

# Fluid Management Systems Global Market – Forecast To 2023

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# **Abstracts**

Maintaining the level, temperature and pH of different fluids within the human body is of prime importance because the rise or decrease in the fluid level is associated with severe complications; hence preserving the fluid levels is carried out by special devices or monitors known as fluid management systems. Fluid management systems are the devices employed to balance the blood and various bodily fluids to prevent adverse events associated with the improper flow of fluids, undesired fluid levels, fluid with different temperature and improper disposal of fluids as well.

From the past decade there has been a progressive refinement in fluid management systems from standalone systems to integrated systems with easy-set up and fully disposable features. Over the years, the increasing popularity of minimally invasive surgery and apparent advantages, speed, efficacy, cost-effectiveness and increased usage of fluid management system have spread its usage across all clinical applications, from obstetrics and gynecology, orthopedics and cardiology to neurology, and dental detection and so on for functions like fluid irrigation, pressure monitoring, fluid warming, fluid waste collection and fluid filtration.

The fluid management systems global market is expected to grow at mid single digit CAGR to reach \$12,803.8 million by 2023. Fluid management systems market is mainly classified into products, application, end-users and geography.

The fluid management systems global market by products is divided into fluid management devices and disposables and accessories. The fluid management devices are further classified into standalone devices and integrated devices. The standalone devices are further sub-segmented into dialyzers, insufflators, suction/evacuation and irrigation systems, fluid waste management devices, fluid warming devices and smoke



evacuation systems. The disposables and accessories includes catheters, bloodlines, tubing Sets, pressure monitoring lines, pressure transducers, valves, connectors and fittings, suction canisters, Cannula and other accessories.

The fluid management devices global market by application is segmented into cardiology, urology, orthopedic, neurology, obstetrics & gynecology, pulmonology, otolaryngology, gastroenterology and others.

The end-users of fluid management systems global market are hospitals, ambulatory surgical centers, homecare and others.

Among the fluid management systems products market, the fluid management devices segment dominated the market by occupying a largest share of 59.5%. At the same time, disposables and accessories market is the fastest growing segment from 2016 to 2023. In standalone devices, dialyzers segment holds the largest share of XX% and fluid waste management devices is the fastest growing segment from 2016 to 2023. Based on fluid management application, the urology market dominated the market by occupying a largest share of XX%. While cardiology is the fastest growing segment with a CAGR of X% from 2016 to 2023. In the end-users market, Hospitals is the largest segment with a share of XX% and it is also the fastest segment with a CAGR of X% from 2016 to 2023. Geographical wise, North America is the largest market, with a share of XX% followed by Europe, Asia and Rest of the World. The Asia region is the fastest growing region with a CAGR of X% from 2016 to 2023 presenting an investment opportunity for new entrants in the fluid management systems market. Growth in the Asian market is attributed to rising prevalence of lifestyle diseases, increasing number of minimally invasive surgeries, favourable reimbursements and immense untapped potential.

The fluid management systems global market is expected to grow at a CAGR of X% during 2016 to 2023. The factors driving the growth of this market are raising incidences of various lifestyle disease requiring surgical procedures, increase in number of minimally invasive surgeries leading to fast recovery and reduced hospital stay, technology advancements in fluid management systems and increase in government funds and grants for endosurgical procedures. While rise in use of single use disposable devices and accessories and untapped potential and market expansion opportunities in emerging nations are some of the opportunities that are propelling the growth of the market. However, non-availability of skilled professionals, high cost of endosurgeries, availability of alternative therapies and stringent multiple regulatory authorities controlling the market are hampering the growth of the market.



The fluid management systems global market is a fragmented market and all the existing players in this market. Some of the key players of the fluid management systems global market are Arthrex (U.S.), B. Braun Melsungen AG (Germany), Baxter International Inc. (U.S.), C. R. Bard Inc. (U.S.), Cardinal Health, Inc. (U.S.), Coloplast (Denmark), Ecolab Inc. (U.S.), Fresenius SE & Co. KGaA (Germany), Nipro Corporation (Japan), Smith & Nephew, PLC (U.K.), Smiths Group (U.K.), Stryker Corporation (U.S.) and Zimmer Biomet Holdings, Inc. (U.S.).

The report provides an in depth market analysis of the above mentioned segments across the following regions:

North America

Europe

Asia-Pacific

Rest of the World (RoW)



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FIGURE 21 NORTH AMERICAN STANDALONE DEVICES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 22 NORTH AMERICAN DISPOSABLES AND ACCESSORIES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 23 NORTH AMERICAN FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 24 NORTH AMERICAN FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY END-USERS (2015 - 2023) (\$MN)

FIGURE 25 UNITED STATES FLUID MANAGEMENT DEVICES MARKET REVENUE, BY PRODUCT, BY END-USERS (2015-2023) (\$MN)

FIGURE 26 U.S. FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATION (2016 VS 2023) (\$MN)

FIGURE 27 OTHERS FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USER (2016 VS 2023) (\$MN)

FIGURE 28 OTHERS FLUID MANAGEMENT SYSTEMS GLOBAL MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 29 EUROPE FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS (2015 - 2023) (\$MN)

FIGURE 30 EUROPE FLUID MANAGEMENT DEVICES MARKET SHARE, BY TYPE (2016 VS 2023) (%)

FIGURE 31 EUROPE STANDALONE DEVICES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 32 EUROPE DISPOSABLES AND ACCESSORIES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 33 EUROPE FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATION (2016 VS 2023) (\$MN)

FIGURE 34 EUROPE FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY END-USERS (2015 - 2023) (\$MN)

FIGURE 35 FRANCE FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 36 FRANCE FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 37 U.K. FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 38 U.K. FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)



FIGURE 39 GERMANY FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 40 GERMANY FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 41 OTHERS FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 42 OTHERS FLUID MANAGEMENT SYSTEMS GLOBAL MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 43 ASIA-PACIFIC FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS (2015-2023) (\$MN)

FIGURE 44 ASIA-PACIFIC FLUID MANAGEMENT DEVICES MARKET SHARE, BY TYPE (2016 VS 2023) (%)

FIGURE 45 ASIA-PACIFIC STANDALONE DEVICES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 46 ASIA-PACIFIC DISPOSABLES AND ACCESSORIES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 47 ASIA-PACIFIC FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 48 ASIA-PACIFIC FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY END-USERS (2015-2023) (\$MN)

FIGURE 49 INDIA FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 50 INDIA FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 51 CHINA FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 52 CHINA FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 53 JAPAN FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 54 JAPAN FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 55 OTHERS FLUID MANAGEMENT SYSTEM MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 56 OTHERS FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATION (2016 VS 2023) (\$MN)

FIGURE 57 ROW FLUID MANAGEMENT SYSTMS MARKET REVENUE, BY PRODUCTS (2015-2023) (\$MN)

FIGURE 58 ROW FLUID MANAGEMENT DEVICES MARKET SHARE, BY TYPE (2016



VS 2023) (%)

FIGURE 59 ROW STANDALONE DEVICES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 60 ROW DISPOSABLES AND ACCESSORIES MARKET REVENUE, BY TYPE (2016 VS 2023) (\$MN)

FIGURE 61 ROW FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 62 ROW FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 63 BRAZIL FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 64 BRAZIL FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 65 REST OF LATAM FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 66 REST OF LATAM FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 67 MIDDLE EAST & OTHERS FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY PRODUCTS, BY END-USERS (2016 VS 2023) (\$MN)

FIGURE 68 MIDDLE EAST & OTHERS FLUID MANAGEMENT SYSTEMS MARKET REVENUE, BY APPLICATIONS (2016 VS 2023) (\$MN)

FIGURE 69 KEY GROWTH STRATEGIES, (2014 – 2016)

FIGURE 70 SWOT: ARTHREX, INC.

FIGURE 71 SWOT: B. BRAUN MELSUNGEN AG

FIGURE 72 SWOT: BAXTER INTERNATIONAL, INC.

FIGURE 73 SWOT: C.R.BARD, INC.

FIGURE 74 SWOT: CARDINAL HEALTH, INC.

FIGURE 75 SWOT: COLOPLAST FIGURE 76 SWOT: ECOLAB, INC

FIGURE 77 SWOT: FRESENIUS SE & CO. KGAA

FIGURE 78 SWOT: NIPRO CORPORATION

FIGURE 79 SWOT: SMITH AND NEPHEW, PLC

FIGURE 80 SWOT: SMITHS GROUP

FIGURE 81 SWOT: STRYKER CORPORATION

FIGURE 82 SWOT: ZIMMER BIOMET HOLDINGS, INC



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