

NA Electro Hydraulic Servo Valve Market - Industry Trends and Forecast to 2029

Market Report | 2022-10-01 | 148 pages | Data Bridge Market Research

AVAILABLE LICENSES:

- Single User License \$3500.00
- Corporate Users License \$4200.00

Report description:

North America electro hydraulic servo valve market is projected to register a CAGR of 5.1% in the forecast period of 2022 to 2029. The new market report contains data for the historic year 2020, the base year of calculation is 2021, and the forecast period is 2022 to 2029.

Market Segmentation:

North America Electro Hydraulic Servo Valve Market, By Stage Type (Single Stage, Two Stage, and Three Stages), Valve Type (Nozzle Flapper Valve, Jet Pipe Servo Valve, Dynamic Valve, Deflector Jet, and Others), LPM Type (Less Than 20 LPM and More Than 20 LPM), Application (Aerospace, Steel, Power, Chemical, Marine, Construction, Oil, and Others), Country (U.S., Canada, and Mexico) Industry Trends and Forecast to 2029

Some of the major factors contributing to the growth of the North America electro hydraulic servo valve market are:

- Expansion in the mining and oil and gas industries
- The increased resistance to load variations

Market Players

Some of the major players operating in electro hydraulic servo valve market are:

- MTS Systems
- Moog Inc.
- Atos spa
- PARKER HANNIFIN CORP
- Continental Hydraulics Inc.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- JASC
- Bosch Rexroth AG
- Woodward, Inc.
- Eaton
- Honeywell International Inc.
- Voith GmbH & Co. KGaA
- Star Hydraulics Limited
- SCHNEIDER SERVOHYDRAULICS
- HAWE Hydraulik SE
- DUPLOMATIC MS Spa

Table of Contents:

TABLE OF CONTENTS

| | | |
|---------|---|----|
| 1 | INTRODUCTION | 30 |
| 1.1 | OBJECTIVES OF THE STUDY | 30 |
| 1.2 | MARKET DEFINITION | 30 |
| 1.3 | OVERVIEW OF NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET | 30 |
| 1.4 | CURRENCY AND PRICING | 31 |
| 1.5 | LIMITATIONS | 32 |
| 1.6 | MARKETS COVERED | 32 |
| 2 | MARKET SEGMENTATION | 35 |
| 2.1 | MARKETS COVERED | 35 |
| 2.2 | YEARS CONSIDERED FOR THE STUDY | 36 |
| 2.3 | GEOGRAPHIC SCOPE | 37 |
| 2.4 | DBMR TRIPOD DATA VALIDATION MODEL | 38 |
| 2.5 | PRIMARY INTERVIEWS WITH KEY OPINION LEADERS | 41 |
| 2.6 | DBMR MARKET POSITION GRID | 42 |
| 2.7 | VENDOR SHARE ANALYSIS | 44 |
| 2.8 | MARKET END-USER COVERAGE GRID | 45 |
| 2.9 | MULTIVARIATE MODELLING | 46 |
| 2.10 | STAGE TYPE CURVE | 46 |
| 2.11 | SECONDARY SOURCES | 47 |
| 2.12 | ASSUMPTIONS | 47 |
| 3 | EXECUTIVE SUMMARY | 48 |
| 4 | PREMIUM INSIGHTS | 51 |
| 4.1 | STANDARDS | 52 |
| 4.1.1 | TECHNICAL DETAILS OF THE SERVO VALVE EACH COMPANY IS OFFERING, LIKE PRESSURE, FREQUENCY | 52 |
| 4.1.1.1 | MOOG INC. | 52 |
| 4.1.1.2 | PARKER HANNIFIN CORP | 53 |
| 4.1.1.3 | ATOS SPA | 54 |
| 4.1.1.4 | HONEYWELL INTERNATIONAL INC. | 54 |
| 4.1.1.5 | VOITH GMBH & CO. KGAA | 54 |
| 5 | MARKET OVERVIEW | 55 |
| 5.1 | DRIVERS | 57 |
| 5.1.1 | INCREASE IN THE ADOPTION OF ELECTRO-HYDRAULIC SERVO VALVES IN THE AVIATION SECTOR | 57 |

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

| | | |
|-------|--|----|
| 5.1.2 | HIGH DEMAND FOR NOZZLE FLAPPER ELECTRO HYDRAULIC SERVO VALVES | 57 |
| 5.1.3 | UPSURGE IN THE EXPLORATION WITH OIL, GAS, AND MINING FIRMS | 58 |
| 5.2 | RESTRAINTS | 59 |
| 5.2.1 | HIGH COST OF ELECTRO-HYDRAULIC SERVO VALVES | 59 |
| 5.2.2 | VALVE LIMITATIONS DUE TO PHYSICAL FACTORS | 59 |
| 5.3 | OPPORTUNITIES | 60 |
| 5.3.1 | RISE IN THE DEMAND FOR ELECTRIFICATION | 60 |
| 5.3.2 | GROWING INDUSTRIAL OPERATIONS IN MINING, OIL, AND GAS INDUSTRIES | 61 |
| 5.3.3 | RISE IN THE ACQUISITION AND PARTNERSHIP AMONG MARKET PLAYERS | 62 |
| 5.4 | CHALLENGES | 63 |
| 5.4.1 | CONTAMINATION OF FILTERS USED IN THE VALVES | 63 |
| 5.4.2 | HIGHER PROBABILITY OF ADVANCEMENT FOR TECHNICAL SUBSTITUTES | 63 |
| 6 | NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET, BY STAGE TYPE | 65 |
| 6.1 | OVERVIEW | 66 |
| 6.2 | TWO STAGE SERVO VALVE | 67 |
| 6.3 | SINGLE STAGE SERVO VALVE | 68 |
| 6.4 | THREE STAGE SERVO VALVE | 68 |
| 7 | NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET, BY VALVE TYPE | 69 |
| 7.1 | OVERVIEW | 70 |
| 7.2 | NOZZLE FLAPPER VALVE | 71 |
| 7.3 | JET PIPE SERVO VALVE | 72 |
| 7.4 | DEFLECTOR JET | 72 |
| 7.5 | OTHERS | 73 |
| 8 | NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET, BY LPM TYPE | 74 |
| 8.1 | OVERVIEW | 75 |
| 8.2 | MORE THAN 20 LPM | 76 |
| 8.3 | LESS THAN 20 LPM | 77 |
| 9 | NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET, BY APPLICATION | 78 |
| 9.1 | OVERVIEW | 79 |
| 9.2 | AEROSPACE | 80 |
| 9.2.1 | NOZZLE FLAPPER VALVE | 81 |
| 9.2.2 | JET PIPE SERVO VALVE | 81 |
| 9.2.3 | DEFLECTOR JET | 81 |
| 9.2.4 | OTHERS | 81 |
| 9.3 | ENERGY INDUSTRY | 82 |
| 9.3.1 | NOZZLE FLAPPER VALVE | 82 |
| 9.3.2 | JET PIPE SERVO VALVE | 82 |
| 9.3.3 | DEFLECTOR JET | 82 |
| 9.3.4 | OTHERS | 83 |
| 9.4 | STEEL INDUSTRY | 83 |
| 9.4.1 | NOZZLE FLAPPER VALVE | 83 |
| 9.4.2 | JET PIPE SERVO VALVE | 83 |
| 9.4.3 | DEFLECTOR JET | 84 |
| 9.4.4 | OTHERS | 84 |
| 9.5 | CHEMICAL INDUSTRY | 84 |
| 9.5.1 | NOZZLE FLAPPER VALVE | 85 |
| 9.5.2 | JET PIPE SERVO VALVE | 85 |

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

| | | |
|--------|---|-----|
| 9.5.3 | DEFLECTOR JET | 85 |
| 9.5.4 | OTHERS | 85 |
| 9.6 | MARINE INDUSTRY | 85 |
| 9.6.1 | NOZZLE FLAPPER VALVE | 86 |
| 9.6.2 | JET PIPE SERVO VALVE | 86 |
| 9.6.3 | DEFLECTOR JET | 86 |
| 9.6.4 | OTHERS | 86 |
| 9.7 | CONSTRUCTION INDUSTRY | 87 |
| 9.7.1 | NOZZLE FLAPPER VALVE | 87 |
| 9.7.2 | JET PIPE SERVO VALVE | 87 |
| 9.7.3 | DEFLECTOR JET | 87 |
| 9.7.4 | OTHERS | 88 |
| 9.8 | OTHERS | 88 |
| 10 | NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET, BY REGION | 89 |
| 10.1 | NORTH AMERICA | 90 |
| 10.1.1 | U.S. | 97 |
| 10.1.2 | CANADA | 101 |
| 10.1.3 | MEXICO | 105 |
| 11 | NORTH AMERICA ELECTRO HYDRAULIC SERVO VALVE MARKET: COMPANY LANDSCAPE | 109 |
| 11.1 | COMPANY SHARE ANALYSIS: NORTH AMERICA | 109 |
| 12 | SWOT ANALYSIS | 110 |
| 13 | COMPANY PROFILE | 111 |
| 13.1 | MOOG INC | 111 |
| 13.1.1 | COMPANY SNAPSHOT | 111 |
| 13.1.2 | REVENUE ANALYSIS | 112 |
| 13.1.3 | COMPANY SHARE ANALYSIS | 112 |
| 13.1.4 | PRODUCT PORTFOLIO | 113 |
| 13.1.5 | RECENT DEVELOPMENTS | 113 |
| 13.2 | PARKER HANNIFIN CORP (2021) | 114 |
| 13.2.1 | COMPANY SNAPSHOT | 114 |
| 13.2.2 | REVENUE ANALYSIS | 114 |
| 13.2.3 | COMPANY SHARE ANALYSIS | 115 |
| 13.2.4 | PRODUCT PORTFOLIO | 115 |
| 13.2.5 | RECENT DEVELOPMENTS | 115 |
| 13.3 | ATOS SPA | 116 |
| 13.3.1 | COMPANY SNAPSHOT | 116 |
| 13.3.2 | COMPANY SHARE ANALYSIS | 116 |
| 13.3.3 | PRODUCT PORTFOLIO | 117 |
| 13.3.4 | RECENT DEVELOPMENT | 117 |
| 13.4 | HONEYWELL INTERNATIONAL INC. | 118 |
| 13.4.1 | COMPANY SNAPSHOT | 118 |
| 13.4.2 | REVENUE ANALYSIS | 118 |
| 13.4.3 | COMPANY SHARE ANALYSIS | 119 |
| 13.4.4 | PRODUCT PORTFOLIO | 119 |
| 13.4.5 | RECENT DEVELOPMENT | 119 |
| 13.5 | VOITH GMBH & CO. KGAA | 120 |
| 13.5.1 | COMPANY SNAPSHOT | 120 |

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

| | | |
|---------|---|-----|
| 13.5.2 | COMPANY SHARE ANALYSIS | 120 |
| 13.5.3 | PRODUCT PORTFOLIO | 121 |
| 13.5.4 | RECENT DEVELOPMENT | 121 |
| 13.6 | AVIATION INDUSTRY AVIC NANJING SERVO CONTROL SYSTEM CO., LTD. | 122 |
| 13.6.1 | COMPANY SNAPSHOT | 122 |
| 13.6.2 | PRODUCT PORTFOLIO | 122 |
| 13.6.3 | RECENT DEVELOPMENT | 122 |
| 13.7 | BOSCH REXROTH AG (A SUBSIDIARY OF ROBERT BOSCH GMBH) | 123 |
| 13.7.1 | COMPANY SNAPSHOT | 123 |
| 13.7.2 | REVENUE ANALYSIS | 123 |
| 13.7.3 | PRODUCT PORTFOLIO | 124 |
| 13.7.4 | RECENT DEVELOPMENTS | 125 |
| 13.8 | CONTINENTAL HYDRAULICS INC. | 126 |
| 13.8.1 | COMPANY SNAPSHOT | 126 |
| 13.8.2 | PRODUCT PORTFOLIO | 126 |
| 13.8.3 | RECENT DEVELOPMENT | 126 |
| 13.9 | DUPLOMATIC MS SPA | 127 |
| 13.9.1 | COMPANY SNAPSHOT | 127 |
| 13.9.2 | PRODUCT PORTFOLIO | 127 |
| 13.9.3 | RECENT DEVELOPMENTS | 127 |
| 13.10 | EATON | 129 |
| 13.10.1 | COMPANY SNAPSHOT | 129 |
| 13.10.2 | REVENUE ANALYSIS | 129 |
| 13.10.3 | PRODUCT PORTFOLIO | 130 |
| 13.10.4 | RECENT DEVELOPMENTS | 130 |
| 13.11 | Hawe HYDRAULIK SE | 131 |
| 13.11.1 | COMPANY SNAPSHOT | 131 |
| 13.11.2 | SOLUTION PORTFOLIO | 131 |
| 13.11.3 | RECENT DEVELOPMENTS | 131 |
| 13.12 | JASC | 133 |
| 13.12.1 | COMPANY SNAPSHOT | 133 |
| 13.12.2 | PRODUCT PORTFOLIO | 133 |
| 13.12.3 | RECENT DEVELOPMENT | 133 |
| 13.13 | MTS SYSTEMS | 134 |
| 13.13.1 | COMPANY SNAPSHOT | 134 |
| 13.13.2 | PRODUCT PORTFOLIO | 134 |
| 13.13.3 | RECENT DEVELOPMENTS | 134 |
| 13.14 | SCHNEIDER SERVOHYDRAULICS | 136 |
| 13.14.1 | COMPANY SNAPSHOT | 136 |
| 13.14.2 | PRODUCT PORTFOLIO | 136 |
| 13.14.3 | RECENT DEVELOPMENT | 137 |
| 13.15 | STAR HYDRAULICS LIMITED | 138 |
| 13.15.1 | COMPANY SNAPSHOT | 138 |
| 13.15.2 | PRODUCT PORTFOLIO | 138 |
| 13.15.3 | RECENT DEVELOPMENT | 139 |
| 13.16 | WOODWARD, INC. | 140 |
| 13.16.1 | COMPANY SNAPSHOT | 140 |

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 13.16.2 REVENUE ANALYSIS 141
- 13.16.3 PRODUCT PORTFOLIO 141
- 13.16.4 RECENT DEVELOPMENT 142
- 13.17 YUKEN KOGYO CO.,LTD 143
- 13.17.1 COMPANY SNAPSHOT 143
- 13.17.2 PRODUCT PORTFOLIO 143
- 13.17.3 RECENT DEVELOPMENTS 143
- 14 QUESTIONNAIRE 145
- 15 RELATED REPORTS 148

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

NA Electro Hydraulic Servo Valve Market - Industry Trends and Forecast to 2029

Market Report | 2022-10-01 | 148 pages | Data Bridge Market Research

To place an Order with Scotts International:

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

ORDER FORM:

| Select license | License | Price |
|----------------|-------------------------|-----------|
| | Single User License | \$3500.00 |
| | Corporate Users License | \$4200.00 |
| | | VAT |
| | | Total |

*Please circle the relevant license option. For any questions please contact support@scott's-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"/> |
| | | Date | <input type="text" value="2026-03-09"/> |
| | | Signature | <input type="text"/> |

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott's-international.com

www.scott's-international.com