countries such as India. In addition, the country has a substantial domestic pharmaceutical manufacturing sector and capacity. The government also significantly invests in the development of special industrial zones that allow infrastructure development and production at low cost.

Asia-Pacific Pharmaceutical Fluid Handling Market Revenue and Forecast to 2028 (US\$ Million)

Asia-Pacific Pharmaceutical Fluid Handling Market Segmentation

The Asia-Pacific pharmaceutical fluid handling market is segmented into offering, tubing, application, usage, end user, and country. Based on offering, the Asia-Pacific market is segmented into equipment & solutions and services. The equipment segment registered a larger market share in 2022.

Based on tubing, the Asia-Pacific pharmaceutical fluid handling market is segmented into TPE, PVC, and silicon. The silicon segment registered the largest market share in 2022.

Based on application, the Asia-Pacific pharmaceutical fluid handling market is segmented into fluid handling and management, fluid preparation, integration and automation, aseptic processing, buffer management, and others. The fluid handling and management segment registered the largest market share in 2022.

Based on usage, the Asia-Pacific pharmaceutical fluid handling market is segmented into cough syrup, intravenous products, complex active pharmaceutical ingredients (APIs), and others. The intravenous products segment registered the largest market share in 2022.

Based on end user, the Asia-Pacific pharmaceutical fluid handling market is segmented into biotechnology companies, pharmaceutical and medical companies, and others. The biotechnology companies segment registered the largest market share in 2022.

Based on country, the Asia-Pacific pharmaceutical fluid handling market is segmented into Japan, China, India, South Korea, Australia, and the Rest of Asia-Pacific. China registered the largest market share in 2022.

Australian Fluid Handling Pty Ltd, CIRCOR International Inc, Danaher Corp, Merck KGaA, Parker Hannifin Corp, RAUMEDIC AG, Rochling SE & Co KG, Spirax Sarco Engineering plc, and Tef Cap Industries Inc are the leading companies operating in the Asia-Pacific pharmaceutical fluid handling market.

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