

Progressing Cavity Pump Market by Power Rating (Up To 50 Hp, 51–150 Hp, Above 150 Hp), Pumping Capacity, End-User (Oil & Gas, Water & Wastewater Treatment, Food & Beverage, Food Waste, Biogas, Battery Recycling) and Region - Global Forecast to 2029

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Abstracts

The global market for progressing cavity pumps is poised for substantial growth, with a projected trajectory reaching USD 3.6 billion by the year 2029. This represents a noteworthy increase from the estimated value of USD 2.8 billion in 2024, reflecting a steady Compound Annual Growth Rate (CAGR) of 5.0% over the period spanning from 2024 to 2029. The global market for progressing cavity pumps is undergoing significant growth, driven by several key factors that are propelling its expansion on a worldwide scale. Primarily, the surge in industrialization and urban development in emerging economies, combined with ongoing infrastructure projects, is fueling demand for efficient fluid handling solutions across diverse sectors including oil and gas, water and wastewater treatment, food and beverage, chemicals, and mining. Additionally, stringent environmental regulations and increased focus on workplace safety are compelling industries to invest in advanced pumping technologies like progressing cavity pumps, renowned for their superior performance, reliability, and environmental sustainability. Furthermore, technological advancements such as IoT-enabled monitoring systems, energy-efficient designs, and smart pumping solutions are further bolstering market growth by enhancing operational efficiency, reducing downtime, and minimizing energy consumption. Moreover, the expanding applications of progressing cavity pumps across various industries, coupled with their increasing adoption in emerging sectors such as renewable energy and pharmaceuticals, are opening up new avenues for market expansion. With a rising global demand for high-quality, efficient fluid handling



equipment, the global progressing cavity pump market is poised for continued growth in the forthcoming years.

"Up to 50 HP segment, by power rating, to be fastest growing market from 2024 to 2029."

The up to 50 HP segment, categorized by power rating, is poised to emerge as the fastest-growing market segment from 2024 to 2029 due to several key factors driving its accelerated expansion. Primarily, this segment caters to the needs of small to mediumsized operations across various industries, including manufacturing, agriculture, and small-scale processing facilities. The versatility and affordability of pumps within this power range make them highly attractive to a wide range of end-users, prompting increased adoption and driving market growth. Additionally, as industries continue to prioritize efficiency and cost-effectiveness in their operations, the demand for compact, lower horsepower pumps capable of handling a variety of fluids remains strong. Moreover, technological advancements such as energy-efficient designs and IoTenabled monitoring systems are making pumps in this segment even more appealing by enhancing their performance, reliability, and operational efficiency. Furthermore, emerging trends such as the integration of smart technologies and automation further fuel the growth of this segment by streamlining processes and reducing maintenance requirements. With a growing emphasis on sustainable and eco-friendly solutions across industries, the up to 50 HP segment is expected to witness robust growth as businesses seek efficient fluid handling equipment that aligns with their environmental objectives and operational needs.

"Water & Wastewater Treatment Segment, by end-use industry, to be the largest market from 2024 to 2029."

The Water & Wastewater Treatment segment, classified by end-use industry, is anticipated to emerge as the largest market segment from 2024 to 2029, driven by several key factors that underscore its dominance in the progressing cavity pump market. Firstly, amidst growing concerns about water scarcity and pollution, there is an escalating global focus on enhancing water treatment and sanitation infrastructure. This translates to increased investments in water and wastewater treatment facilities across various regions, thereby driving demand for efficient fluid handling solutions such as progressing cavity pumps. Furthermore, stringent regulatory standards pertaining to water quality and environmental protection further amplify the need for advanced pumping technologies in the water and wastewater treatment sector. Moreover, the expanding population, rapid urbanization, and industrialization contribute to the rising



volumes of wastewater generated, necessitating comprehensive treatment processes to mitigate environmental impact. Progressing cavity pumps play a vital role in various stages of water treatment, including sludge handling, chemical dosing, and filtration, owing to their ability to efficiently handle viscous and abrasive fluids.

"Asia Pacific to be largest and fastest growing region in progressing cavity pump market."

The Asia Pacific region is set to emerge as both the largest and fastest-growing region in the progressing cavity pump market, driven by a confluence of factors that underscore its prominence in the industry. Firstly, rapid industrialization and urbanization across countries like China, India, and Southeast Asian nations are fueling substantial demand for efficient fluid handling solutions across diverse sectors such as oil and gas, water and wastewater treatment, food and beverage, chemicals, and mining. This robust industrial growth, coupled with ongoing infrastructure development projects, contributes significantly to the increasing adoption of progressing cavity pumps in the region. Moreover, stringent environmental regulations and a growing focus on workplace safety are compelling industries in the Asia Pacific to invest in advanced pumping technologies like progressing cavity pumps, which offer superior performance, reliability, and environmental sustainability. Additionally, technological advancements such as IoT-enabled monitoring systems, energy-efficient designs, and smart pumping solutions are further accelerating market growth by enhancing operational efficiency, reducing downtime, and minimizing energy consumption.

Breakdown of Primaries:

Important qualitative and quantitative data were gathered and verified, as well as future market prospects, through in-depth interviews with subject-matter experts, C-level executives of major market players, industry consultants, and other experts. The following is how the main interviews were dispersed:

By Company Type: Tier 1-65%, Tier 2-24%, and Tier 3-11%

By Designation: C-Level-30%, D-Level-25%, and Others-45%

By Region: North America–27%, Europe–20%, Asia Pacific–33%, Middle East & Africa–12%, and South America–8%

Note: "Others" include sales managers, engineers, and regional managers

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The tiers of the companies are defined based on their total revenue as of 2023: Tier 1: >USD 1 billion, Tier 2: USD 500 million–1 billion, and Tier 3:



Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION
- 1.3 INCLUSIONS AND EXCLUSIONS
- 1.3.1 PROGRESSING CAVITY PUMP MARKET: INCLUSIONS AND EXCLUSIONS, BY POWER RATING
- 1.3.2 PROGRESSING CAVITY PUMP MARKET: INCLUSIONS AND EXCLUSIONS, BY PUMPING CAPACITY
- 1.3.3 PROGRESSING CAVITY PUMP MARKET: INCLUSIONS AND EXCLUSIONS, BY END USER
- 1.4 STUDY SCOPE
 - 1.4.1 MARKETS COVERED
 - 1.4.2 REGIONAL SCOPE
 - 1.4.3 YEARS CONSIDERED
 - 1.4.4 CURRENCY CONSIDERED
 - 1.4.5 UNITS CONSIDERED
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS
- 1.7 SUMMARY OF CHANGES
- 1.8 RECESSION IMPACT

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 PROGRESSING CAVITY PUMP MARKET: RESEARCH DESIGN

- 2.1.1 SECONDARY DATA
 - 2.1.1.1 List of major secondary sources
- TABLE 1 LIST OF MAJOR SECONDARY SOURCES
 - 2.1.1.2 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Breakdown of primaries

FIGURE 2 BREAKDOWN OF PRIMARIES: BY COMPANY TYPE, DESIGNATION, AND REGION

FIGURE 3 MAIN METRICS CONSIDERED TO ANALYZE AND ASSESS DEMAND FOR PROGRESSING CAVITY PUMPS



2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH 2.2.2 TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH 2.2.3 DEMAND-SIDE ANALYSIS

- 2.2.3.1 Regional analysis
- 2.2.3.2 Country-level analysis
- 2.2.3.3 Demand-side assumptions
- 2.2.3.4 Demand-side calculations
- 2.2.4 SUPPLY-SIDE ANALYSIS

FIGURE 6 KEY STEPS CONSIDERED TO ASSESS SUPPLY OF PROGRESSING CAVITY PUMPS

FIGURE 7 PROGRESSING CAVITY PUMP MARKET: SUPPLY-SIDE ANALYSIS

- 2.2.4.1 Supply-side calculations
- 2.2.4.2 Supply-side assumptions
- 2.3 FORECAST
- 2.4 RISK ASSESSMENT
- 2.5 RESEARCH LIMITATIONS
- 2.6 IMPACT OF RECESSION
- 2.7 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION

3 EXECUTIVE SUMMARY

TABLE 2 PROGRESSING CAVITY PUMP MARKET SNAPSHOT FIGURE 9 ASIA PACIFIC TO HOLD LARGEST SHARE OF PROGRESSING CAVITY PUMP MARKET IN 2023

FIGURE 10 UP TO 50 HP SEGMENT TO REGISTER HIGHEST CAGR IN PROGRESSING CAVITY PUMP MARKET DURING FORECAST PERIOD FIGURE 11 WATER & WASTEWATER TREATMENT INDUSTRY SEGMENT TO ACCOUNT FOR LARGEST SHARE OF PROGRESSING CAVITY PUMP MARKET IN 2029

FIGURE 12 UP TO 500 GPM SEGMENT TO HOLD LARGEST SHARE OF PROGRESSING CAVITY PUMP MARKET IN 2029

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN PROGRESSING CAVITY



PUMP MARKET

FIGURE 13 RISING DEMAND FOR CLEAN AND EFFICIENT POWER GENERATION TECHNOLOGIES TO DRIVE MARKET

4.2 PROGRESSING CAVITY PUMP MARKET IN ASIA PACIFIC, BY END USER AND COUNTRY

FIGURE 14 WATER & WASTEWATER TREATMENT INDUSTRY SEGMENT AND CHINA HELD LARGEST SHARES OF PROGRESSING CAVITY PUMP MARKET IN ASIA PACIFIC IN 2023

- 4.3 PROGRESSING CAVITY PUMP MARKET, BY POWER RATING FIGURE 15 UP TO 50 HP SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE IN 2029
- 4.4 PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY FIGURE 16 UP TO 500 GPM SEGMENT TO DOMINATE MARKET IN 2029 4.5 PROGRESSING CAVITY PUMP MARKET, BY END USER

FIGURE 17 WATER & WASTEWATER TREATMENT INDUSTRY SEGMENT TO HOLD LARGEST MARKET SHARE IN 2029

4.6 PROGRESSING CAVITY PUMP MARKET, BY REGION FIGURE 18 ASIA PACIFIC PROGRESSING CAVITY PUMP MARKET TO RECORD HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS

FIGURE 19 PROGRESSING CAVITY PUMP MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

- 5.2.1 DRIVERS
- 5.2.1.1 Growing demand in water & wastewater treatment industry

TABLE 3 PROPORTION OF SAFELY TREATED DOMESTIC WASTEWATER FLOWS (%)

5.2.1.2 Rising investments in oil & gas exploration

FIGURE 20 GLOBAL OIL DEMAND, 2019–2028 (MB/D)

5.2.1.3 Advancements in material science and progressing cavity pump design FIGURE 21 GLOBAL ELECTRICITY INVESTMENT AND SHARE OF DIGITAL GRID INFRASTRUCTURE, 2015–2023 (USD BILLION)

- 5.2.2 RESTRAINTS
 - 5.2.2.1 High initial investment and shortage of skilled labor
 - 5.2.2.2 Fluctuating raw material prices
- 5.2.3 OPPORTUNITIES



- 5.2.3.1 Growing adoption of Industry 4.0 technologies
- 5.2.3.2 Rise in investments in food & beverages industry

FIGURE 22 CAPITAL EXPENDITURE BY TOP 100 COMPANIES IN FOOD & BEVERAGES INDUSTRY, 2016–2021 (USD BILLION)

- 5.2.3.3 Rising demand for electric vehicles (EVs)
- 5.2.4 CHALLENGES
- 5.2.4.1 Preference for traditional centrifugal pumps over progressing cavity pumps in low-solid content wastewater applications
 - 5.2.4.2 Counterfeiting and intellectual property concerns
- 5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 23 PROGRESSING CAVITY PUMP MARKET: PORTER'S FIVE FORCES ANALYSIS

TABLE 4 PROGRESSING CAVITY PUMP MARKET: PORTER'S FIVE FORCES ANALYSIS

- 5.3.1 THREAT OF NEW ENTRANTS
- 5.3.2 BARGAINING POWER OF SUPPLIERS
- 5.3.3 BARGAINING POWER OF BUYERS
- 5.3.4 THREAT OF SUBSTITUTES
- 5.3.5 INTENSITY OF COMPETITIVE RIVALRY
- 5.4 PRICING ANALYSIS
- 5.4.1 INDICATIVE PRICING ANALYSIS OF PROGRESSING CAVITY PUMPS, BY PUMPING CAPACITY

TABLE 5 INDICATIVE PRICING ANALYSIS OF PROGRESSING CAVITY PUMPS, BY PUMPING CAPACITY

5.4.2 AVERAGE SELLING PRICE (ASP) OF PROGRESSING CAVITY PUMPS, BY REGION

TABLE 6 AVERAGE SELLING PRICE (ASP) OF PROGRESSING CAVITY PUMPS, BY REGION, 2020–2029 (USD/UNIT)

FIGURE 24 AVERAGE SELLING PRICE (ASP) TREND OF PROGRESSING CAVITY PUMPS, BY REGION, 2020–2029 (USD/UNIT)

5.5 SUPPLY CHAIN ANALYSIS

FIGURE 25 PROGRESSING CAVITY PUMP MARKET: SUPPLY CHAIN ANALYSIS

- 5.5.1 RAW MATERIAL PROVIDERS/SUPPLIERS
- 5.5.2 COMPONENT MANUFACTURERS
- 5.5.3 PROGRESSING CAVITY PUMP ASSEMBLERS/MANUFACTURERS
- 5.5.4 DISTRIBUTORS
- 5.5.5 END USERS
- 5.6 ECOSYSTEM/MARKET MAP

FIGURE 26 PROGRESSING CAVITY PUMP MARKET: MARKET MAP



TABLE 7 ROLES OF COMPANIES IN PROGRESSING CAVITY PUMP ECOSYSTEM 5.7 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES FIGURE 27 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES 5.8 TECHNOLOGY ANALYSIS

- 5.8.1 KEY TECHNOLOGY
 - 5.8.1.1 Smart pump systems
- 5.8.2 COMPLEMENTARY TECHNOLOGY
 - 5.8.2.1 Artificial intelligence (AI) and machine learning (ML)
- **5.9 PATENT ANALYSIS**

FIGURE 28 PATENTS GRANTED AND APPLIED RELATED TO PROGRESSING CAVITY PUMPS, 2014–2023

TABLE 8 PROGRESSING CAVITY PUMP MARKET: PATENT ANALYSIS, FEBRUARY 2020– FEBRUARY 2024

- 5.10 TRADE ANALYSIS
 - 5.10.1 TRADE ANALYSIS RELATED TO ENGINES AND MOTORS
 - 5.10.1.1 Import scenario

TABLE 9 IMPORT DATA FOR HS CODE 841360-COMPLIANT PRODUCTS, BY COUNTRY, 2020–2022 (USD THOUSAND)

FIGURE 29 IMPORT DATA FOR HS CODE 841360-COMPLIANT PRODUCTS, BY FIVE KEY COUNTRIES, 2020–2022 (USD THOUSAND)

5.10.1.2 Export scenario

TABLE 10 EXPORT DATA FOR HS CODE 841360-COMPLIANT PRODUCTS, BY COUNTRY, 2020–2022 (USD THOUSAND)

FIGURE 30 EXPORT DATA FOR HS CODE 841360-COMPLIANT PRODUCTS, BY FIVE KEY COUNTRIES, 2020–2022 (USD THOUSAND)

- 5.11 CASE STUDY ANALYSIS
- 5.11.1 NETZSCH PARTNERED WITH DXP TO ADDRESS CHALLENGES
 ASSOCIATED WITH TRADITIONAL CENTRIFUGAL PUMPS OF OIL PRODUCER
 - 5.11.1.1 Problem statement
 - 5.11.1.2 Solution
- 5.11.2 ALL-PUMPS UTILIZED NEXUS HELICAL ROTOR PUMPS TO TREAT MINING WATER
 - 5.11.2.1 Problem statement
 - 5.11.2.2 Solution
- 5.11.3 IRISH DISTILLERY COLLABORATED WITH SEEPEX TO INCREASE PRODUCTIVITY OF WHISKEY BY 50%
 - 5.11.3.1 Problem statement
 - 5.11.3.2 Solution
- 5.12 INVESTMENT AND FUNDING SCENARIO



FIGURE 31 INVESTMENT AND FUNDING SCENARIO

5.13 TARIFFS, STANDARDS, AND REGULATORY LANDSCAPE

5.13.1 TARIFF RELATED TO PROGRESSING CAVITY PUMPS

TABLE 11 IMPORT TARIFF FOR HS 841360-COMPLIANT ROTARY POSITIVE DISPLACEMENT PUMPS IN 2022

5.13.2 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 16 GLOBAL: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.13.3 STANDARDS

TABLE 17 STANDARDS RELATED TO POSITIVE DISPLACEMENT ROTARY PUMPS 5.14 KEY STAKEHOLDERS AND BUYING CRITERIA

5.14.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 32 INFLUENCE OF KEY STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE END USERS

TABLE 18 INFLUENCE OF KEY STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE END USERS

5.14.2 BUYING CRITERIA

FIGURE 33 KEY BUYING CRITERIA FOR TOP THREE END USERS TABLE 19 KEY BUYING CRITERIA FOR TOP THREE END USERS

5.15 KEY CONFERENCES AND EVENTS, 2024–2025

TABLE 20 PROGRESSING CAVITY PUMP MARKET: KEY CONFERENCES AND EVENTS, 2024–2025

6 PROGRESSING CAVITY PUMP MARKET, BY PRODUCT TYPE

6.1 INTRODUCTION

6.2 DOSING PUMPS

6.2.1 GROWING USE TO PRECISELY DELIVER FLUIDS ACROSS INDUSTRIES TO FUEL MARKET GROWTH

6.3 FLANGED PUMPS



- 6.3.1 VERSATILE APPLICATIONS IN MINING, CONSTRUCTION, AND CHEMICALS INDUSTRIES TO DRIVE MARKET
- 6.4 HOPPER PUMPS
- 6.4.1 ONGOING ADVANCEMENTS TO ENHANCE PERFORMANCE AND RELIABILITY TO DRIVE MARKET
- 6.5 FOOD GRADE (EHEDG/3A-CERTIFIED) PUMPS
- 6.5.1 GROWING USE IN INDUSTRIAL FOOD PROCESSING FOR ENSURING HYGIENIC EXCELLENCE TO DRIVE MARKET
- 6.6 FOOD GRADE (NON-CERTIFIED) PUMPS
- 6.6.1 SAFE CONTACT WITH FOOD AND COMPLIANCE WITH INDUSTRY REGULATIONS TO DRIVE DEMAND
- 6.7 VERTICAL PUMPS
- 6.7.1 ABILITY TO EFFICIENTLY HANDLE FLUIDS WITH HIGH VISCOSITY OR ENTRAINED SOLIDS AND CORROSIVE OR ABRASIVE LIQUIDS TO DRIVE DEMAND

7 PROGRESSING CAVITY PUMP MARKET, BY STAGE TYPE

- 7.1 INTRODUCTION
- 7.2 SINGLE-STAGE (90-PSI) PUMPS
- 7.2.1 GROWING USE OF SINGLE-STAGE PROGRESSING CAVITY PUMPS FOR LOW-PRESSURE FLUID TRANSFER TO DRIVE MARKET
- 7.3 DOUBLE-STAGE (180-PSI) PUMPS
- 7.3.1 RISING ADOPTION OF DOUBLE-STAGE PROGRESSING CAVITY PUMPS FOR MODERATE-PRESSURE FLUID TRANSFER IN VARIOUS INDUSTRIES TO DRIVE MARKET
- 7.4 FOUR-STAGE (360-PSI) PUMPS
- 7.4.1 INCREASING DEMAND FOR FOUR-STAGE PROGRESSING CAVITY PUMPS IN VARIOUS SECTORS AND INDUSTRIES FOR CONVEYING AND DOSING APPLICATIONS TO DRIVE MARKET
- 7.5 EIGHT-STAGE (720-PSI) PUMPS
- 7.5.1 UNPARALLELED PRESSURE CAPABILITIES AND HIGH RELIABILITY IN HIGH-PRESSURE FLUID TRANSFER APPLICATIONS TO DRIVE DEMAND

8 PROGRESSING CAVITY PUMP MARKET, BY POWER RATING

8.1 INTRODUCTION

FIGURE 34 PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2023 TABLE 21 PROGRESSING CAVITY PUMP MARKET, BY POWER RATING,



2020-2023 (USD MILLION)

TABLE 22 PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

8.2 UP TO 50 HP

8.2.1 GROWING USE OF UP TO 50 HP PROGRESSING CAVITY PUMPS IN TOUGH PUMPING APPLICATIONS TO DRIVE MARKET

TABLE 23 UP TO 50 HP: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 24 UP TO 50 HP: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

8.3 51-150 HP

8.3.1 RISING EMPHASIS ON EFFICIENCY, RELIABILITY, AND COST-EFFECTIVENESS IN INDUSTRIAL PROCESSES TO DRIVE DEMAND TABLE 25 51–150 HP: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 26 51–150 HP: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

8.4 ABOVE 150 HP

8.4.1 INCREASING DEPLOYMENT OF ABOVE 150 HP PROGRESSING CAVITY PUMPS IN UNCONVENTIONAL OIL & GAS WELLS TO DRIVE MARKET TABLE 27 ABOVE 150 HP: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 28 ABOVE 150 HP: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

9 PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY

9.1 INTRODUCTION

FIGURE 35 PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2023

TABLE 29 PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2020–2023 (USD MILLION)

TABLE 30 PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2024–2029 (USD MILLION)

9.2 UP TO 500 GPM

9.2.1 INCREASING DEMAND FOR WATER & WASTEWATER TREATMENT SOLUTIONS AND INDUSTRIALIZATION IN EMERGING ECONOMIES TO DRIVE DEMAND

TABLE 31 UP TO 500 GPM: PROGRESSING CAVITY PUMP MARKET, BY REGION,



2020-2023 (USD MILLION)

TABLE 32 UP TO 500 GPM: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

9.3 501-1,000 GPM

9.3.1 VERSATILITY, IMPROVED EFFICIENCY, AND REDUCED MAINTENANCE REQUIREMENTS TO DRIVE DEMAND

TABLE 33 501–1,000 GPM: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 34 501–1,000 GPM: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

9.4 ABOVE 1,000 GPM

9.4.1 INCREASING DEMAND FOR WATER AND ENERGY AND INFRASTRUCTURE DEVELOPMENT PROJECTS TO FUEL DEMAND

TABLE 35 ABOVE 1,000 GPM: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 36 ABOVE 1,000 GPM: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

10 PROGRESSING CAVITY PUMP MARKET, BY END USER

10.1 INTRODUCTION

FIGURE 36 PROGRESSING CAVITY PUMP MARKET, BY END USER, 2023 TABLE 37 PROGRESSING CAVITY PUMP MARKET, BY END USER, 2020–2023 (USD MILLION)

TABLE 38 PROGRESSING CAVITY PUMP MARKET, BY END USER, 2024–2029 (USD MILLION)

10.2 OIL & GAS INDUSTRY

10.2.1 INCREASING OIL & GAS EXPLORATION AND PRODUCTION ACTIVITIES, PARTICULARLY IN UNCONVENTIONAL RESERVES, TO DRIVE DEMAND TABLE 39 OIL & GAS INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 40 OIL & GAS INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

10.3 WATER & WASTEWATER TREATMENT INDUSTRY

10.3.1 IMPLEMENTATION OF STRINGENT ENVIRONMENTAL REGULATIONS MANDATING WASTEWATER TREATMENT AND DISCHARGE STANDARDS TO DRIVE DEMAND

TABLE 41 WATER & WASTEWATER TREATMENT INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)



TABLE 42 WATER & WASTEWATER TREATMENT INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)
10.4 FOOD & BEVERAGES INDUSTRY

10.4.1 INCREASING TREND OF AUTOMATION AND PROCESS OPTIMIZATION IN FOOD PROCESSING PLANTS TO FUEL ADOPTION

TABLE 43 FOOD & BEVERAGES INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 44 FOOD & BEVERAGES INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

10.5 FOOD WASTE INDUSTRY

10.5.1 ABILITY TO EFFICIENTLY TRANSFER AND PROCESS ORGANIC WASTE MATERIALS TO FUEL DEMAND

TABLE 45 FOOD WASTE INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 46 FOOD WASTE INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

10.6 BIOGAS PLANTS

10.6.1 INCREASING FOCUS ON RENEWABLE ENERGY SOURCES AND GOVERNMENT-LED INCENTIVES FOR BIOGAS PRODUCTION TO DRIVE DEMAND TABLE 47 BIOGAS PLANTS: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 48 BIOGAS PLANTS: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

10.7 BATTERY RECYCLING PLANTS

10.7.1 ENHANCEMENT OF EFFICIENCY AND EFFECTIVENESS OF BATTERY RECYCLING OPERATIONS TO DRIVE DEMAND

TABLE 49 BATTERY RECYCLING PLANTS: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 50 BATTERY RECYCLING PLANTS: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

10.8 CHEMICALS & PETROCHEMICALS INDUSTRY

10.8.1 GROWTH OF CHEMICAL MANUFACTURING, EXPANSION OF PETROCHEMICAL FACILITIES, AND INCREASING DEMAND FOR SPECIALTY CHEMICALS TO DRIVE DEMAND

TABLE 51 CHEMICALS & PETROCHEMICALS INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 52 CHEMICALS & PETROCHEMICALS INDUSTRY: PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION) 10.9 OTHERS



TABLE 53 OTHERS: PROGRESSING CAVITY PUMP MARKET, BY REGION,

2020-2023 (USD MILLION)

TABLE 54 OTHERS: PROGRESSING CAVITY PUMP MARKET, BY REGION,

2024-2029 (USD MILLION)

11 PROGRESSING CAVITY PUMP MARKET, BY REGION

11.1 INTRODUCTION

FIGURE 37 ASIA PACIFIC PROGRESSING CAVITY PUMP MARKET TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 38 ASIA PACIFIC HELD LARGEST SHARE OF PROGRESSING CAVITY PUMP MARKET IN 2023

TABLE 55 PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (USD MILLION)

TABLE 56 PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (USD MILLION)

TABLE 57 PROGRESSING CAVITY PUMP MARKET, BY REGION, 2020–2023 (THOUSAND UNITS)

TABLE 58 PROGRESSING CAVITY PUMP MARKET, BY REGION, 2024–2029 (THOUSAND UNITS)

11.2 ASIA PACIFIC

11.2.1 IMPACT OF RECESSION ON PROGRESSING CAVITY PUMP MARKET IN ASIA PACIFIC

FIGURE 39 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET SNAPSHOT 11.2.2 BY POWER RATING

TABLE 59 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 60 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.2.3 BY PUMPING CAPACITY

TABLE 61 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2020–2023 (USD MILLION)

TABLE 62 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2024–2029 (USD MILLION)

11.2.4 BY END USER

TABLE 63 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2020–2023 (USD MILLION)

TABLE 64 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2024–2029 (USD MILLION)



11.2.5 BY COUNTRY

TABLE 65 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 66 ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

11.2.5.1 China

11.2.5.1.1 Rapid industrialization, infrastructure development, and environmental sustainability initiatives to drive market

TABLE 67 CHINA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 68 CHINA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.2.5.2 India

11.2.5.2.1 Increasing applications in oil & gas, water & wastewater treatment, food & beverages, and chemicals & petrochemicals industries to drive market

TABLE 69 INDIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 70 INDIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.2.5.3 Australia

11.2.5.3.1 Ongoing industrial developments, infrastructure investments, and increasing demand for efficient fluid handling solutions to drive market

TABLE 71 AUSTRALIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 72 AUSTRALIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.2.5.4 Japan

11.2.5.4.1 Efficiency, reliability, and sustainability features of progressing cavity pumps to drive demand

TABLE 73 JAPAN: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING , 2020–2023 (USD MILLION)

TABLE 74 JAPAN: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING , 2024–2029 (USD MILLION)

11.2.5.5 Rest of Asia Pacific

TABLE 75 REST OF ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 76 REST OF ASIA PACIFIC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.3 NORTH AMERICA



11.3.1 IMPACT OF RECESSION ON PROGRESSING CAVITY PUMP MARKET IN NORTH AMERICA

FIGURE 40 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET SNAPSHOT

11.3.2 BY POWER RATING

TABLE 77 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 78 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.3.3 BY PUMPING CAPACITY

TABLE 79 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2020–2023 (USD MILLION)

TABLE 80 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2024–2029 (USD MILLION)

11.3.4 BY END USER

TABLE 81 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2020–2023 (USD MILLION)

TABLE 82 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2024–2029 (USD MILLION)

11.3.5 BY COUNTRY

TABLE 83 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 84 NORTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

11.3.5.1 US

11.3.5.1.1 Increasing focus on sustainability and resource management to drive demand

TABLE 85 US: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 86 US: PROGRESSING CAVITY PUMP MARKET SIZE, BY POWER RATING, 2024–2029 (USD MILLION)

11.3.5.2 Canada

11.3.5.2.1 Large presence of oil sands and shale gas reserves and increasing exploration activities to drive demand

TABLE 87 CANADA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 88 CANADA: PROGRESSING CAVITY PUMP MARKET SIZE, BY POWER RATING, 2024–2029 (USD MILLION)

11.3.5.3 Mexico



11.3.5.3.1 Booming industrial sector and infrastructure development to drive demand

TABLE 89 MEXICO: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 90 MEXICO: PROGRESSING CAVITY PUMP MARKET SIZE, BY POWER RATING, 2024–2029 (USD MILLION)

11.4 EUROPE

11.4.1 IMPACT OF RECESSION ON PROGRESSING CAVITY PUMP MARKET IN EUROPE

11.4.2 BY POWER RATING

TABLE 91 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 92 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.4.3 BY PUMPING CAPACITY

TABLE 93 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2020–2023 (USD MILLION)

TABLE 94 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2024–2029 (USD MILLION)

11.4.4 BY END USER

TABLE 95 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2020–2023 (USD MILLION)

TABLE 96 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2024–2029 (USD MILLION)

11.4.5 BY COUNTRY

TABLE 97 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 98 EUROPE: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

11.4.5.1 UK

11.4.5.1.1 Rising offshore exploration and production activities to drive demand TABLE 99 UK: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 100 UK: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.4.5.2 France

11.4.5.2.1 Expanding industrial, manufacturing, renewable energy, and food processing sectors to drive market

TABLE 101 FRANCE: PROGRESSING CAVITY PUMP MARKET, BY POWER



RATING, 2020-2023 (USD MILLION)

TABLE 102 FRANCE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.4.5.3 Germany

11.4.5.3.1 Diverse industrial base, encompassing automotive, chemical, food processing, and renewable energy industries, to fuel demand

TABLE 103 GERMANY: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 104 GERMANY: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.4.5.4 Russia

11.4.5.4.1 Industrial development plans and strategic initiatives related to renewable energy initiatives to drive market

TABLE 105 RUSSIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 106 RUSSIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.4.5.5 Italy

11.4.5.5.1 Rising demand for reliable and efficient fluid-handling solutions to drive demand

TABLE 107 ITALY: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 108 ITALY: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.4.6 REST OF EUROPE

TABLE 109 REST OF EUROPE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 110 REST OF EUROPE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5 MIDDLE EAST & AFRICA

11.5.1 IMPACT OF RECESSION ON PROGRESSING CAVITY PUMP MARKET IN MIDDLE EAST & AFRICA

11.5.2 BY POWER RATING

TABLE 111 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 112 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5.3 BY PUMPING CAPACITY

TABLE 113 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY



PUMPING CAPACITY, 2020-2023 (USD MILLION)

TABLE 114 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2024–2029 (USD MILLION)

11.5.4 BY END USER

TABLE 115 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2020–2023 (USD MILLION)

TABLE 116 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2024–2029 (USD MILLION)

11.5.5 BY COUNTRY

TABLE 117 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 118 MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

TABLE 119 GCC: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 120 GCC: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

11.5.5.1 GCC

TABLE 121 GCC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 122 GCC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5.5.1.1 Saudi Arabia

11.5.5.1.1.1 Increased industrial activities, ambitious infrastructure projects, and growing emphasis on sustainability to drive market

TABLE 123 SAUDI ARABIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 124 SAUDI ARABIA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5.5.1.2 UAE

11.5.5.1.2.1 Robust demand across key industries such as oil & gas, construction, and logistics to drive market

TABLE 125 UAE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 126 UAE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5.5.1.3 Rest of GCC

TABLE 127 REST OF GCC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)



TABLE 128 REST OF GCC: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5.5.2 South Africa

11.5.5.2.1 Rising exploration and production activities in oil & gas industry to create growth opportunities for market players

TABLE 129 SOUTH AFRICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 130 SOUTH AFRICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.5.5.3 Rest of Middle East & Africa

TABLE 131 REST OF MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 132 REST OF MIDDLE EAST & AFRICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.6 SOUTH AMERICA

11.6.1 IMPACT OF RECESSION ON PROGRESSING CAVITY PUMP MARKET IN SOUTH AMERICA

11.6.2 BY POWER RATING

TABLE 133 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 134 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.6.3 BY PUMPING CAPACITY

TABLE 135 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2020–2023 (USD MILLION)

TABLE 136 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY PUMPING CAPACITY, 2024–2029 (USD MILLION)

11.6.4 BY END USER

TABLE 137 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2020–2023 (USD MILLION)

TABLE 138 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY END USER, 2024–2029 (USD MILLION)

11.6.5 BY COUNTRY

TABLE 139 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2020–2023 (USD MILLION)

TABLE 140 SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY COUNTRY, 2024–2029 (USD MILLION)

11.6.5.1 Brazil

11.6.5.1.1 Presence of vast offshore oil reserves and expanding renewable energy



industry to drive demand

TABLE 141 BRAZIL: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 142 BRAZIL: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.6.5.2 Argentina

11.6.5.2.1 Presence of extensive unconventional hydrocarbon reserves to drive demand

TABLE 143 ARGENTINA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 144 ARGENTINA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.6.5.3 Chile

11.6.5.3.1 High demand in mining, agriculture, and renewable energy industries to drive market

TABLE 145 CHILE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 146 CHILE: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

11.6.5.4 Rest of South America

TABLE 147 REST OF SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2020–2023 (USD MILLION)

TABLE 148 REST OF SOUTH AMERICA: PROGRESSING CAVITY PUMP MARKET, BY POWER RATING, 2024–2029 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 149 PROGRESSING CAVITY PUMP MARKET: OVERVIEW OF KEY STRATEGIES DEPLOYED BY TOP FIVE PLAYERS, JANUARY 2019–JUNE 2022 12.3 MARKET SHARE ANALYSIS, 2022

TABLE 150 PROGRESSING CAVITY PUMP MARKET: DEGREE OF COMPETITION, 2022

FIGURE 41 PROGRESSING CAVITY PUMP MARKET SHARE ANALYSIS, 2022 12.4 REVENUE ANALYSIS, 2018–2022

FIGURE 42 PROGRESSING CAVITY PUMP MARKET: REVENUE ANALYSIS OF THREE KEY PLAYERS, 2018–2022

12.5 VALUATION AND FINANCIAL METRICS, 2024



FIGURE 43 EV/EBITDA OF KEY VENDORS

12.6 BRAND/PRODUCT COMPARISON

FIGURE 44 BRAND COMPARISON

12.7 COMPANY EVALUATION MATRIX: KEY PLAYERS, 2023

12.7.1 STARS

12.7.2 PERVASIVE PLAYERS

12.7.3 EMERGING LEADERS

12.7.4 PARTICIPANTS

FIGURE 45 PROGRESSING CAVITY PUMP MARKET: COMPANY EVALUATION

MATRIX (KEY PLAYERS), 2023

12.7.5 COMPANY FOOTPRINT: KEY PLAYERS, 2023

12.7.5.1 Pumping capacity footprint

TABLE 151 COMPANY PUMPING CAPACITY FOOTPRINT

12.7.5.2 End user footprint

TABLE 152 COMPANY END USER FOOTPRINT

12.7.5.3 Regional footprint

TABLE 153 COMPANY REGION FOOTPRINT

12.7.5.4 Overall footprint

TABLE 154 COMPANY OVERALL FOOTPRINT

12.8 COMPANY EVALUATION MATRIX: START-UPS/SMES, 2023

12.8.1 PROGRESSIVE COMPANIES

12.8.2 RESPONSIVE COMPANIES

12.8.3 DYNAMIC COMPANIES

12.8.4 STARTING BLOCKS

FIGURE 46 PROGRESSING CAVITY PUMP MARKET: COMPANY EVALUATION

MATRIX (START-UPS/SMES), 2023

12.8.5 COMPETITIVE BENCHMARKING: START-UPS/SMES, 2023

12.8.5.1 List of key start-ups/SMEs

TABLE 155 PROGRESSING CAVITY PUMP MARKET: LIST OF KEY START-

UPS/SMES

12.8.5.2 Competitive benchmarking of key start-ups/SMEs

TABLE 156 PROGRESSING CAVITY PUMP MARKET: COMPETITIVE

BENCHMARKING OF KEY START-UPS/SMES

12.9 COMPETITIVE SCENARIOS AND TRENDS

12.9.1 PRODUCT LAUNCHES

TABLE 157 PROGRESSING CAVITY PUMP MARKET: PRODUCT LAUNCHES,

JANUARY 2018-APRIL 2022

12.9.2 DEALS

TABLE 158 PROGRESSING CAVITY PUMP MARKET: DEALS, AUGUST



2020-MARCH 2022

12.9.3 EXPANSIONS

TABLE 159 PROGRESSING CAVITY PUMP MARKET: EXPANSIONS, FEBRUARY

2020-APRIL 2022

12.9.4 OTHERS

TABLE 160 PROGRESSING CAVITY PUMP MARKET: OTHERS, JULY 2020

13 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, MNM view)*

13.1 KEY PLAYERS

13.1.1 NETZSCH

TABLE 161 NETZSCH: COMPANY OVERVIEW TABLE 162 NETZSCH: PRODUCTS OFFERED

TABLE 163 NETZSCH: EXPANSIONS

13.1.2 PCM

TABLE 164 PCM: COMPANY OVERVIEW TABLE 165 PCM: PRODUCTS OFFERED

TABLE 166 PCM: DEALS TABLE 167 PCM: OTHERS

13.1.3 NOV INC.

TABLE 168 NOV INC.: COMPANY OVERVIEW FIGURE 47 NOV INC.: COMPANY SNAPSHOT TABLE 169 NOV INC.: PRODUCTS OFFERED TABLE 170 NOV INC.: PRODUCT LAUNCHES

TABLE 171 NOV INC.: DEALS

13.1.4 CIRCOR INTERNATIONAL

TABLE 172 CIRCOR INTERNATIONAL: COMPANY OVERVIEW FIGURE 48 CIRCOR INTERNATIONAL: COMPANY SNAPSHOT TABLE 173 CIRCOR INTERNATIONAL: PRODUCTS OFFERED TABLE 174 CIRCOR INTERNATIONAL: PRODUCT LAUNCHES

TABLE 175 CIRCOR INTERNATIONAL: EXPANSIONS

13.1.5 SLB

TABLE 176 SLB: COMPANY OVERVIEW FIGURE 49 SLB: COMPANY SNAPSHOT TABLE 177 SLB: PRODUCTS OFFERED

TABLE 178 SLB: DEALS

TABLE 179 SLB: EXPANSIONS

TABLE 180 SLB: OTHERS



13.1.6 SEEPEX GMBH (INGERSOLL RAND INC.)

TABLE 181 SEEPEX GMBH: COMPANY OVERVIEW

TABLE 182 SEEPEX GMBH: PRODUCTS OFFERED

TABLE 183 SEEPEX GMBH: PRODUCT LAUNCHES

TABLE 184 SEEPEX GMBH: DEALS

13.1.7 CHAMPIONX

TABLE 185 CHAMPIONX: COMPANY OVERVIEW

FIGURE 50 CHAMPIONX: COMPANY SNAPSHOT

TABLE 186 CHAMPIONX: PRODUCTS OFFERED

TABLE 187 CHAMPIONX: DEALS

13.1.8 SULZER

TABLE 188 SULZER: COMPANY OVERVIEW

FIGURE 51 SULZER: COMPANY SNAPSHOT

TABLE 189 SULZER: PRODUCTS OFFERED

TABLE 190 SULZER: PRODUCT LAUNCHES

TABLE 191 SULZER: DEALS

TABLE 192 SULZER: OTHERS

13.1.9 XYLEM

TABLE 193 XYLEM: BUSINESS OVERVIEW

FIGURE 52 XYLEM: COMPANY SNAPSHOT, 2023

TABLE 194 XYLEM: PRODUCTS OFFERED

TABLE 195 XYLEM: PRODUCT LAUNCHES

TABLE 196 XYLEM: DEALS

TABLE 197 XYLEM: OTHERS

13.1.10 WILO SE

TABLE 198 WILO SE: COMPANY OVERVIEW

FIGURE 53 WILO SE: COMPANY SNAPSHOT

TABLE 199 WILO SE: PRODUCTS OFFERED

TABLE 200 WILO SE: DEALS

TABLE 201 WILO SE: EXPANSIONS

13.1.11 VERDER LIQUIDS

TABLE 202 VERDER LIQUIDS: COMPANY OVERVIEW

TABLE 203 VERDER LIQUIDS: PRODUCTS OFFERED

TABLE 204 VERDER LIQUIDS: DEALS

13.1.12 VARISCO

TABLE 205 VARISCO: COMPANY OVERVIEW

TABLE 206 VARISCO: PRODUCTS OFFERED

13.1.13 DELTA PD PUMPS

TABLE 207 DELTA PD PUMPS: COMPANY OVERVIEW



TABLE 208 DELTA PD PUMPS: PRODUCTS OFFERED

13.1.14 NOVA ROTORS

TABLE 209 NOVA ROTORS: COMPANY OVERVIEW TABLE 210 NOVA ROTORS: PRODUCTS OFFERED

13.1.15 ROTO PUMPS

TABLE 211 ROTO PUMPS: COMPANY OVERVIEW FIGURE 54 ROTO PUMPS: COMPANY SNAPSHOT TABLE 212 ROTO PUMPS: PRODUCTS OFFERED

13.1.16 VOGELSANG

TABLE 213 VOGELSANG: COMPANY OVERVIEW TABLE 214 VOGELSANG: PRODUCTS OFFERED

13.1.17 INOXPA INDIA PVT. LTD.

TABLE 215 INOXPA INDIA PVT. LTD.: COMPANY OVERVIEW TABLE 216 INOXPA INDIA PVT. LTD.: PRODUCTS OFFERED

13.1.18 SHANGHAI GL ENVIRONMENTAL TECHNOLOGY CO., LTD.

TABLE 217 SHANGHAI GL ENVIRONMENTAL TECHNOLOGY CO., LTD.: COMPANY OVERVIEW

TABLE 218 SHANGHAI GL ENVIRONMENTAL TECHNOLOGY CO., LTD.:

PRODUCTS OFFERED

13.1.19 TAPFLO

TABLE 219 TAPFLO: COMPANY OVERVIEW TABLE 220 TAPFLO: PRODUCTS OFFERED

13.1.20 SPI PUMPS

TABLE 221 SPI PUMPS: COMPANY OVERVIEW TABLE 222 SPI FLOW: PRODUCTS OFFERED

13.2 OTHER PLAYERS

13.2.1 ZHEJIANG YONJOU TECHNOLOGY CO., LTD

13.2.2 FRISTUM PUMPS INDIA PVT. LTD.

13.2.3 PSP PUMPS

13.2.4 SPX FLOW, INC.

13.2.5 GEA GERMANY GMBH

*Details on Business overview, Products/Services/Solutions offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

14 APPENDIX

14.1 INSIGHTS FROM INDUSTRY EXPERTS

14.2 DISCUSSION GUIDE

14.3 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL



14.4 CUSTOMIZATION OPTIONS14.5 RELATED REPORTS14.6 AUTHOR DETAILS



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