

## **Hydrogen Compressors Market by Lubrication Type (Oil-based, Oil-free), Type (Mechanical, Non-mechanical), Application (Hydrogen Infrastructure, Industrial (Oil Refining, Chemicals & Petrochemicals), Design Region - Global Forecast to 2028**

Market Report | 2024-02-05 | 197 pages | MarketsandMarkets

### **AVAILABLE LICENSES:**

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

### **Report description:**

The global hydrogen compressors market is estimated to grow from USD 2.1 billion in 2023 to USD 2.6 billion by 2028; it is expected to record a CAGR of 4.5% during the forecast period. Growing investments in hydrogen-related infrastructure and projects from both the public and private sectors contribute to the growth of the hydrogen compressor industry. These investments accelerate the adoption and commercialization of hydrogen compressor technology. Government subsidies and regulatory frameworks aimed at promoting clean energy technologies further drive the growth of the hydrogen compressor market.

"Oil-based compressor: The largest segment of the hydrogen compressors market, by lubrication type. "

Based on lubrication type, the hydrogen compressors market is split into two segments: oil-based & oil-free. Oil-based compressors dominate the hydrogen compressor industry because they are more efficient than oil-free compressors. Oil-based compressors employ oil as a cooling medium, absorbing around 80% of the heat generated by the compressor during compression, resulting in higher efficiency. They are deemed appropriate for a variety of industrial applications that demand increased compression. The increased investment in the oil and gas sector is expected to raise demand for hydrogen compressors.

"The hydrogen value chain/infrastructure, by end-use application, is expected to be the fastest growing segment during the forecast period."

Based on end-use application, the hydrogen compressors market has been split into hydrogen value chain/infrastructure & Industrial application. The hydrogen compressors market for hydrogen value chain/infrastructure is anticipated to be the fastest growing market share over the forecast period. It is further divided into Hydrogen production & storage, Transportation, hydrogen refueling stations, hydrogen fuel cells. There are lot of initiatives & billions of dollars being invested in the market by both

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

government & private companies. For example, The Biden-Harris Administration stated that seven regional clean hydrogen hubs in the United States will receive a total of USD 7 billion in funding. These centers are planned to produce more than three million metric tons of clean hydrogen per year, helping the United States meet its clean hydrogen production goal by 2030. Efforts are being made to construct new hydrogen pipeline networks, with an emphasis on overcoming the specific problems posed by hydrogen's characteristics to pipeline materials and compressor design. One of the major initiatives in Europe is a partnership between Phillips 66 and H2 Energy Europe to build a network of around 250 hydrogen refueling stations by 2026.

"North America is expected to be the second largest growing region in the hydrogen compressor market."

North America is expected to be the second largest region in the hydrogen compressors market during the forecast period. The region's emphasis on sustainable energy, as well as the increasing usage of hydrogen fuel cell vehicles, are all contributing to market growth. Furthermore, the United States Department of Energy's financing and support for R&D efforts has resulted in multiple patents and new technologies in the market, cementing North America's position as a pioneer in hydrogen compressor production. One of the recent contracts in the region includes collaboration between the National Renewable Energy Laboratory (NREL) and Toyota Motor North America in developing a one-megawatt proton exchange membrane fuel cell system showcases advancements in large-scale power production using hydrogen fuel cells which will lead to need in hydrogen compressors. Companies in the United States have been making investments to increase their market share in the hydrogen compressor sector. This includes the development of improved compressor technologies specifically designed for hydrogen production, transit, and use. Ariel Corporation, Atlas Copco Group, and Burckhardt Compression AG are among the prominent players in the region.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information and assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 60%, Tier 2- 25%, and Tier 3- 15%

By Designation: C-Level- 35%, Director Level- 25%, and Others- 40%

By Region: North America- 25%, Europe- 25%, Asia Pacific- 30%, South America - 10%, Middle East & Africa - 10%

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

Note: The tiers of the companies are defined on the basis of their total revenues as of 2022. Tier 1: > USD 1 billion, Tier 2: From USD 500 million to USD 1 billion, and Tier 3: < USD 500 million

The hydrogen compressors market is dominated by a few major players that have a wide regional presence. The leading players in the hydrogen compressors market are Atlas Copco AB (Sweden), Linde plc (Ireland), Siemens Energy (Germany), Air Products and Chemicals, Inc. (US), Ingersoll Rand (US). The major strategy adopted by the players includes new product launches, contracts, agreements, partnerships, joint ventures, acquisitions, and investments & expansions.

Research Coverage:

The report defines, describes, and forecasts the global hydrogen compressors market by technology, lubrication type, by design, end-use application and region. It also offers a detailed qualitative and quantitative analysis of the market. The report comprehensively reviews the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market. These include an analysis of the competitive landscape, market dynamics, market estimates in terms of value, and future trends in the hydrogen compressor market.

Key Benefits of Buying the Report

- Government initiatives at the national and international levels amplify the impact of investment on the electrolyzer market.

Robust policy frameworks, often accompanied by financial incentives, subsidies, and regulatory support, encourage widespread adoption of hydrogen compressors for green hydrogen production. Factors such as high initial cost and lack of infrastructure restrain the growth of the market. The growing energy transition towards renewable energy sources and rapid urbanization are expected to present lucrative opportunities for the players operating in the hydrogen compressor market.

- Product Development/ Innovation: The new HAUG.Sirius NanoLoc compressor is the first compressor which combines J.P. Sauer &

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

Sohn's high-pressure competence with HAUG Sauer Kompressoren AG's oil-free expertise. The machines are entirely dry-running and hermetically gas-tight and are intended for applications requiring absolute process safety and purity. The compressor, with an ultimate pressure of 450 bar, allows for oil-free compression of nearly any gas.

-□Market Development: Atlas Copco Compressors is partnering with Hoffman & Hoffman to develop a new distributor agreement for Atlas Copco's whole line of industrial process cooling solutions. Hoffman & Hoffman will exclusively represent the product line throughout South Carolina, North Carolina, Virginia, and Tennessee.

-□Market Diversification: Investments by Ingersoll Rand in India. Ingersoll Rand, a global leader in mission-critical flow creation and industrial technologies, is investing in its Indian operations to promote expanded technological innovation, hydrogen compressor manufacture and testing, and manufacturing capacity development. At its world-class manufacturing site in Naroda, Gujarat, it has introduced energy-efficient Heat-of-compression (HOC) dryers.

-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players, like include as Atlas Copco AB (Sweden), Linde plc (Ireland), Siemens Energy (Germany), Air Products and Chemicals, Inc. (US), Ingersoll Rand (US), among others in the hydrogen compressor market.

## **Table of Contents:**

1□INTRODUCTION□	27
1.1□STUDY OBJECTIVES□	27
1.2□MARKET DEFINITION□	28
1.2.1□INCLUSIONS AND EXCLUSIONS□	28
1.3□STUDY SCOPE□	29
1.3.1□MARKET SEGMENTATION□	29
1.3.2□REGIONAL SCOPE□	29
1.3.3□YEARS CONSIDERED□	30
1.3.4□CURRENCY CONSIDERED□	30
1.4□LIMITATIONS□	30
1.5□STAKEHOLDERS□	31
1.6□RECESSION IMPACT ON HYDROGEN COMPRESSORS MARKET□	31
2□RESEARCH METHODOLOGY□	32
2.1□RESEARCH DATA□	32
FIGURE 1□HYDROGEN COMPRESSORS MARKET: RESEARCH DESIGN□	32
2.1.1□SECONDARY DATA□	33
2.1.1.1□Key data from secondary sources□	33
2.1.2□PRIMARY DATA□	33
2.1.2.1□Key data from primary sources□	34
2.1.2.2□Breakdown of primaries□	34
FIGURE 2□HYDROGEN COMPRESSORS MARKET: BREAKDOWN OF PRIMARIES□	35
2.2□DATA TRIANGULATION□	35
FIGURE 3□HYDROGEN COMPRESSORS MARKET: DATA TRIANGULATION□	36
2.3□MARKET SIZE ESTIMATION□	36
2.3.1□BOTTOM-UP APPROACH□	37
FIGURE 4□HYDROGEN COMPRESSORS MARKET: BOTTOM-UP APPROACH□	37
2.3.2□TOP-DOWN APPROACH□	37
FIGURE 5□HYDROGEN COMPRESSORS MARKET: TOP-DOWN APPROACH□	38
2.3.3□DEMAND-SIDE ANALYSIS□	38
FIGURE 6□HYDROGEN COMPRESSORS MARKET: DEMAND-SIDE ANALYSIS□	38
FIGURE 7□KEY METRICS CONSIDERED TO ANALYZE DEMAND FOR HYDROGEN COMPRESSORS□	39
2.3.3.1□Demand-side assumptions□	39

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

2.3.3.2	Demand-side calculations	39
2.3.4	SUPPLY-SIDE ANALYSIS	40
FIGURE 8	KEY METRICS CONSIDERED TO ANALYZE SUPPLY OF HYDROGEN COMPRESSORS	40
FIGURE 9	HYDROGEN COMPRESSORS MARKET: SUPPLY-SIDE ANALYSIS	40
2.3.4.1	Supply-side assumptions and calculations	41
FIGURE 10	HYDROGEN COMPRESSORS MARKET: MARKET SHARE ANALYSIS, 2022	41
2.4	FORECAST	41
2.5	STUDY LIMITATIONS	42
2.6	RISK ASSESSMENT	42
2.7	RECESSION IMPACT	42
3	EXECUTIVE SUMMARY	43
TABLE 1	HYDROGEN COMPRESSORS MARKET SNAPSHOT	44
FIGURE 11	MECHANICAL COMPRESSORS SEGMENT TO DOMINATE HYDROGEN COMPRESSORS MARKET, BY TYPE, IN 2028	44
FIGURE 12	INDUSTRIAL SEGMENT TO ACCOUNT FOR LARGER SHARE OF HYDROGEN COMPRESSORS MARKET, BY APPLICATION, DURING FORECAST PERIOD	45
FIGURE 13	MULTI-STAGE SEGMENT TO LEAD HYDROGEN COMPRESSORS MARKET, BY DESIGN, IN 2028	46
FIGURE 14	OIL-BASED SEGMENT TO ACCOUNT FOR LARGER SHARE OF HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, DURING FORECAST PERIOD	46
FIGURE 15	ASIA PACIFIC HELD LARGEST SHARE OF HYDROGEN COMPRESSORS MARKET IN 2022	47
4	PREMIUM INSIGHTS	48
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN HYDROGEN COMPRESSORS MARKET	48
FIGURE 16	INCREASING DEMAND FOR CLEAN ENERGY AND INDUSTRIAL GROWTH TO DRIVE MARKET DURING FORECAST PERIOD	48
4.2	HYDROGEN COMPRESSORS MARKET, BY REGION	48
FIGURE 17	HYDROGEN COMPRESSORS MARKET TO WITNESS FASTEST GROWTH IN ASIA PACIFIC DURING FORECAST PERIOD	48
4.3	HYDROGEN COMPRESSORS MARKET, BY TYPE	49
FIGURE 18	MECHANICAL COMPRESSORS SEGMENT DOMINATED HYDROGEN COMPRESSORS MARKET IN 2022	49
4.4	HYDROGEN COMPRESSORS MARKET, BY DESIGN	49
FIGURE 19	MULTI-STAGE SEGMENT HELD LARGER SHARE OF HYDROGEN COMPRESSORS MARKET IN 2022	49
4.5	HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE	50
FIGURE 20	OIL-BASED SEGMENT ACCOUNTED FOR LARGER SHARE OF HYDROGEN COMPRESSORS MARKET IN 2022	50
4.6	HYDROGEN COMPRESSORS MARKET, BY APPLICATION	50
FIGURE 21	INDUSTRIAL SEGMENT ACCOUNTED FOR LARGER SHARE OF HYDROGEN COMPRESSORS MARKET IN 2022	50
4.7	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY APPLICATION AND COUNTRY	51
FIGURE 22	INDUSTRIAL APPLICATION AND CHINA DOMINATED HYDROGEN COMPRESSORS MARKET IN ASIA PACIFIC IN 2022	51
5	MARKET OVERVIEW	52
5.1	INTRODUCTION	52
5.2	MARKET DYNAMICS	53
FIGURE 23	HYDROGEN COMPRESSORS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	53
5.2.1	DRIVERS	53
5.2.1.1	Government initiatives and policies to curb greenhouse gas (GHG) emissions	53
FIGURE 24	CUMULATIVE EMISSION REDUCTION, BY MITIGATION MEASURE, 2021-2050	54
5.2.1.2	Substantial clean energy investments in developing economies	54
FIGURE 25	GLOBAL CLEAN ENERGY INVESTMENTS, 2015-2023	55
5.2.1.3	Rising demand for oil-free hydrogen compressors	55
5.2.2	RESTRAINTS	55
5.2.2.1	High maintenance cost of hydrogen compressors	55
5.2.2.2	Safety standards associated with hydrogen compressors	55

5.2.3	OPPORTUNITIES	56
5.2.3.1	Increasing emphasis on net-zero carbon emission goals	56
5.2.3.2	Expansion of hydrogen refueling infrastructure	56
5.2.3.3	Increased demand for hydrogen compressors from oil & gas industry	57
5.2.4	CHALLENGES	57
5.2.4.1	Underdeveloped hydrogen infrastructure	57
5.3	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	57
FIGURE 26	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	58
5.4	PRICING ANALYSIS	58
5.4.1	AVERAGE SELLING PRICE TREND, BY REGION	58
TABLE 2	AVERAGE SELLING PRICE TREND, BY REGION	58
5.4.2	INDICATIVE PRICING TREND, BY TYPE	58
5.5	SUPPLY CHAIN ANALYSIS	59
FIGURE 27	HYDROGEN COMPRESSORS MARKET: SUPPLY CHAIN ANALYSIS	59
5.5.1	RAW MATERIAL SUPPLIERS	59
5.5.2	COMPONENT PROVIDERS	59
5.5.3	HYDROGEN COMPRESSOR MANUFACTURERS	59
5.5.4	END USERS	60
TABLE 3	HYDROGEN COMPRESSORS MARKET: ROLE OF COMPANIES IN SUPPLY CHAIN	60
5.6	ECOSYSTEM/MARKET MAP	61
FIGURE 28	HYDROGEN COMPRESSORS MARKET: ECOSYSTEM/MARKET MAP	61
5.7	TRADE ANALYSIS	62
5.7.1	EXPORT SCENARIO	62
TABLE 4	EXPORT DATA FOR PRODUCTS COVERED UNDER HS CODE 280410, BY COUNTRY, 2020-2022 (USD THOUSAND)	62
FIGURE 29	EXPORT DATA FOR HS CODE 280410-COMPLIANT PRODUCTS, BY COUNTRY, 2020-2022 (USD THOUSAND)	62
5.7.2	IMPORT SCENARIO	63
TABLE 5	IMPORT DATA FOR PRODUCTS COVERED UNDER HS CODE 280410, BY COUNTRY, 2020-2022 (USD THOUSAND)	63
FIGURE 30	IMPORT DATA FOR HS CODE 280410-COMPLIANT PRODUCTS, BY COUNTRY, 2020-2022 (USD THOUSAND)	63
5.8	TECHNOLOGY ANALYSIS	63
5.8.1	RECIPROCATING COMPRESSORS	64
5.8.2	ROTARY COMPRESSORS	64
5.8.3	IONIC COMPRESSORS	64
5.8.4	CENTRIFUGAL COMPRESSORS	64
5.8.5	NON-MECHANICAL COMPRESSORS	64
5.9	CASE STUDY ANALYSIS	64
5.9.1	ADOPTION OF HYDROGEN COMPRESSION FOR FUELING STATIONS	64
5.9.1.1	Problem statement	64
5.9.1.2	Solution	64
5.9.2	HOWDEN AND PIONEER EPC CONTRACTOR PARTNERED TO INTEGRATE HYDROGEN COMPRESSORS IN REFINERIES	65
5.9.2.1	Problem statement	65
5.9.2.2	Solution	65
5.10	KEY CONFERENCES AND EVENTS, 2024-2025	65
TABLE 6	HYDROGEN COMPRESSORS MARKET: LIST OF KEY CONFERENCES AND EVENTS, 2024-2025	65
5.11	PATENT ANALYSIS	68
FIGURE 31	HYDROGEN COMPRESSORS MARKET: PATENTS APPLIED AND GRANTED, 2013-2023	68
5.11.1	LIST OF MAJOR PATENTS	69
TABLE 7	HYDROGEN COMPRESSORS: INNOVATIONS AND PATENT REGISTRATIONS, MARCH 2019-DECEMBER 2023	69

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

5.12	TARIFF AND REGULATORY LANDSCAPE	71
5.12.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	71
TABLE 8	NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	71
TABLE 9	EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	72
TABLE 10	ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	73
5.12.2	HYDROGEN COMPRESSORS MARKET: REGULATORY FRAMEWORK	73
TABLE 11	REGULATORY FRAMEWORK: HYDROGEN COMPRESSORS MARKET, BY REGION	73
5.13	PORTER'S FIVE FORCES ANALYSIS	74
FIGURE 32	HYDROGEN COMPRESSORS MARKET: PORTER'S FIVE FORCES ANALYSIS	74
TABLE 12	HYDROGEN COMPRESSORS MARKET: IMPACT OF PORTER'S FIVE FORCES, 2022	75
5.13.1	THREAT OF NEW ENTRANTS	75
5.13.2	BARGAINING POWER OF SUPPLIERS	75
5.13.3	BARGAINING POWER OF BUYERS	76
5.13.4	THREAT OF SUBSTITUTES	76
5.13.5	INTENSITY OF COMPETITIVE RIVALRY	76
5.14	KEY STAKEHOLDERS AND BUYING CRITERIA	77
5.14.1	KEY STAKEHOLDERS IN BUYING PROCESS	77
FIGURE 33	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS	77
TABLE 13	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS, BY APPLICATION (%)	77
5.14.2	BUYING CRITERIA	77
FIGURE 34	BUYING CRITERIA FOR TOP 3 APPLICATIONS	77
6	HYDROGEN COMPRESSORS MARKET, BY TYPE	78
6.1	INTRODUCTION	79
FIGURE 35	HYDROGEN COMPRESSORS MARKET SHARE, IN TERMS OF VALUE, BY TYPE, 2022	79
TABLE 14	HYDROGEN COMPRESSORS MARKET, BY TYPE, 2022-2028 (USD MILLION)	79
6.2	MECHANICAL COMPRESSORS	80
6.2.1	SUITABILITY FOR VARIOUS APPLICATIONS TO PROPEL DEMAND FOR MECHANICAL COMPRESSORS	80
6.2.1.1	Reciprocating compressors	80
6.2.1.2	Rotary compressors	80
6.2.1.3	Ionic compressors	80
6.2.1.4	Centrifugal compressors	80
TABLE 15	MECHANICAL COMPRESSORS: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	81
6.3	NON-MECHANICAL COMPRESSORS	81
6.3.1	ADVANTAGES SUCH AS LACK OF MOVING PARTS AND COMPACT SIZE TO INDUCE DEMAND FOR NON-MECHANICAL COMPRESSORS	81
6.3.1.1	Metal hydride compressors	81
6.3.1.2	Electrochemical hydrogen compressors (EHCs)	82
6.3.1.3	Adsorption-desorption compressors	82
TABLE 16	NON-MECHANICAL COMPRESSORS: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	82
7	HYDROGEN COMPRESSORS MARKET, BY DESIGN	83
7.1	INTRODUCTION	84
FIGURE 36	HYDROGEN COMPRESSORS MARKET SHARE, IN TERMS OF VALUE, BY DESIGN, 2022	84
TABLE 17	HYDROGEN COMPRESSORS MARKET, BY DESIGN, 2022-2028 (USD MILLION)	84
7.2	SINGLE-STAGE	84
7.2.1	GROWING INVESTMENTS IN OIL REFINERIES TO PROPEL DEMAND FOR SINGLE-STAGE HYDROGEN COMPRESSORS	84
TABLE 18	SINGLE-STAGE: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	85
7.3	MULTI-STAGE	85

7.3.1	USE OF MULTI-STAGE COMPRESSORS IN HEAVY-DUTY APPLICATIONS TO DRIVE SEGMENT	85
TABLE 19	MULTI-STAGE: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	85
8	HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE	86
8.1	INTRODUCTION	87
FIGURE 37	HYDROGEN COMPRESSORS MARKET SHARE, IN TERMS OF VALUE, BY LUBRICATION TYPE, 2022	87
TABLE 20	HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, 2022-2028 (USD MILLION)	87
8.2	OIL-BASED COMPRESSORS	88
8.2.1	RELIABILITY AND VERSATILE NATURE TO FUEL DEMAND FOR OIL-BASED COMPRESSORS	88
TABLE 21	OIL-BASED COMPRESSORS: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	88
8.3	OIL-FREE COMPRESSORS	89
8.3.1	ABILITY TO PROVIDE HIGH-QUALITY AIR FREE FROM CONTAMINATION TO BOOST DEMAND FOR OIL-FREE COMPRESSORS	89
TABLE 22	OIL-FREE COMPRESSORS: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	89
9	HYDROGEN COMPRESSORS MARKET, BY APPLICATION	90
9.1	INTRODUCTION	91
FIGURE 38	HYDROGEN COMPRESSORS MARKET SHARE, IN TERMS OF VALUE, BY APPLICATION, 2022	91
TABLE 23	HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	91
TABLE 24	HYDROGEN COMPRESSORS MARKET, BY HYDROGEN INFRASTRUCTURE APPLICATION, 2022-2028 (USD MILLION)	92
TABLE 25	HYDROGEN COMPRESSORS MARKET, BY INDUSTRIAL APPLICATION, 2022-2028 (USD MILLION)	92
9.2	HYDROGEN INFRASTRUCTURE	92
TABLE 26	HYDROGEN INFRASTRUCTURE: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	92
9.2.1	HYDROGEN STORAGE & PIPELINE TRANSPORTATION	93
9.2.1.1	Need to increase storage density and minimize storage volume to boost adoption of hydrogen compressors	93
TABLE 27	HYDROGEN STORAGE & PIPELINE TRANSPORTATION: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	93
9.2.2	HYDROGEN REFUELING STATIONS	94
9.2.2.1	Increased adoption of fuel cell vehicles to drive segment	94
TABLE 28	HYDROGEN REFUELING STATIONS: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	94
9.3	INDUSTRIAL	94
TABLE 29	INDUSTRIAL: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	95
9.3.1	OIL REFINING	95
9.3.1.1	Growing use of hydrogen in various oil refining processes to drive segment	95
TABLE 30	OIL REFINING: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	96
9.3.2	CHEMICAL & PETROCHEMICAL	96
9.3.2.1	Increasing demand for chemical- and petrochemical-derived products to drive segment	96
TABLE 31	CHEMICAL & PETROCHEMICAL: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	97
9.3.3	OTHER INDUSTRIAL APPLICATIONS	97
TABLE 32	OTHER INDUSTRIAL APPLICATIONS: HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	98
10	HYDROGEN COMPRESSORS MARKET, BY REGION	99
10.1	INTRODUCTION	100
FIGURE 39	HYDROGEN COMPRESSORS MARKET SHARE, IN TERMS OF VALUE, BY REGION, 2022	100
FIGURE 40	HYDROGEN COMPRESSORS MARKET TO REGISTER HIGHEST CAGR IN ASIA PACIFIC FROM 2023 TO 2028	101
TABLE 33	HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (USD MILLION)	101
TABLE 34	HYDROGEN COMPRESSORS MARKET, BY REGION, 2022-2028 (UNITS)	102
10.2	NORTH AMERICA	102
FIGURE 41	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET SNAPSHOT	103
10.2.1	NORTH AMERICA: RECESSION IMPACT	103
10.2.2	BY LUBRICATION TYPE	104

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 35	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, 2022-2028 (USD MILLION)	104
10.2.3	BY TYPE	104
TABLE 36	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY TYPE, 2022-2028 (USD MILLION)	104
10.2.4	BY DESIGN	104
TABLE 37	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY DESIGN, 2022-2028 (USD MILLION)	104
10.2.5	BY APPLICATION	104
TABLE 38	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	104
TABLE 39	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY HYDROGEN INFRASTRUCTURE APPLICATION, 2022-2028 (USD MILLION)	105
TABLE 40	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY INDUSTRIAL APPLICATION, 2022-2028 (USD MILLION)	105
TABLE 41	NORTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	105
10.2.5.1	US	105
10.2.5.1.1	Growing oil and gas exploration operations to boost demand for hydrogen compressors	105
TABLE 42	US: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	106
10.2.5.2	Canada	106
10.2.5.2.1	Investment by key players in hydrogen compressors and new technologies to augment market growth	106
TABLE 43	CANADA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	107
10.3	ASIA PACIFIC	107
FIGURE 42	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET SNAPSHOT	108
10.3.1	ASIA PACIFIC: RECESSION IMPACT	108
10.3.2	BY LUBRICATION TYPE	109
TABLE 44	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, 2022-2028 (USD MILLION)	109
10.3.3	BY TYPE	109
TABLE 45	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY TYPE, 2022-2028 (USD MILLION)	109
10.3.4	BY DESIGN	109
TABLE 46	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY DESIGN, 2022-2028 (USD MILLION)	109
10.3.5	BY APPLICATION	110
TABLE 47	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	110
TABLE 48	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY HYDROGEN INFRASTRUCTURE APPLICATION, 2022-2028 (USD MILLION)	110
TABLE 49	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY INDUSTRIAL APPLICATION, 2022-2028 (USD MILLION)	110
10.3.6	BY COUNTRY	111
TABLE 50	ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	111
10.3.6.1	China	111
10.3.6.1.1	Focus on domestic production of hydrogen compressors to foster market growth	111
TABLE 51	CHINA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	112
10.3.6.2	Japan	112
10.3.6.2.1	Government push toward carbon neutrality to boost adoption of hydrogen compressors	112
TABLE 52	JAPAN: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	112
10.3.6.3	South Korea	113
10.3.6.3.1	Focus on developing hydrogen refueling stations in coming years to create opportunities for market players	113
TABLE 53	SOUTH KOREA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	113
10.3.6.4	India	113
10.3.6.4.1	Growing hydrogen exploration operations to drive market	113
TABLE 54	INDIA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	114
10.3.6.5	Australia	114
10.3.6.5.1	Significant potential for hydrogen production and government focus on renewable energy to drive market	114



TABLE 55	AUSTRALIA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	115
10.3.6.6	Rest of Asia Pacific	115
TABLE 56	REST OF ASIA PACIFIC: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	115
10.4	EUROPE	116
10.4.1	EUROPE: RECESSION IMPACT	116
10.4.2	BY LUBRICATION TYPE	116
TABLE 57	EUROPE: HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, 2022-2028 (USD MILLION)	116
10.4.3	BY TYPE	116
TABLE 58	EUROPE: HYDROGEN COMPRESSORS MARKET, BY TYPE, 2022-2028 (USD MILLION)	116
10.4.4	BY DESIGN	117
TABLE 59	EUROPE: HYDROGEN COMPRESSORS MARKET, BY DESIGN, 2022-2028 (USD MILLION)	117
10.4.5	BY APPLICATION	117
TABLE 60	EUROPE: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	117
TABLE 61	EUROPE: HYDROGEN COMPRESSORS MARKET, BY HYDROGEN INFRASTRUCTURE APPLICATION, 2022-2028 (USD MILLION)	117
TABLE 62	EUROPE: HYDROGEN COMPRESSORS MARKET, BY INDUSTRIAL APPLICATION, 2022-2028 (USD MILLION)	117
10.4.6	BY COUNTRY	118
TABLE 63	EUROPE: HYDROGEN COMPRESSORS MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	118
10.4.6.1	Germany	118
10.4.6.1.1	Efforts to advance hydrogen infrastructure and promote shift toward green energy to drive market	118
TABLE 64	GERMANY: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	119
10.4.6.2	France	119
10.4.6.2.1	Investment by key players in hydrogen compressors to propel market	119
TABLE 65	FRANCE: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	119
10.4.6.3	UK	120
10.4.6.3.1	Government focus on transitioning to low-carbon economy to favor market growth	120
TABLE 66	UK: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	120
10.4.6.4	Italy	120
10.4.6.4.1	Demand from refining and chemicals industries to underpin market growth	120
TABLE 67	ITALY: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	121
10.4.6.5	Norway	121
10.4.6.5.1	Active participation in development of hydrogen compressors and storage systems to support market growth	121
TABLE 68	NORWAY: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	121
10.4.6.6	Rest of Europe	122
TABLE 69	REST OF EUROPE: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	122
10.5	MIDDLE EAST & AFRICA	122
10.5.1	MIDDLE EAST & AFRICA: RECESSION IMPACT	123
10.5.2	BY LUBRICATION TYPE	123
TABLE 70	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, 2022-2028 (USD MILLION)	123
10.5.3	BY TYPE	123
TABLE 71	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY TYPE, 2022-2028 (USD MILLION)	123
10.5.4	BY DESIGN	123
TABLE 72	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY DESIGN, 2022-2028 (USD MILLION)	123
10.5.5	BY APPLICATION	124
TABLE 73	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	124
TABLE 74	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY HYDROGEN INFRASTRUCTURE APPLICATION, 2022-2028 (USD MILLION)	124

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

TABLE 75	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY INDUSTRIAL APPLICATION, 2022-2028 (USD MILLION)	124
10.5.6	BY COUNTRY	125
TABLE 76	MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	125
TABLE 77	GCC COUNTRIES: HYDROGEN COMPRESSORS MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	125
10.5.6.1	GCC Countries	126
10.5.6.1.1	Saudi Arabia	126
10.5.6.1.1.1	Substantial investments in hydrogen generation by government to drive market	126
TABLE 78	SAUDI ARABIA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	126
10.5.6.1.2	UAE	127
10.5.6.1.2.1	Significant investments in hydrogen sector to drive market	127
TABLE 79	UAE: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	127
10.5.6.1.3	Qatar	127
10.5.6.1.3.1	Investment by key players in R&D Activities to boost market growth	127
TABLE 80	QATAR: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	128
10.5.6.1.4	Rest of GCC	128
TABLE 81	REST OF GCC: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	128
10.5.6.2	South Africa	129
10.5.6.2.1	Active government investments in hydrogen-related initiatives to drive market	129
TABLE 82	SOUTH AFRICA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	129
10.5.6.3	Rest of Middle East & Africa	129
TABLE 83	REST OF MIDDLE EAST & AFRICA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	130
10.6	SOUTH AMERICA	130
10.6.1	RECESSION IMPACT: SOUTH AMERICA	130
10.6.2	BY LUBRICATION TYPE	131
TABLE 84	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY LUBRICATION TYPE, 2022-2028 (USD MILLION)	131
10.6.3	BY TYPE	131
TABLE 85	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY TYPE, 2022-2028 (USD MILLION)	131
10.6.4	BY DESIGN	131
TABLE 86	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY DESIGN, 2022-2028 (USD MILLION)	131
10.6.5	BY APPLICATION	131
TABLE 87	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	131
TABLE 88	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY HYDROGEN INFRASTRUCTURE APPLICATION, 2022-2028 (USD MILLION)	132
TABLE 89	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY INDUSTRIAL APPLICATION, 2022-2028 (USD MILLION)	132
TABLE 90	SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY COUNTRY, 2022-2028 (USD MILLION)	132
10.6.5.1	Brazil	133
10.6.5.1.1	Collaborations and partnerships among key players and government bodies to drive market expansion	133
TABLE 91	BRAZIL: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	133
10.6.5.2	Argentina	133
10.6.5.2.1	Investment by key players in hydrogen compressors and new technologies to boost market	133
TABLE 92	ARGENTINA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	134
10.6.5.3	Rest of South America	134
10.6.5.4	By application	134
TABLE 93	REST OF SOUTH AMERICA: HYDROGEN COMPRESSORS MARKET, BY APPLICATION, 2022-2028 (USD MILLION)	134
11	COMPETITIVE LANDSCAPE	135
11.1	OVERVIEW	135

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

11.2	STRATEGIES ADOPTED BY KEY PLAYERS, 2019-2023	135
11.3	MARKET SHARE ANALYSIS, 2022	136
TABLE 94	HYDROGEN COMPRESSORS MARKET: DEGREE OF COMPETITION	136
FIGURE 43	MARKET SHARE ANALYSIS OF TOP PLAYERS, 2022	136
11.4	REVENUE ANALYSIS, 2020-2022	137
FIGURE 44	REVENUE ANALYSIS, 2020-2022	137
11.5	COMPETITIVE SCENARIOS AND TRENDS	137
11.5.1	DEALS	137
TABLE 95	HYDROGEN COMPRESSORS MARKET: DEALS, 2019-2023	138
11.5.2	OTHERS	139
TABLE 96	HYDROGEN COMPRESSORS MARKET: OTHERS, NOVEMBER 2022	139
11.6	COMPANY EVALUATION MATRIX: KEY PLAYERS	140
11.6.1	STARS	140
11.6.2	EMERGING LEADERS	140
11.6.3	PERVASIVE PLAYERS	140
11.6.4	PARTICIPANTS	140
FIGURE 45	HYDROGEN COMPRESSORS MARKET: COMPANY EVALUATION MATRIX (KEY COMPANIES), 2022	141
11.6.5	COMPANY FOOTPRINT	142
TABLE 97	HYDROGEN COMPRESSOR MARKET: MARKET FOOTPRINT	142
TABLE 98	OVERALL COMPANY FOOTPRINT (KEY PLAYERS)	143
TABLE 99	TYPE: COMPANY FOOTPRINT (KEY PLAYERS)	144
TABLE 100	LUBRICATION TYPE: COMPANY FOOTPRINT (KEY PLAYERS)	144
TABLE 101	DESIGN: COMPANY FOOTPRINT (KEY PLAYERS)	145
TABLE 102	APPLICATION: COMPANY FOOTPRINT (KEY PLAYERS)	146
TABLE 103	REGION: COMPANY FOOTPRINT (KEY PLAYERS)	147
11.7	COMPANY EVALUATION MATRIX: OTHER PLAYERS	148
11.7.1	STARS	148
11.7.2	EMERGING LEADERS	148
11.7.3	PERVASIVE PLAYERS	148
11.7.4	PARTICIPANTS	148
FIGURE 46	HYDROGEN COMPRESSORS MARKET: COMPANY EVALUATION MATRIX (OTHER PLAYERS), 2022	149
11.7.5	COMPETITIVE BENCHMARKING	150
TABLE 104	HYDROGEN COMPRESSORS MARKET: COMPETITIVE BENCHMARKING OF OTHER PLAYERS	150
TABLE 105	PRODUCT: COMPANY FOOTPRINT (OTHER PLAYERS)	150
TABLE 106	TYPE: COMPANY FOOTPRINT (OTHER PLAYERS)	151
TABLE 107	LUBRICATION TYPE: COMPANY FOOTPRINT (OTHER PLAYERS)	151
TABLE 108	DESIGN: COMPANY FOOTPRINT (OTHER PLAYERS)	152
TABLE 109	APPLICATION: COMPANY FOOTPRINT (OTHER PLAYERS)	152
TABLE 110	REGION: COMPANY FOOTPRINT (OTHER PLAYERS)	153
12	COMPANY PROFILES	154
12.1	KEY COMPANIES	154
	(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*	
12.1.1	ATLAS COPCO AB	154
TABLE 111	ATLAS COPCO AB: COMPANY OVERVIEW	154
FIGURE 47	ATLAS COPCO AB: COMPANY SNAPSHOT	155
TABLE 112	ATLAS COPCO AB: PRODUCTS/SERVICES/SOLUTIONS OFFERED	155

TABLE 113	ATLAS COPCO AB: PRODUCT LAUNCHES	156
TABLE 114	ATLAS COPCO AB: DEALS	156
12.1.2	LINDE PLC	158
TABLE 115	LINDE PLC: COMPANY OVERVIEW	158
FIGURE 48	LINDE PLC: COMPANY SNAPSHOT	159
TABLE 116	LINDE PLC: PRODUCTS/SERVICES/SOLUTIONS OFFERED	159
TABLE 117	LINDE PLC: DEALS	160
12.1.3	AIR PRODUCTS AND CHEMICALS, INC.	161
TABLE 118	AIR PRODUCTS AND CHEMICALS, INC.: COMPANY OVERVIEW	161
FIGURE 49	AIR PRODUCTS AND CHEMICALS, INC.: COMPANY SNAPSHOT	162
TABLE 119	AIR PRODUCTS AND CHEMICALS, INC.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	162
TABLE 120	AIR PRODUCTS AND CHEMICALS, INC.: DEALS	163
TABLE 121	AIR PRODUCTS AND CHEMICALS, INC.: OTHERS	163
12.1.4	INGERSOLL RAND	164
TABLE 122	INGERSOLL RAND: COMPANY OVERVIEW	164
FIGURE 50	INGERSOLL RAND: COMPANY SNAPSHOT	165
TABLE 123	INGERSOLL RAND: PRODUCTS/SERVICES/SOLUTIONS OFFERED	165
TABLE 124	INGERSOLL RAND: DEALS	166
TABLE 125	INGERSOLL RAND: OTHERS	166
12.1.5	SIEMENS ENERGY	168
TABLE 126	SIEMENS ENERGY: COMPANY OVERVIEW	168
FIGURE 51	SIEMENS ENERGY: COMPANY SNAPSHOT	169
TABLE 127	SIEMENS ENERGY: PRODUCTS/SERVICES/SOLUTIONS OFFERED	169
12.1.6	MITSUBISHI HEAVY INDUSTRIES, LTD.	171
TABLE 128	MITSUBISHI HEAVY INDUSTRIES, LTD.: COMPANY OVERVIEW	171
FIGURE 52	MITSUBISHI HEAVY INDUSTRIES, LTD.: COMPANY SNAPSHOT	172
TABLE 129	MITSUBISHI INDUSTRIES, LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	172
12.1.7	KOBE STEEL, LTD.	173
TABLE 130	KOBE STEEL, LTD.: COMPANY OVERVIEW	173
FIGURE 53	KOBE STEEL, LTD.: COMPANY SNAPSHOT	174
TABLE 131	KOBE STEEL, LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	174
12.1.8	HITACHI INDUSTRIAL PRODUCTS, LTD.	175
TABLE 132	HITACHI INDUSTRIAL PRODUCTS, LTD.: COMPANY OVERVIEW	175
FIGURE 54	HITACHI INDUSTRIAL PRODUCTS, LTD.: COMPANY SNAPSHOT	176
TABLE 133	HITACHI INDUSTRIAL PRODUCTS, LTD.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	176
12.1.9	SUNDYNE	177
TABLE 134	SUNDYNE: COMPANY OVERVIEW	177
TABLE 135	SUNDYNE: PRODUCTS/SERVICES/SOLUTIONS OFFERED	177
TABLE 136	SUNDYNE: PRODUCT LAUNCHES	178
12.1.10	HOWDEN GROUP	179
TABLE 137	HOWDEN GROUP: COMPANY OVERVIEW	179
TABLE 138	HOWDEN GROUP: PRODUCTS/SERVICES/SOLUTIONS OFFERED	179
TABLE 139	HOWDEN GROUP: DEALS	180
12.1.11	NEUMAN & ESSER GROUP	181
TABLE 140	NEUMAN & ESSER GROUP: COMPANY OVERVIEW	181
TABLE 141	NEUMAN & ESSER GROUP: PRODUCTS/SERVICES/SOLUTIONS OFFERED	181
TABLE 142	NEUMAN & ESSER GROUP: DEALS	182

12.1.12	HAUG SAUER KOMPRESSOREN AG	183
TABLE 143	HAUG SAUER KOMPRESSOREN AG: COMPANY OVERVIEW	183
TABLE 144	HAUG SAUER KOMPRESSOREN AG: PRODUCTS/SERVICES/SOLUTIONS OFFERED	183
TABLE 145	HAUG SAUER KOMPRESSOREN AG: PRODUCT LAUNCHES	184
12.1.13	ARIEL CORPORATION	185
TABLE 146	ARIEL CORPORATION: COMPANY OVERVIEW	185
TABLE 147	ARIEL CORPORATION: PRODUCTS/SERVICES/SOLUTIONS OFFERED	185
TABLE 148	ARIEL CORPORATION: DEALS	186
12.1.14	INDIAN COMPRESSORS LTD	187
TABLE 149	INDIAN COMPRESSORS LTD: COMPANY OVERVIEW	187
TABLE 150	INDIAN COMPRESSORS LTD : PRODUCTS/SERVICES/SOLUTIONS OFFERED	187
12.1.15	ADICOMP S.R.L.	188
TABLE 151	ADICOMP S.R.L.: COMPANY OVERVIEW	188
TABLE 152	ADICOMP S.R.L.: PRODUCTS/SERVICES/SOLUTIONS OFFERED	188
12.2	OTHER PLAYERS	189
12.2.1	KEEPWIN TECHNOLOGY HEBEI CO., LTD	189
12.2.2	PURE ENERGY CENTRE	189
12.2.3	FLUITRON	190
12.2.4	CYRUS S.A.	190
12.2.5	AEROTECNICA COLTRI S.P.A.	191
12.2.6	HYDRO-PAC, INC.	191
12.2.7	SOLLANT	192
12.2.8	IDEX INDIA	192
12.2.9	MEHRER COMPRESSION GMBH	193
12.2.10	GRUPPO SIAD	193
*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)* might not be captured in case of unlisted companies.		
13	APPENDIX	194
13.1	INSIGHTS FROM INDUSTRY EXPERTS	194
13.2	DISCUSSION GUIDE	195
13.3	KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL	199
13.4	CUSTOMIZATION OPTIONS	201
13.5	RELATED REPORTS	201
13.6	AUTHOR DETAILS	202

**Hydrogen Compressors Market by Lubrication Type (Oil-based, Oil-free), Type (Mechanical, Non-mechanical), Application (Hydrogen Infrastructure, Industrial (Oil Refining, Chemicals & Petrochemicals), Design Region - Global Forecast to 2028**

Market Report | 2024-02-05 | 197 pages | MarketsandMarkets

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2025-05-20

Signature



**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)