

# Global Pressure Vessel Market Research Report 2016

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## Abstracts

This report studies Pressure Vessel in Global market, especially in North America, Europe, China, Japan, South Asia and India, focuses on top manufacturers in global market, with capacity, production, price, revenue and market share for each manufacturer, covering

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Mitsubishi Heavy Industries, Ltd.

Bharat Heavy Electricals Limited

Larsen & Toubro Limited

Dongfang Electric Machinery Co., Ltd.

GE

Halvorsen

IHI Corporation

Pressure Vessels

Samuel Pressure Vessel Group

Westinghouse Electric Company LLC.

Baglioni

Springs FAB

Eaton

Boardman

Hahn & Clay

Lagrange Products

Market Segment by Regions, this report splits Global into several key Regions, with production, consumption, revenue, market share and growth rate of Pressure Vessel in these regions, from 2011 to 2021 (forecast), like

North America

China

Europe

Japan

South Asia

India

Row

Split by Product Types, with production, revenue, price, market share and growth rate of each type, can be divided into

Process Vessel

Columns

Reactors

Gravity Separator

Drum

Heat Exchangers

Direct

Indirect

Storage Tanks

Underground (Horizontal)

Above Ground Vertical or Horizontal)

Cryogenic

Split by applications, this report focuses on consumption, market share and growth rate of Pressure Vessel in each application, can be divided into

Shipping Industry

Chemical Industry

Oil & Gas

Power Generation

Construction Industry

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## 1 Pressure Vessel Market Overview

### 1.1 Product Overview and Scope of Pressure Vessel

A pressure vessel is a container designed to hold gases or liquids at a pressure substantially different from the ambient pressure. The pressure differential is dangerous, and fatal accidents have occurred in the history of pressure vessel development and operation. Consequently, pressure vessel design, manufacture, and operation are regulated by engineering authorities backed by legislation. For these reasons, the definition of a pressure vessel varies from country to country, but involves parameters such as maximum safe operating pressure and temperature, and are engineered with a safety factor, corrosion allowance, minimum design temperature (for brittle fracture), and involve nondestructive testing, such as ultrasonic testing, radiography, and pressure tests, usually involving water, also known as a hydrotest, but could be pneumatically tested involving air or another gas.

Figure Picture of Pressure Vessel

Source: QYR Equipment Research Center, Dec. 2016

### 1.2 Pressure Vessel Segment by Types

#### 1.2.1 Global Production Market Share of Pressure Vessel by Types in 2015

Figure Global Production Market Share of Pressure Vessel by Types in 2015

Source: QYR Equipment Research Center, Dec. 2016

Table Classification of Pressure Vessel

Types Feature Description

1

2

3

Source: QYR Equipment Research Center, Dec. 2016

#### 1.2.2 Process Vessel

Figure Product Picture of Process Vessel

Source: QYR Equipment Research Center, Dec. 2016

Table Major Manufacturers of Process Vessel

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Equipment Research Center, Dec. 2016

##### 1.2.2.1 Columns

##### 1.2.2.2 Reactors

##### 1.2.2.3 Gravity Separator

##### 1.2.2.4 Drum

#### 1.2.3 Heat Exchangers

Figure Product Picture of Heat Exchangers

Source: QYR Equipment Research Center, Dec. 2016

Table Major Manufacturers of Heat Exchangers

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Equipment Research Center, Dec. 2016

##### 1.2.3.1 Direct

##### 1.2.3.2 Indirect

#### 1.2.4 Storage Tanks

Figure Product Picture of Storage Tanks

Source: QYR Equipment Research Center, Dec. 2016

Table Major Manufacturers of Storage Tanks

Manufacturers Location of Manufacturing Bases/Factories

1

2

3

Source: Above Companies; QYR Equipment Research Center, Dec. 2016

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#### 1.2.4.3 Cryogenic

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Table Pressure Vessel Consumption Market Share by Applications in 2015

Source: QYR Equipment Research Center, Dec. 2016

Table Applications of Pressure Vessel

Applications Feature Description

1

2

3

Source: QYR Equipment Research Center, Dec. 2016

#### 1.3.2 Shipping Industry

Shipping Industry

Figure Shipping Industry Examples

Source: QYR Equipment Research Center, Dec. 2016

#### 1.3.3 Chemical Industry

Chemical Industry

Figure Chemical Industry Examples

Source: QYR Equipment Research Center, Dec. 2016

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Oil & Gas

Figure Oil & Gas Examples

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Power Generation

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Source: QYR Equipment Research Center, Dec. 2016

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Source: QYR Equipment Research Center, Dec. 2016

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Doosan Heavy Industries & Construction

Mitsubishi Heavy Industries, Ltd.

Bharat Heavy Electricals Limited

Larsen & Toubro Limited

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Capacity Market Share of Key Manufacturers (2015 and 2016)

Capacity 2015 2016

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Mitsubishi Heavy Industries, Ltd.

Bharat Heavy Electricals Limited

Larsen & Toubro Limited

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

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Source: Above companies; QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Capacity of Key Manufacturers in 2016

Source: Above companies; QYR Equipment Research Center, Dec. 2016

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Doosan Heavy Industries & Construction

Mitsubishi Heavy Industries, Ltd.

Bharat Heavy Electricals Limited

Larsen & Toubro Limited

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Production Share by Manufacturers (2015 and 2016)

Production Share 2015 2016

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Figure 2015 Pressure Vessel Production Share by Manufacturers

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Figure 2016 Pressure Vessel Production Share by Manufacturers

Source: Above companies; QYR Equipment Research Center, Dec. 2016

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Table Global Pressure Vessel Revenue (Million USD) by Manufacturers (2015 and 2016)

Revenue 2015 2016

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Revenue Share by Manufacturers (2015 and 2016)

Revenue Share 2015 2016

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Table 2015 Global Pressure Vessel Revenue Share by Manufacturers

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Table 2016 Global Pressure Vessel Revenue Share by Manufacturers

Source: Above companies; QYR Equipment Research Center, Dec. 2016

2.3 Global Pressure Vessel Average Price by Manufacturers (2015 and 2016)

Table Global Market Pressure Vessel Average Price of Key Manufacturers (2015 and 2016)

2015 2016

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Total

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Figure Global Market Pressure Vessel Average Price of Key Manufacturers in 2015

Source: Above companies; QYR Equipment Research Center, Dec. 2016

2.4 Manufacturers Pressure Vessel Manufacturing Base Distribution, Sales Area, Product Types

Table Manufacturers Pressure Vessel Manufacturing Base Distribution and Sales Area  
Manufacturing Base Distribution Sales Area

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Table Manufacturers Pressure Vessel Product Types

Product Types

Babcock and Wilcox Enterprises, Inc.

Doosan Heavy Industries & Construction

Source: Above companies; QYR Equipment Research Center, Dec. 2016

2.5 Pressure Vessel Market Competitive Situation and Trends?

2.5.1 Pressure Vessel Market Concentration Rate

2.5.2 Pressure Vessel Market Share of Top 3 and Top 5 Manufacturers

Figure Pressure Vessel Market Share of Top 3 Manufacturers

Source: Above companies; QYR Equipment Research Center, Dec. 2016

Figure Pressure Vessel Market Share of Top 5 Manufacturers

Source: Above companies; QYR Equipment Research Center, Dec. 2016

2.5.3 Mergers & Acquisitions, Expansion

3 Global Pressure Vessel Capacity, Production, Revenue (Value) by Regions (2011-2016)

3.1 Global Pressure Vessel Capacity and Market Share by Regions (2011-2016)

Table Global Pressure Vessel Capacity by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Capacity Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Capacity Market Share by Regions (2011-2016)

Source: QYR Equipment Research Center, Dec. 2016

Figure 2015 Global Pressure Vessel Capacity Market Share by Regions

Source: QYR Equipment Research Center, Dec. 2016

3.2 Global Pressure Vessel Production and Market Share by Regions (2011-2016)

Table Global Pressure Vessel Production by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Production and Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Production Market Share by Regions (2011-2016)

Source: QYR Equipment Research Center, Dec. 2016

Figure 2015 Global Pressure Vessel Production Market Share by Regions

Source: QYR Equipment Research Center, Dec. 2016

3.3 Global Pressure Vessel Revenue (Value) and Market Share by Regions  
(2011-2016)

Table Global Pressure Vessel Revenue by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Revenue Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Table 2015 Global Pressure Vessel Revenue Market Share by Regions

Source: QYR Equipment Research Center, Dec. 2016

3.4 Global Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin

(2011-2016)

Table Global Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin  
(2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

3.5North America Pressure Vessel Capacity, Production, Revenue, Price and Gross  
Margin (2011-2016)

TableNorth America Pressure Vessel Capacity, Production, Revenue, Price and Gross  
Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

3.6 Europe Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin  
(2011-2016)

Table Europe Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin  
(2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost



## Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

### 3.7 China Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table China Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

### 3.8 Japan Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Japan Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

### 3.9 South Asia Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table South Asia Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue



Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

3.10 India Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table India Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

3.11 Row Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

Table Row Pressure Vessel Capacity, Production, Revenue, Price and Gross Margin (2011-2016)

2011 2012 2013 2014 2015 2016

Capacity

Production

Capacity Utilization Rate

Revenue

Price

Gross Profit

Cost

Gross Margin

Source: QYR Equipment Research Center, Dec. 2016

4 Global Pressure Vessel Supply (Production), Consumption, Export, Import by Regions (2011-2016)

4.1 Global Pressure Vessel Consumption by Regions (2011-2016)

Table Global Pressure Vessel Consumption Market by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Consumption Market Share by Regions (2011-2016)

2011 2012 2013 2014 2015 2016

North America

Europe

China

Japan

South Asia

India

Row

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Consumption Market Share by Regions (2011-2016)

Source: QYR Equipment Research Center, Dec. 2016

Figure 2015 Global Pressure Vessel Consumption Market Share by Regions

Source: QYR Equipment Research Center, Dec. 2016

4.2North America Pressure Vessel Production, Consumption, Export, Import by Regions (2011-2016)

TableNorth America Pressure Vessel Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

4.3 Europe Pressure Vessel Production, Consumption, Export, Import by Regions (2011-2016)

Table Europe Pressure Vessel Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

4.4 China Pressure Vessel Production, Consumption, Export, Import by Regions  
(2011-2016)

Table China Pressure Vessel Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

4.5 Japan Pressure Vessel Production, Consumption, Export, Import by Regions  
(2011-2016)

Table Japan Pressure Vessel Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

4.6 South Asia Pressure Vessel Production, Consumption, Export, Import by Regions  
(2011-2016)

Table South Asia Pressure Vessel Production, Consumption, Import & Export  
(2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

4.7 India Pressure Vessel Production, Consumption, Export, Import by Regions  
(2011-2016)

Table India Pressure Vessel Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

4.8 Row Pressure Vessel Production, Consumption, Export, Import by Regions  
(2011-2016)

Table Row Pressure Vessel Production, Consumption, Import & Export (2011-2016)

2011 2012 2013 2014 2015 2016

Production

Import

Export

Consumption

Source: QYR Equipment Research Center, Dec. 2016

5 Global Pressure Vessel Production, Revenue (Value), Price Trend by Types

5.1 Global Pressure Vessel Production and Market Share by Types (2011-2016)

Table Global Pressure Vessel Production by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Process Vessel

Heat Exchangers

Total

Source: QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Production Share by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Process Vessel

Heat Exchangers

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Production Market Share of Pressure Vessel by Types (2011-2016)

Source: QYR Equipment Research Center, Dec. 2016

Figure 2015 Production Market Share of Pressure Vessel by Types

Source: QYR Equipment Research Center, Dec. 2016

5.2 Global Pressure Vessel Revenue and Market Share by Types (2011-2016)

Table Global Pressure Vessel Revenue by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Process Vessel

Heat Exchangers

Total

Source: QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Revenue Share by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Process Vessel

Heat Exchangers

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Production Revenue Share of Pressure Vessel by Types (2011-2016)

Source: QYR Equipment Research Center, Dec. 2016

Figure 2015 Revenue Market Share of Pressure Vessel by Types

Source: QYR Equipment Research Center, Dec. 2016

5.3 Global Pressure Vessel Price by Type (2011-2016)

Table Global Pressure Vessel Price by Types (2011-2016)

2011 2012 2013 2014 2015 2016

Process Vessel

Heat Exchangers

Total

Source: QYR Equipment Research Center, Dec. 2016

5.4 Global Pressure Vessel Production Growth by Type (2011-2016)

Figure Global Pressure Vessel Production Growth by Type (2011-2016)

Source: QYR Equipment Research Center, Dec. 2016

6 Global Pressure Vessel Market Analysis by Applications

6.1 Global Pressure Vessel Consumption and Market Share by Applications  
(2011-2016)

Table Global Pressure Vessel Consumption by Applications (2011-2016)

2011 2012 2013 2014 2015 2016

Shipping Industry

Chemical Industry

Total

Source: QYR Equipment Research Center, Dec. 2016

Table Global Pressure Vessel Consumption Market Share by Applications (2011-2016)

2011 2012 2013 2014 2015 2016

Shipping Industry

Chemical Industry

Total

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pressure Vessel Consumption Market Share by Applications in 2015

Source: QYR Equipment Research Center, Dec. 2016

6.2 Global Pressure Vessel Consumption Growth Rate by Applications (2011-2016)

Table Global Pressure Vessel Consumption Growth Rate by Applications (2011-2016)

2011 2012 2013 2014 2015 2016

Shipping Industry

Chemical Industry

Source: QYR Equipment Research Center, Dec. 2016

Figure Global Pre

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