Pressure Vessel Market by End-User Industry (Chemicals, Oil & Gas, Power, & Others), by Type (Boilers, Nuclear Reactors, Separators, & Others), by Material, & by Region - Global Forecast to 2021

Description: The pressure vessel market is expected to reach USD 184.87 billion by 2021, at a CAGR of 5.38% from 2016 to 2021. Power generation capacity addition and change in energy trends are the reasons behind the boost in its demand. In addition, end-user industries are deploying pressure vessels for power generation and processing raw materials to produce the final product, primarily in the chemicals & petrochemicals industry.

“Steel alloys the largest market, by material”

The steel alloys segment within the pressure vessel market is estimated to be have the largest size in 2016. Steel alloys are considered as high strength steel and are extensively used in fabricating pressure vessels to hold high pressure gases/liquids.

“Asia-Pacific the largest market”

Asia-Pacific is estimated to account for the largest market share, by value, in the pressure vessel market in 2016. It is one of the key markets for pressure vessel manufacturers and suppliers. In the Asian region, countries such as China and India are driving the market because of increasing investments in the energy sector, for enhancing power generating capacities, and investments in nuclear power plants. Additionally, the booming renewable sector and changing trends in energy demand have resulted in the increased demand for pressure vessels. All these factors are expected to boost the pressure vessel market in Asia-Pacific.

The primary participants for the report have been categorized on the basis of company type, designation, and region. The details are as follows:

- By Company Type: Tier 1 - 56%, Tier 2 - 24%, and Tier 3 - 20%
- By Designation: C level - 50%, Manager level - 31%, and Others - 19%
- By Region: The Middle East, South America, & Africa - 48%, Asia-Pacific - 24%, Europe - 15%, and North America - 13%

List of companies profiled in the report include:

- Mitsubishi Heavy Industries, Ltd. (Japan)
- Babcock and Wilcox Enterprises, Inc. (U.S.)
- Doosan Heavy Industries & Construction (South Korea)
- Bharat Heavy Electricals Limited (India)
- Larsen & Toubro Limited (India)
- Dongfang Electric Machinery Co., Ltd. (China)
- General Electric (U.S.)
- Halvorsen (U.S.)
- IHI Corporation (Japan)
- Pressure Vessels India (India)
- Samuel Pressure Vessel Group (U.S.)
- Westinghouse Electric Company LLC. (U.S.)

Why buy this report:

- The report offers market estimations and projections till 2021, and offers a complete study of the market dynamics. In addition, the report provides the competitive landscape with major growth strategies adopted by the key players.
- Product Analysis and Development: Insights on upcoming technologies, research & development activities, and new product launches in the pressure vessel market. In-depth analysis of the deployment of pressure vessel in various regions depicts a clear picture of the market scenario.
- Market Development: Includes information about lucrative emerging markets. The report also analyzes the pressure vessel market in regions across the globe.
- Market Diversification: Information about new products, untapped regions, recent developments, and investments decisions in the market. Description regarding related diversification pertaining to this market.
- Competitive Assessment: Assessment of market shares and company share analysis of key players. Business strategies and manufacturing capabilities of leading players enhance the bottomline of the companies in the pressure vessel market.

Contents:

1 Introduction
1.1 Objectives Of The Study
1.2 Market Definition
1.3 Market Scope
1.3.1 Markets Covered
1.3.2 Years Considered For The Study
1.4 Currency And Pricing
1.5 Limitations
1.6 Stakeholders
2 Research Methodology
  2.1 Research Data
  2.2 Secondary Data
  2.2.1 Key Data From Secondary Sources
  2.3 Primary Data
  2.3.1 Key Data From Primary Sources
  2.3.2 Key Industry Insights
  2.4 Breakdown Of Primaries
  2.5 Market Size Estimation
  2.5.1 Bottom-Up Approach
  2.5.2 Top-Down Approach
  2.6 Market Breakdown & Data Triangulation
  2.7 Research Assumptions & Limitations
  2.7.1 Assumptions
  2.7.2 Limitations
3 Executive Summary
  3.1 Historical Backdrop, Evolution, & Current Scenario
  3.2 Future Outlook
  3.3 Conclusion
4 Premium Insights
  4.1 Asia-Pacific Is Expected To Hold The Largest Market Share During The Forecast Period
  4.2 Pressure Vessel Market, By End-User Industry
  4.3 Pressure Vessel Market, By Material
  4.4 North America Pressure Vessel Market

5 Technical Overview
  5.1 Introduction
  5.2 Design Codes
  5.3 Construction Materials
  5.3.1 Steel
  5.3.1.1 Carbon Steel
  5.3.1.2 Stainless Steel
  5.3.1.3 Chromium - Molybdenum Alloys
  5.3.2 Other Alloys
  5.3.2.1 Gray Cast Iron
  5.3.2.2 Ductile Iron
  5.3.3 Composites
  5.4 Occupational Hazard & Safety
  5.4.1 Introduction
  5.4.2 Testing Methods Employed
  5.4.2.1 Visual Examination (Vt)
  5.4.2.2 Liquid Penetrant Test (Pit)
  5.4.2.3 Magnetic Particle Test (Mt)
  5.4.2.4 Gamma And X-Ray Radiography (Rt)
  5.4.2.5 Ultrasonic Test (Ut)
6 Market Overview
6.1 Introduction
6.2 Pressure Vessel: Market Segmentation
   6.2.1 By Type
   6.2.2 By Material
   6.2.3 By End-User Industry
   6.2.4 By Region
6.3 Market Dynamics
   6.3.1 Drivers
      6.3.1.1 Rapid Growth In The Middle East Chemical Industry
      6.3.1.2 Changing Trends In The Energy Industry
      6.3.1.3 Growing Power Generation Capacity
   6.3.2 Restraints
      6.3.2.1 Mining Industry Slowdown
      6.3.2.2 Declining Upstream Oil & Gas Industry
   6.3.3 Opportunities
      6.3.3.1 Emerging Manufacturing Industry In The Middle East
   6.3.4 Challenges
      6.3.4.1 Stagnant Industrial Growth In Developed Economies Such As North America & Europe
6.4 Supply Chain Analysis
6.5 Porter'S Five Forces Analysis
   6.5.1 Threat Of New Entrants
   6.5.2 Threat Of Substitutes
   6.5.3 Bargaining Power Of Suppliers
   6.5.4 Bargaining Power Of Buyers
   6.5.5 Intensity Of Rivalry
7 Pressure Vessel Market, By Material
7.1 Introduction
7.2 Steel Alloys
7.3 Other Alloys
7.4 Composites
8 Pressure Vessel Market, By Type
8.1 Introduction
8.2 Boilers
8.3 Nuclear Reactors
8.4 Separators
8.5 Others
9 Pressure Vessel Market, By End-User Industry
9.1 Introduction
9.2 Oil & Gas
9.3 Chemicals
9.4 Power Generation
9.5 Others
10 Pressure Vessel Market, By Region
10.1 Introduction
10.2 Asia-Pacific
   10.2.1 China
   10.2.2 India
   10.2.3 Japan
   10.2.4 Malaysia
   10.2.5 South Korea
   10.2.6 Australia
   10.2.7 Indonesia
   10.2.8 Rest Of Asia-Pacific
10.3 North America
   10.3.1 U.S.
   10.3.2 Canada
   10.3.3 Mexico
10.4 Europe
   10.4.1 U.K.
   10.4.2 Germany
10.4.3 France
10.4.4 Italy
10.4.5 Spain
10.4.6 The Netherlands
10.4.7 Norway
10.4.8 Rest Of Europe
10.5 Middle East & Africa
10.5.1 Saudi Arabia
10.5.2 Uae
10.5.3 Qatar
10.5.4 Kuwait
10.5.5 South Africa
10.5.6 Egypt
10.5.7 Nigeria
10.5.8 Algeria
10.5.9 Rest Of Middle East & Africa
10.6 South America
10.6.1 Brazil
10.6.2 Venezuela
10.6.3 Argentina
10.6.4 Chile
10.6.5 Rest Of South America
11 Competitive Landscape
11.1 Overview
11.2 Development Share Analysis, 2015
11.3 Competitive Situation & Trends
11.4 Contracts & Agreements
11.5 Expansions
11.6 New Product Developments
11.7 Mergers & Acquisitions
12 Company Profiles
(Company At A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent
Developments)*
12.1 Introduction
12.2 Babcock And Wilcox Enterprises, Inc.
12.3 Doosan Heavy Industries & Construction
12.4 Mitsubishi Heavy Industries, Ltd.
12.5 Bharat Heavy Electricals Limited
12.6 Larsen & Toubro Limited
12.7 Dongfang Electric Machinery Co., Ltd.
12.8 General Electric
12.9 Halvorsen
12.10 Ihi Corporation
12.11 Pressure Vessels (India)
12.12 Samuel Pressure Vessel Group
*Details On Company At A Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent
Developments Might Not Be Captured In Case Of Unlisted Companies.
13 Appendix
13.1 Insights Of Industry Experts

List of Tables
Table 1 List Of Pressure Vessel Codes
Table 2 Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 3 Steel Alloys: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 4 Other Alloys: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 5 Composites: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 6 Pressure Vessel Market Size, By Type, 2014 - 2021, (USD Billion)
Table 7 Boilers: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 8 Nuclear Reactors: Pressure Vessel Market Size, By Region, 2013-2020 (USD Billion)
Table 9 Separators: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 10 Others: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 11 Pressure Vessel Market Size, By End-User Industry, 2014 - 2021 (USD Billion)
Table 12 Oil & Gas: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 13 Chemicals: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 14 Power Generation: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 15 Others: Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 16 Pressure Vessel Market Size, By Region, 2014 - 2021 (USD Billion)
Table 17 Asia-Pacific: Pressure Vessel Market Size, By Country, 2014 - 2021 (USD Billion)
Table 18 Asia-Pacific: Pressure Vessel Market Size, By End-User Industry, 2014 - 2021 (USD Billion)
Table 19 Asia-Pacific: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 20 Asia-Pacific: Pressure Vessel Market Size, By Type, 2014 - 2021 (USD Billion)
Table 21 China: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 22 India: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 23 Japan: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 24 Malaysia: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 25 South Korea: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 26 Australia: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 27 Indonesia: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 28 Rest Of Asia-Pacific: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 29 North America: Pressure Vessel Market Size, By Country, 2014 - 2021 (USD Billion)
Table 30 North America: Pressure Vessel Market Size, By End-User Industry, 2014 - 2021 (USD Billion)
Table 31 North America: Pressure Vessel Market Size, By Type, 2014 - 2021 (USD Billion)
Table 32 North America: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 33 U.S.: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 34 Canada: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 35 Mexico: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 36 Europe: Pressure Vessel Market Size, By Country, 2013 - 2020 (USD Billion)
Table 37 Europe: Pressure Vessel Market Size, By End-User Industry, 2014 - 2021 (USD Billion)
Table 38 Europe: Pressure Vessel Market Size, By Type, 2014 - 2021 (USD Billion)
Table 39 Europe: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 40 U.K.: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 41 Germany: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 42 France: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 43 Italy: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 44 Spain: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 45 The Netherlands: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 46 Norway: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 47 Rest Of Europe: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 48 Middle East & Africa: Pressure Vessel Market Size, By Country, 2014 - 2021 (USD Billion)
Table 49 Middle East & Africa: Pressure Vessel Market Size, By End-User Industry, 2014 - 2021 (USD Billion)
Table 50 Middle East & Africa: Pressure Vessel Market Size, By Type, 2014 - 2021 (USD Billion)
Table 51 Middle East & Africa: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 52 Saudi Arabia: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 53 U.A.E: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 54 Qatar: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 55 Kuwait: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 56 South Africa: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 57 Egypt: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 58 Nigeria: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 59 Algeria: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 60 Rest Of Middle East & Africa: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 61 South America: Pressure Vessel Market Size, By Country, 2014 - 2021 (USD Billion)
Table 62 South America: Pressure Vessel Market Size, By End-User Industry, 2014 - 2021 (USD Billion)
Table 63 South America: Pressure Vessel Market Size, By Type, 2014 - 2021 (USD Billion)
Table 64 South America: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 65 Brazil: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 66 Venezuela: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 67 Argentina: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 68 Chile: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Million)
Table 69 Rest Of South America: Pressure Vessel Market Size, By Material, 2014 - 2021 (USD Billion)
Table 70 Contracts & Agreements, 2014 - 2015
Table 71 Expansions, 2015
Table 72 New Product Developments, 2014 - 2015
List of Figures

Figure 1 Pressure Vessel: Market Segmentation
Figure 2 Pressure Vessel Market: Research Design
Figure 3 Breakdown Of Primary Interviews: By Company Type, Designation, & Region
Figure 4 Market Size Estimation Methodology: Bottom-Up Approach
Figure 5 Market Size Estimation Methodology: Top-Down Approach
Figure 6 Data Triangulation Methodology
Figure 7 Asia-Pacific Accounted For The Largest Share (By Value) In The Pressure Vessel Market In 2015
Figure 8 Boilers Segment Is Expected To Dominate The Pressure Vessel Market During The Forecast Period
Figure 9 Steel Alloys Market Is Expected To Witness The Maximum Demand During The Forecast Period
Figure 10 Asia-Pacific Is Expected To Dominate The Pressure Vessel Market, 2016 - 2021
Figure 11 Pressure Vessel Market Size, By End-User Industry, 2016 - 2021
Figure 12 Top Market Developments (2014 - 2016)
Figure 13 Attractive Market Opportunities In The Pressure Vessel Market, 2016 - 2021
Figure 14 Asia-Pacific And Middle East & Africa Are Expected To Grow At A High CAGR During The Forecast Period
Figure 15 Chemicals End-User Industry Is Expected To Dominate The Pressure Vessel Market By 2021
Figure 16 Developing Countries To Grow Faster Than The Developed Ones During The Forecast Period
Figure 17 U.S. Accounted For The Largest Share (By Value) In The Pressure Vessel Market In 2015
Figure 18 Pressure Vessel Market Segmentation By Type, Material, End-User Industry, & Region
Figure 19 Market Dynamics: Pressure Vessel Market
Figure 20 Middle East: Chemical Industry Growth
Figure 21 Changing Energy Mix
Figure 22 Pressure Vessel Market: Supply Chain Analysis
Figure 23 Porter’s Five Forces Analysis: Pressure Vessel Market
Figure 24 Steel Alloys Segment Is Expected To Dominate The Market With The Highest Growth Rate During The Forecast Period
Figure 25 Steel Alloys Market In Asia-Pacific Is Projected To Be The Largest Market During The Forecast Period
Figure 26 Boilers Segment Is Expected To Dominate The Pressure Vessel Market During The Forecast Period
Figure 27 Chemicals Is The Largest Market For Pressure Vessel, 2016 - 2021
Figure 28 Chemicals End-User Industry, By Region, 2016 & 2021
Figure 29 Regional Snapshot (2015): Growing Markets Emerging As New Hot Spots
Figure 30 Pressure Vessel Market Size, By Region, 2016 - 2021 (USD Billion)
Figure 31 Asia-Pacific: Pressure Vessel Market Overview
Figure 32 North America: Pressure Vessel Market Overview
Figure 33 Companies Adopted Contracts & Agreements As The Key Growth Strategy, 2014 - 2016
Figure 34 Mitsubishi Heavy Industries, Ltd. Accounted For The Largest Development Share In The Pressure Vessel Market In 2015
Figure 35 Market Evaluation Framework
Figure 36 Battle For Market Share: Contracts & Agreements Was The Key Strategy, 2014 - 2016
Figure 37 Regional Revenue Mix Of The Top Five Market Players
Figure 38 Babcock And Wilcox Enterprises, Inc.: Company Snapshot
Figure 39 Babcock And Wilcox Enterprises, Inc.: Swot Analysis
Figure 40 Doosan Heavy Industries & Construction: Company Snapshot
Figure 41 Doosan Heavy Industries & Construction: Swot Analysis
Figure 42 Mitsubishi Heavy Industries, Ltd.: Company Snapshot
Figure 43 Mitsubishi Heavy Industries Ltd.: Swot Analysis
Figure 44 Bharat Heavy Electricals Limited: Company Snapshot
Figure 45 Bharat Heavy Electricals Limited: Swot Analysis
Figure 46 Larsen & Toubro Limited: Company Snapshot
Figure 47 Larsen & Toubro Limited: Swot Analysis
Figure 48 Dongfang Electric Machinery Co., Ltd.: Company Snapshot
Figure 49 General Electric: Company Snapshot
Figure 50 Ihi Corporation: Company Snapshot
Figure 51 Pressure Vessels (India): Company Snapshot
Ordering:

Order Online - [http://www.researchandmarkets.com/reports/3721420/](http://www.researchandmarkets.com/reports/3721420/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Pressure Vessel Market by End-User Industry (Chemicals, Oil & Gas, Power, & Others), by Type (Boilers, Nuclear Reactors, Separators, & Others), by Material, & by Region - Global Forecast to 2021
Web Address: http://www.researchandmarkets.com/reports/3721420/
Office Code: SCBRVJIY

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF)</td>
<td></td>
</tr>
<tr>
<td>Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: _______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World