Industrial Valves - Global Strategic Business Report

Description: This report analyzes the worldwide markets for Industrial Valves in US$ Million by the following Product Group/Segments: Multi-turn Valves (Globe & Gate Valves, & Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves, & Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves. The market is also analyzed by the following End-Use Industry: Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Others. The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America.

Annual estimates and forecasts are provided for the period 2014 through 2020. Also, a seven-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research. Company profiles are primarily based on public domain information including company URLs.

The report profiles 793 companies including many key and niche players such as:

- The AVK Group
- Cameron
- Crane Co.
- Emerson Electric Co.
- Flowserve Corporation

Contents:

INDUSTRIAL VALVES

A GLOBAL STRATEGIC BUSINESS REPORT

CONTENTS

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS
   Study Reliability and Reporting Limitations
   Disclaimers
   Data Interpretation & Reporting Level
   Quantitative Techniques & Analytics
   Product Definitions and Scope of Study
   Multi-turn Valves
   Globe and Gate Valves
   Other Multi-turn Valves
   Check Valves
   Pinch & Diaphragm Valves
   Pinch Valves
   Diaphragm Valves
   Quarter-turn Valves
   Ball Valves
   Butterfly Valves
   Industrial Plug Valves
   Safety & Relief Valves
   Automated Control & Regulator Valves
   Control Valves
   Regulator Valves
   Other Industrial Valves
   Nuclear Valves
   Gas Cylinder Valves
   Waterworks Valves
   Steam Traps

II. EXECUTIVE SUMMARY
1. INDUSTRY OVERVIEW
Prelude
Current and Future Analysis
Asia-Pacific
Fastest Growing Market for Industrial Valves
Competitive Scenario
Consolidation in the Market, Inevi

Table 1: Leading Players in the Global Industrial Valves Market (2013): Percentage Share Breakdown of Revenues for Pentair, Cameron, Emerson Electric, Flowserve, ITT Corporation, Kitz, Crane Co., and Others (includes corresponding Graph/Chart)

Table 2: Leading Players in the Global Control Valves Market (2013): Percentage Share Breakdown of Value Sales for Emerson/Fisher, GE/Dresser, Flowserve, IMI, Weir, and Others (includes corresponding Graph/Chart)

Import-Export Statistics
Pressure Reducing Valves

Table 3: Global Exports of Pressure Reducing Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)

Table 4: Global Imports of Pressure Reducing Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

Valves for Oleohydraulic or Pneumatic Transmissions

Table 5: Global Exports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)

Table 6: Global Imports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

Check Valves

Table 7: Global Exports of Check Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)

Table 8: Global Imports of Check Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

Valves for Safety or Relief

Table 9: Global Exports of Valves for Safety or Relief (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)

Table 10: Global Imports of Valves for Safety or Relief (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

2. MARKET DYNAMICS
Emerging Markets: Growth Engines of the Future

Improvement in Global GDP Bodes Well for Market Growth

Table 11: World Real GDP Growth Rates in % (2012-2015): Breakdown by Country (includes corresponding Graph/Chart)

Economic Uncertainty Stifles Market Growth

Bumpy Road Ahead for Developed Economies

Europe Debt Crisis in Retrospect


Eurozone Economic Outlook

Table 12: Business Climate Indicator in the Eurozone Area from January 2013 to May 2014: Breakdown by Month (includes corresponding Graph/Chart)

3. END-USE SECTOR ANALYSIS
Oil and Gas Industry to Propel Demand

Oil & Gas Transmission

Opportunities for Valve Makers

Table 13: Worldwide Planned and Under Construction Pipeline Projects (2012): Percentage Share Breakdown of Pipeline Miles for Under Construction and Planned Projects (includes corresponding Graph/Chart)

Table 14: Worldwide Planned and Under Construction Pipeline Projects (2014): Percentage Share Breakdown of Pipeline Miles by Geographic Region (includes corresponding Graph/Chart)

Table 15: Global Pipeline Projects (2012-2017): Breakdown of Pipeline Length by Region (In ‘000 Kms) (includes corresponding Graph/Chart)

Strong Prospects in Petroleum Refining Bode Well for Valves Market

Power Generation: A Major End-Use Sector

Focus on Renewable Energy to Spur Demand for Valves
Pulp & Paper Industry
Unique Needs of Mills Set Demand Trends for Valves
Water & Wastewater Industry: Infrastructure Development Drives Need for Valves
Demand for Industrial Valves in Iron & Steel Industry to Continue Moving Upward Despite Challenging Market Conditions

4. MARKET TRENDS, DRIVERS AND ISSUES
Nuclear Valves Market Witnesses Growth
Table 16: World Nuclear Power Capacity (As of January 2014): Break-Up of Units and Capacity of Operational Nuclear Power Reactors by Country (includes corresponding Graph/Chart)
Table 17: Gross Capacity of Under Construction Nuclear Power Reactors Worldwide (As of 2013) (includes corresponding Graph/Chart)
Continuous Rise in Industrial Valve Prices
Emission Regulation
A Major Component in the Valve Industry
Standards and Specifications
List of Specifications Considered for International Standards Accreditation
Advancements for Monitoring Fugitive Emissions Drive Growth
Control Valves
An Important Segment of Industrial Valves Market
Table 18: Global Control Valves Market by End-Use Sector (2014): Percentage Share Breakdown of Revenues for Chemical, Petrochemical, Electric Power, Metallurgy, Oil and Gas, Food & Beverages, Pulp and Paper, and Others (includes corresponding Graph/Chart)
Integration of Control Valve with PAM Systems
Challenges Facing Control Valves Market Participants
Plant Automation to Drive Demand for Automated Valves
Solenoid Valves Market: Benefiting from Low Power Consumption & Eco-Friendly Features

5. TECHNOLOGICAL INNOVATIONS
Technological Innovations to Drive Market Growth
Advancements in Electric Actuation Technology to Boost Electrically Actuated Control Valves
Customized Products Find Favor

6. PRODUCT OVERVIEW
Product Definition
Select Industrial Valves and their Characteristics
Major Industrial Valves and Their End-Use Industries
Valve Selection
Key to Performance
Parameters Considered for Selection of a Valve
Multi-turn Valves
Gate & Globe Valves
Gate Valves
Globe Valves
Other Multi-turn Valves
Check Valves
Pinch & Diaphragm Valves
Pinch Valves
Diaphragm Valves
Quarter-turn Valves
Features
Ball Valves
Butterfly Valves
Features of Butterfly Valves
Advantages of Butterfly Valves
Industrial Plug Valves
Safety & Relief Valves
Automated Control & Regulator Valves
Control Valves
Table 19: Features Preferred in Control Valves (includes corresponding Graph/Chart)
Solenoid Valves
Solenoid Operate Valves
Features
Applications
End-Use Markets
Regulator Valves
Other Industrial Valves
Nuclear Valves
Gas Cylinder Valves
Waterworks Valves
Steam Traps

7. PRODUCT INNOVATIONS/INTRODUCTIONS

Lindal Launches New Ball Valve
ITT Introduces New Engineered Valve Technology
Crane Introduces Pacific® CSV Range of Valves
GF Piping Systems Launches New Butterfly Valves
Gems Introduces New Solenoid Valve Series
Wolseley Industrial Rolls Out Trunnion Ball Valve in Canada
ODE Launches New Solenoid Valves Range
ASV Stübбе Rolls Out C200 Ball Valves
HAM-LET Launches Ultra Fast Diaphragm Valves for ALD Applications
WAMGROUP Rolls Out VFP Butterfly Valves
ASCO Numatics Introduces 364 Series Stainless Steel Spool Valve
Emerson Launches New Railcar Emergency Shutoff Valve
Webtect Showcases New Range of Hydraulic Control Valves
Emerson Unveils Novel Bulk Storage Tank Relief Valve
Pentair Launches Range of Heavy-Duty Resilient Seated Double-Flanged Butterfly Valves
Pentair Expands Valve Servicing Capability in UAE
KSB AG to Introduce Novel Butterfly Valve with Double Function
Unicast Introduces Ball Valve with Inline Maintenance Feature
ASCO Extends Composite Solenoid Valve Offering with 3/8” and 1” Pipes
ITT Introduces Pure-Flo® EnviZion™, a Hygienic Diaphragm Valve Platform
ASCO Rolls Out 068 Series Flapper Isolation Valve
Emerson Unveils PROFIBUS-PA Remote-Mount Digital Valve Controller
CRANE Introduces New Xomox® FK Ball Valve
CRANE Launches Pacific® Forged Line of High-Pressure Valves
Pharma Hygiene Unveils Hygienic Butterfly Valves
Durapipe Introduces VKR Metering Ball Valve
CRANE Launches Duo-Chek® Valves in India
Danfoss India Unveils New Range of Shut-off Valves & SNV Gauge Valves
KSB Group Receives Order for Supply of Valves for Steam Power Plant in India
KSB AG Tests High-Performance Gate Valves for GKM Power Plant
Total Valve Unveils 6820 TRV model with Patented Technology
KSB Group Develops Various Valves for ANSI-Compliant Power Plants
Flowrox Rolls Out New Industrial Valves
Emerson Releases New EX3 Electronic Expansion Valve
Crane ChemPharma & Energy Showcases New Range of Valves
Wärtsilä Launches Valves in Duplex and Super Duplex Materials
HAM-LET Introduces Ultra Fast Diaphragm Valve for ALD Applications
HAM-LET to Launch New H-500S Ball Valve
Uponor Offers Industry-first, Lead-free Brass Ball Valves
Flowserve Expands Ball Valve Product Line with Fire-Safe Design and PN-Rated Valves
Flowserve Launches Novel Valtek GS and Logix 420 Control Valve System
Flowrox Launches PVC Industrial Valve
BSS Industrial Expands BOSS Range
AVK Holding Offers 36 Gate Valves Series with 355 and 400 mm PE Ends
Emerson Introduces Backpressure Regulators/Relief Valves
Emerson Introduces Digital Valve Controller with Stainless Steel Housing
ASCO Rolls Out High-Pressure Solenoid Valve
Hayward® Unveils Pure-Blu™ BYCN Series Butterfly Valves
KSB Inaugurates New Pumps and Valves Factory in Brazil
Flowserve Receives US$9 Million Valve Order from Nickel Processing Plant
Total Valve Inks Development Agreement with Walworth Valves
BI-TORQ Rolls Out Paladin Automated Valve Series
Hejre Oil and Gas Field Selects GE Control Valves
Metso Launches Neles® Globe Control Valve Line
Grinnell Rolls Out B333 Large Diameter Butterfly Valve
CRANE ChemPharma Flow Solutions Introduces Saunders® I-VUE Smart Valve Sensor
Flowserve Introduces NAF Duball DL Ball Valve
KSB Introduces TRIODIS Valve Series
Sure Seal Launches 2-inch Aeration Butterfly Valves
Siemens Unveils New Variants of Acvativ Ball Valve Product Line
DaTianValve.com Introduces New Orbit Ball Valve Series
Shipham Valves to Introduce New Range of Composite Wafer Check Valves
DFC Introduces Vent-O-Mat Nozzle Check Valve
Comatrol Launches SV15 High Flow Solenoid Valve
Bergstrom Unveils Heater Control Valve
Severn Ball Valves Unveils New Severn Range
W.E. Anderson Rolls out a New Series Brass Ball Valve
Bulk Tank Introduces a New Butterfly Crude Oil Valve

8. RECENT INDUSTRY ACTIVITY
Pentair to Expand Ball Valves Facility in Korea
Rotork Takes Over Masso Ind
Klabin Selects Flowserve's Control and Automated On/Off Valves for Pulp Mill
AVK Obtains DVGW Approval for Series 36 Gate Valves
IIT's Pure-Flo® EnviZion™ Valve Receives Processing Magazine's 2014 Breakthrough Product Award
OMB to Establish New Plant in Korea
Canbank Venture Acquires Stake in Anand Teknow
Tenneco Receives Exclusive Rights to Use Digital Valve Technology from Sturman
USEV to Expand Engine Valve Manufacturing Facilities
Plant Engineering Nigeria Inks Partnership Deal with Pentair Valves & Controls
Wolseley Industrial Enters into Distributorship Agreement with VAAS
SFC Inks Agreement with Arsam Energy to Distribute Valves in Iran
AVK Establishes a New Valve Production Facility in Brazil
Sun Hydraulics Inks Licensing Agreement with Sturman Industries
W&O Europe Inks Exclusive Distribution Agreement with LK Valves
W&O Inks Partnership Deals with LESER
Metso Receives Largest Pulp Industry Valve Order
IMI to Acquire Bopp & Reuther
Wolseley Acquires Goodman Industrial
Graco Acquires Alco Valves Group
Flux Group Acquires IKM
Curtiss-Wright Acquires Valves Unit of Engemasa Engenharia E Materiais Ltda.
Rotork Takes Over Xylem Flow Control
Q2 Investment Partners Acquires DuAll Precision
MRC Transmark Acquires MSD Engineering
EnerMech Acquires CVT
Flowserve Divests Naval OY
Aalberts Industries Takes Over Nexus Valve
Val-Matic Takes Over Quadrosphere® Ball Valve Line
TRW Divests its Engine Valve Business in Germany
MRC Global Inks an Agreement to Acquire Stream AS and Flangefit Stainless
Control Devices Acquires Kerick Valve, Inc.
Windjammer Acquires Engineered Controls International
Sumitomo Corporation Acquires Edgen Group Inc.
SGS Acquires Industrial Valve Engineering Limited
Cooper Valves Takes Over Accuseal
Control Southern Acquires MacAljon Valve Services
Emerson Signs Agreement to Acquire Virgo Valves and Controls
Waaree Group Takes Over CESARE BONETTI S.p.A.
Bimba Takes Over Acro Associates
Curtiss-Wright Acquires Phonix Group
EnerMech Acquires Valve Tech Engineering
C&D Inks Exclusive Agreement with JB Industry to Co-Market The Shield™
L&T Acquires Audco India Limited
Bonney Forge Corporation Acquires BFE S.p.A.
OCV Control Valves and Ooval Valves Announce New Deluge Valve Partnership
Energy Valves Becomes a Single Distributor of Special Alloy Valves in South Africa
Cameron-CNPC JV to Manufacture Ball Valves for Chinese Pipelines
Metso Inks an Agreement to Sell Shares in SNJ to SEIC
Chevron Australia Selects Emerson to Supply Valves
Severn Glocon Obtains Contract to Supply Control Valves for LNG Ichthys Project
Watts Water Divests Flomatic
Severn Glocon Group Acquires LB Bentley
Severn Glocon Group Acquires Leeds Valve
AVK Acquires Tec artec GmbH
AVK Acquires Cyl Knife Valves
Tyco and Pentair Complete Merger
CNR International Inks Contract with Severn Unival
Singer Valve Inaugurates New Production Facility
Metso Acquires Valstone Control
National Oilwell Varco to Take Over Robbins & Myers
Oil States Industries to Take Over Piper Valve Systems
DeZURIK to Take Over HILTON Valve
Shale-Inland Holdings Takes Over Industrial Pipe, Valves and Fittings business of HD Supply
Newdell Acquires Quantum Supply
Flowserve Abahsain Unveils Valve manufacturing Facility in Saudi Arabia

9. FOCUS ON SELECT PLAYERS
The AVK Group (Denmark)
Cameron (US)
Crane Co. (US)
Barksdale, Inc. (US)
CRANE ChemPharma & Energy (US)
Crane Nuclear, Inc. (US)
Emerson Electric Co. (US)
Flowserve Corporation (US)
Flowserve Essen GmbH (Germany)
Grinnell Mechanical Products (US)
Hamlet-Let Group (Israel)
ITT Engineered Valves (US)
KITZ Corporation (Japan)
KSB AG (Germany)
Pentair Ltd. (Switzerland)
SPX Corporation (US)
Velan, Inc. (Canada)
Watts Water Technologies, Inc. (US)

10. GLOBAL MARKET PERSPECTIVE
Table 20: World Recent Past, Current & Future Analysis for Industrial Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets
Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 21: World Historic Review for Industrial Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets
Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 22: World 14-Year Perspective for Industrial Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Market by Product Segment
Table 23: World Recent Past, Current & Future Analysis for Multi-turn Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets
Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 24: World Historic Review for Multi-turn Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets
Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 25: World 14-Year Perspective for Multi-turn Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 26: World Recent Past, Current & Future Analysis for Multi-turn Valves by Product Segment
Globe & Gate Valves and Other Multi-turn Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 27: World Historic Review for Multi-turn Valves by Product Segment
Globe & Gate Valves and Other Multi-turn Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 28: World 14-Year Perspective for Multi-turn Valves by Product Segment
Percentage Breakdown of Dollar Sales for Globe & Gate Valves and Other Multi-turn Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 29: World Recent Past, Current & Future Analysis for Globe and Gate Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 30: World Historic Review for Globe and Gate Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 31: World 14-Year Perspective for Globe and Gate Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 32: World Recent Past, Current & Future Analysis for Other Multi-turn Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 33: World Historic Review for Other Multi-turn Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 34: World 14-Year Perspective for Other Multi-turn Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 35: World Recent Past, Current & Future Analysis for Quarter-turn Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 36: World Historic Review for Quarter-turn Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 37: World 14-Year Perspective for Quarter-turn Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 38: World Recent Past, Current & Future Analysis for Quarter-turn Valves by Product Segment
Ball Valves, Butterfly Valves and Industrial Plug Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 39: World Historic Review for Quarter-turn Valves by Product Segment
Ball Valves, Butterfly Valves and Industrial Plug Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 40: World 14-Year Perspective for Quarter-turn Valves by Product Segment
Percentage Breakdown of Dollar Sales for Ball Valves, Butterfly Valves and Industrial Plug Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 41: World Recent Past, Current & Future Analysis for Ball Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 42: World Historic Review for Ball Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 43: World 14-Year Perspective for Ball Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 44: World Recent Past, Current & Future Analysis for Butterfly Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 45: World Historic Review for Butterfly Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 46: World 14-Year Perspective for Butterfly Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 47: World Recent Past, Current & Future Analysis for Industrial Plug Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 48: World Historic Review for Industrial Plug Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 49: World 14-Year Perspective for Industrial Plug Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 50: World Recent Past, Current & Future Analysis for Safety & Relief Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 51: World Historic Review for Safety & Relief Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 52: World 14-Year Perspective for Safety & Relief Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 53: World Recent Past, Current & Future Analysis for Automated Control & Regulator Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 54: World Historic Review for Automated Control & Regulator Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 55: World 14-Year Perspective for Automated Control & Regulator Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 56: World Recent Past, Current & Future Analysis for Other Industrial Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 57: World Historic Review for Other Industrial Valves by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 58: World 14-Year Perspective for Other Industrial Valves by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 59: World Recent Past, Current & Future Analysis for Industrial Valves in Chemical Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 60: World Historic Review for Industrial Valves in Chemical Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 61: World 14-Year Perspective for Industrial Valves in Chemical Industry by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 62: World Recent Past, Current & Future Analysis for Industrial Valves in Petroleum Refining Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 63: World Historic Review for Industrial Valves in Petroleum Refining Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 64: World 14-Year Perspective for Industrial Valves in Petroleum Refining Industry by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 65: World Recent Past, Current & Future Analysis for Industrial Valves in Pulp & Paper Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 66: World Historic Review for Industrial Valves in Pulp & Paper Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 67: World 14-Year Perspective for Industrial Valves in Pulp & Paper Industry by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 68: World Recent Past, Current & Future Analysis for Industrial Valves in Water & Sewage Utilities Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 69: World Historic Review for Industrial Valves in Water & Sewage Utilities Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 70: World 14-Year Perspective for Industrial Valves in Water & Sewage Utilities Industry by Geographic Region
Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 71: World Recent Past, Current & Future Analysis for Industrial Valves in Electric Power Generation Industry by Geographic Region
US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 72: World Historic Review for Industrial Valves in Electric Power Generation Industry by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 73: World 14-Year Perspective for Industrial Valves in Electric Power Generation Industry by Geographic Region

Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 74: World Recent Past, Current & Future Analysis for Industrial Valves in Oil & Gas Industry by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 75: World Historic Review for Industrial Valves in Oil & Gas Industry by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 76: World 14-Year Perspective for Industrial Valves in Oil & Gas Industry by Geographic Region

Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 77: World Recent Past, Current & Future Analysis for Industrial Valves in Iron & Steel Industry by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 78: World Historic Review for Industrial Valves in Iron & Steel Industry by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 79: World 14-Year Perspective for Industrial Valves in Iron & Steel Industry by Geographic Region

Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 80: World Recent Past, Current & Future Analysis for Industrial Valves in Other Industries by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)

Table 81: World Historic Review for Industrial Valves in Other Industries by Geographic Region

US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 82: World 14-Year Perspective for Industrial Valves in Other Industries by Geographic Region

Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), Middle East & Africa, and Latin American Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Outlook

Market Overview

Table 83: Leading Players in the US Valves & Controls Market (2013): Percentage Share Breakdown of Value Sales for Pentair/Tyco, Emerson, Cameron, Flowserve, Crane, and Others (includes corresponding Graph/Chart)

Table 84: Leading Players in the US Industrial Valves Market (2013): Percentage Share Breakdown of
Revenues for Pentair, Emerson Electric, SPX, Dresser/GE, Flowserve and Others (includes corresponding Graph/Chart)
Export-Import Scenario
Pressure Reducing Valves
Table 85: US Exports of Pressure Reducing Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 86: US Imports of Pressure Reducing Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

Valves for Oleohydraulic or Pneumatic Transmissions
Table 87: US Exports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 88: US Imports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

Check Valves
Table 89: US Exports of Check Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 90: US Imports of Check Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)

Valves for Safety or Relief
Table 91: US Exports of Valves for Safety or Relief (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 92: US Imports of Valves for Safety or Relief (2013): Percentage Share Breakdown of Import Value by Country of Origin

Product Launches
Strategic Corporate Developments
Key Players

B. Market Analytics
Table 93: US Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 94: US Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 95: US 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 96: US Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 97: US Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 98: US 14-Year Perspective for Industrial Valves by End-Use Industry

2. CANADA
A. Market Analysis
Outlook
Export-Import Statistics
Pressure Reducing Valves
Table 99: Canadian Exports of Pressure Reducing Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 100: Canadian Imports of Pressure Reducing Valves (2013): Percentage Share Breakdown of Import
Value by Country of Origin (includes corresponding Graph/Chart)

**Valves for Oleohydraulic or Pneumatic Transmissions**

<table>
<thead>
<tr>
<th>Table</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>Canadian Exports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>102</td>
<td>Canadian Imports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>103</td>
<td>Canadian Exports of Check Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>104</td>
<td>Canadian Imports of Check Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>105</td>
<td>Canadian Exports of Valves for Safety or Relief (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>106</td>
<td>Canadian Imports of Valves for Safety or Relief (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)</td>
</tr>
</tbody>
</table>

**Check Valves**

<table>
<thead>
<tr>
<th>Table</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>103</td>
<td>Canadian Exports of Check Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>104</td>
<td>Canadian Imports of Check Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)</td>
</tr>
</tbody>
</table>

**Valves for Safety or Relief**

<table>
<thead>
<tr>
<th>Table</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>105</td>
<td>Canadian Exports of Valves for Safety or Relief (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>106</td>
<td>Canadian Imports of Valves for Safety or Relief (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)</td>
</tr>
</tbody>
</table>

**Product Launches**

**Strategic Corporate Developments**

**Velan, Inc.**

A Key Player

**B. Market Analytics**

<table>
<thead>
<tr>
<th>Table</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>107</td>
<td>Canadian Recent Past, Current &amp; Future Analysis for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe &amp; Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety &amp; Relief Valves, Automated Control &amp; Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>108</td>
<td>Canadian Historic Review for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe &amp; Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety &amp; Relief Valves, Automated Control &amp; Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>109</td>
<td>Canadian 14-Year Perspective for Industrial Valves by Product Group/Segment Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe &amp; Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety &amp; Relief Valves, Automated Control &amp; Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 &amp; 2020 (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>110</td>
<td>Canadian Recent Past, Current &amp; Future Analysis for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp &amp; Paper, Water &amp; Sewage Utilities, Electric Power Generation, Oil &amp; Gas, Iron &amp; Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>111</td>
<td>Canadian Historic Review for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp &amp; Paper, Water &amp; Sewage Utilities, Electric Power Generation, Oil &amp; Gas, Iron &amp; Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)</td>
</tr>
<tr>
<td>112</td>
<td>Canadian 14-Year Perspective for Industrial Valves by End-Use Industry Percentage Breakdown of Dollar Sales for Chemical, Petroleum Refining, Pulp &amp; Paper, Water &amp; Sewage Utilities, Electric Power Generation, Oil &amp; Gas, Iron &amp; Steel, and Other Markets for Years 2007, 2015 &amp; 2020 (includes corresponding Graph/Chart)</td>
</tr>
</tbody>
</table>

3. JAPAN

**A. Market Analysis**

**Outlook**

Demand for Industrial Seismically Actuated Valves to Grow, Post 2011 Earthquake

**KITZ Corporation**

A Key Player

**B. Market Analytics**

<table>
<thead>
<tr>
<th>Table</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
<td>Japanese Recent Past, Current &amp; Future Analysis for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe &amp; Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety &amp; Relief Valves, Automated Control &amp; Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)</td>
</tr>
</tbody>
</table>
| 114   | Japanese Historic Review for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves,
Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 115: Japanese 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 116: Japanese Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 117: Japanese Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)

Table 118: Japanese 14-Year Perspective for Industrial Valves by End-Use Industry

4. EUROPE
A. Market Analysis
Outlook
Market Overview
Table 119: EU-27 Valve Industry by Category (2012): Percentage Share Breakdown of Production Value for Industrial Valves and Building Valves (includes corresponding Graph/Chart)

Table 120: Industrial Automation Focus of European Players (2012): Percentage Breakdown of Investments of European companies by Geographic Region
Western Europe, North America, Eastern Europe, Middle East, Asia-Pacific, Africa, and Latin America (includes corresponding Graph/Chart)
Control Valve Market in Europe Back on Track
Regulatory Compliance to Trigger Growth in Europe in the Medium Term
Import-Export Statistics
Pressure Reducing Valves
Table 121: EU-28 Imports of Pressure Reducing Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Table 122: EU-28 Imports of Pressure Reducing Valves (2013): Percentage Share Breakdown of Import Volume by Country of Origin (includes corresponding Graph/Chart)
Table 123: EU-28 Exports of Pressure Reducing Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 124: EU-28 Exports of Pressure Reducing Valves (2013): Percentage Breakdown of Export Volume by Country of Destination (includes corresponding Graph/Chart)

Valves for Oleohydraulic or Pneumatic Transmissions
Table 125: EU-28 Imports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Table 126: EU-28 Imports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Share Breakdown of Import Volume by Country of Origin (includes corresponding Graph/Chart)
Table 127: EU-28 Exports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 128: EU-28 Exports of Valves for Oleohydraulic or Pneumatic Transmissions (2013): Percentage Breakdown of Export Volume by Country of Destination (includes corresponding Graph/Chart)

Check Valves
Table 129: EU-28 Imports of Check Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Table 130: EU-28 Imports of Check Valves (2013): Percentage Share Breakdown of Import Volume by Country of Origin (includes corresponding Graph/Chart)
Table 131: EU-28 Exports of Check Valves (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 132: EU-28 Exports of Check Valves (2013): Percentage Breakdown of Export Volume by Country of Destination (includes corresponding Graph/Chart)

Valves for Safety or Relief
Table 133: EU-28 Imports of Valves for Safety or Relief (2013): Percentage Share Breakdown of Import Value
Table 134: EU-28 Imports of Valves for Safety or Relief (2013): Percentage Share Breakdown of Import Volume by Country of Origin (includes corresponding Graph/Chart)
Table 135: EU-28 Exports of Valves for Safety or Relief (2013): Percentage Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Table 136: EU-28 Exports of Valves for Safety or Relief (2013): Percentage Breakdown of Export Volume by Country of Destination (includes corresponding Graph/Chart)

B.Market Analytics
Table 137: European Recent Past, Current & Future Analysis for Industrial Valves by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 138: European Historic Review for Industrial Valves by Geographic Region
France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 139: European 14-Year Perspective for Industrial Valves by Geographic Region
Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 137: European Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 138: European Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 139: European 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

Table 137: European Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 138: European Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 139: European 14-Year Perspective for Industrial Valves by End-Use Industry

4a. FRANCE
A.Market Analysis
Product Launches
B.Market Analytics
Table 146: French Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 147: French Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 148: French 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 149: French Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 150: French Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 151: French 14-Year Perspective for Industrial Valves by End-Use Industry
4b. GERMANY
A. Market Analysis
Outlook
Product Launches
Strategic Corporate Developments
Key Players
B. Market Analytics
Table 152: German Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 153: German Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 154: German 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 155: German Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 156: German Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in 7US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 157: German 14-Year Perspective for Industrial Valves by End-Use Industry
4c. ITALY
A. Market Analysis
Outlook
Strategic Corporate Developments
B. Market Analytics
Table 158: Italian Imports of Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Table 159: Italian Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 160: Italian Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for
Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 161: Italian 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 162: Italian Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 163: Italian Historic Review for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 164: Italian 14-Year Perspective for Industrial Valves by End-Use Industry Percentage Breakdown of Dollar Sales for Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
4d. THE UNITED KINGDOM
A. Market Analysis
Outlook
Product Launches
Strategic Corporate Developments
B. Market Analytics
Table 165: UK Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 166: UK Historic Review for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 167: UK 14-Year Perspective for Industrial Valves by Product Group/Segment Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 168: UK Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 169: UK Historic Review for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
4e. SPAIN
A. Market Analysis
Outlook
Strategic Corporate Development
B. Market Analytics
Table 171: Spanish Imports of Valves (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Table 172: Spanish Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 173: Spanish Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 174: Spanish 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 175: Spanish Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 176: Spanish Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 177: Spanish 14-Year Perspective for Industrial Valves by End-Use Industry
4f. RUSSIA
Market Analysis
Table 178: Russian Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 179: Russian Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 180: Russian 14-Year Perspective for Industrial Valves by Product Group/Segment
Table 181: Russian Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 182: Russian Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 183: Russian 14-Year Perspective for Industrial Valves by End-Use Industry
4g. REST OF EUROPE
A. Market Analysis
Outlook
Import Statistics
Table 184: Valve Imports in Czech Republic (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Table 185: Valve Imports in the Netherlands (2013): Percentage Share Breakdown of Import Value by Country of Origin (includes corresponding Graph/Chart)
Product Launches
Strategic Corporate Developments
Key Players
B. Market Analytics
Table 186: Rest of Europe Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 187: Rest of Europe Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 188: Rest of Europe 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 189: Rest of Europe Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 190: Rest of Europe Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 191: Rest of Europe 14-Year Perspective for Industrial Valves by End-Use Industry

5. ASIA-PACIFIC
Market Analysis
Table 192: Asia-Pacific Recent Past, Current & Future Analysis for Industrial Valves by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 193: Asia-Pacific Historic Review for Industrial Valves by Geographic Region
China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 194: Asia-Pacific 14-Year Perspective for Industrial Valves by Geographic Region
Percentage Breakdown of Dollar Sales for China, India and Rest of Asia-Pacific Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 195: Asia-Pacific Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 196: Asia-Pacific Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 197: Asia-Pacific 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 198: Asia-Pacific Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 199: Asia-Pacific Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years...
2007 through 2013 (includes corresponding Graph/Chart)

Table 200: Asia-Pacific 14-Year Perspective for Industrial Valves by End-Use Industry

5a. CHINA
A. Market Analysis
Infrastructure Projects Bode Well for Market Growth
Focus on Industrial Development Drives Demand for Specialty Valves
Nuclear Reactor Valves Benefit from Renewed Emphasis on Nuclear Power Plants
An Attractive Destination for Global Control Valve Makers
Automatic Valves to Outshine Standard Valves in Demand Growth
Process Manufacturing: Major End-Use Markets for Industrial Valves
Electric Power Industry Propels Demand for Control Valves
A Highly Fragmented Industry

Table 201: Chinese Control Valves Market (2014): Percentage Breakdown of Revenues by Leading Players (includes corresponding Graph/Chart)
Table 202: China's Valve Output (2012): Percentage Share Breakdown of Output by Province for Zhejiang, Henan, Jiangsu, Shanghai, Liaoning and Others (includes corresponding Graph/Chart)
Imports Continue to Dominate Chinese Valves Trade
Table 203: Chinese Valves Exports (2013): Percentage Share Breakdown of Export Value by Country of Destination (includes corresponding Graph/Chart)
Product Launch
Strategic Corporate Developments
B. Market Analytics

Table 204: Chinese Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 205: Chinese Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 206: Chinese 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 207: Chinese Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 208: Chinese Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 209: Chinese 14-Year Perspective for Industrial Valves by End-Use Industry

5b. INDIA
A. Market Analysis
Outlook
Opportunities Galore for Indian Manufacturers in Developed Markets
Growing Demand for Intelligent Valves
India
A Major Valve Exporter
Industry Structure
Growth Driving Factors
Growth Limiting Factors
Small Scale Manufacturers Expand Capacities
Leading Players
Table 210: Leading Players in the Indian Industrial Valves Market (2014): Percentage Breakdown of Value Sales for Audco India, BDK Weir, Emerson, Tyco, Virgo Engineers and Others (includes corresponding Graph/Chart)
Table 211: Indian Industrial Valves Market by Distribution Channel (2014): Percentage Breakdown of Value Sales for Agents/Distributors, Direct Sales and OEMs/LSTKs (includes corresponding Graph/Chart)

Product Launches
Strategic Corporate Developments

B. Market Analytics
Table 212: Indian Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 213: Indian Historic Review for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 214: Indian 14-Year Perspective for Industrial Valves by Product Group/Segment Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 215: Indian Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 216: Indian Historic Review for Industrial Valves by End-Use Industry Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 217: Indian 14-Year Perspective for Industrial Valves by End-Use Industry Percentage Breakdown of Dollar Sales for Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)

5c. REST OF ASIA-PACIFIC
A. Market Analysis
Outlook
Control Valves Market in Southeast Asia: A Brief Overview
Focus on Select Markets
Singapore
South Korea
The Philippines

Strategic Corporate Developments
B. Market Analytics
Table 218: Rest of Asia-Pacific Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 219: Rest of Asia-Pacific Historic Review for Industrial Valves by Product Group/Segment Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 220: Rest of Asia-Pacific 14-Year Perspective for Industrial Valves by Product Group/Segment Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 221: Rest of Asia-Pacific Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry

Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 222: Rest of Asia-Pacific Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 223: Rest of Asia-Pacific 14-Year Perspective for Industrial Valves by End-Use Industry

6. MIDDLE EAST & AFRICA
A. Market Analysis
   Outlook
   Middle East: Increasing Demand for Industrial Valves
   South African Valves and Actuators Market
   An Overview
   Product Launches
   Strategic Corporate Developments
   Hamlet-Let Group (Israel)
   A Key Player
B. Market Analytics
   Table 224: Middle East & Africa Recent Past, Current & Future Analysis for Industrial Valves by Product Group/Segment
   Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
   Table 225: Middle East & Africa Historic Review for Industrial Valves by Product Group/Segment
   Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
   Table 226: Middle East & Africa 14-Year Perspective for Industrial Valves by Product Group/Segment
   Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
   Table 227: Middle East & Africa Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
   Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
   Table 228: Middle East & Africa Historic Review for Industrial Valves by End-Use Industry
   Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
   Table 229: Middle East & Africa 14-Year Perspective for Industrial Valves by End-Use Industry

7. LATIN AMERICA
A. Market Analysis
   Outlook
   Mexico
   A Key Market
   Product Launch
   Strategic Corporate Developments
B. Market Analytics
   Table 230: Latin American Recent Past, Current & Future Analysis for Industrial Valves by Product
Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 231: Latin American Historic Review for Industrial Valves by Product Group/Segment
Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 232: Latin American 14-Year Perspective for Industrial Valves by Product Group/Segment
Percentage Breakdown of Dollar Sales for Multi-turn Valves (Globe & Gate Valves and Other Multi-turn Valves), Quarter-turn Valves (Ball Valves, Butterfly Valves and Industrial Plug Valves), Safety & Relief Valves, Automated Control & Regulator Valves, and Other Industrial Valves Markets for Years 2007, 2015 & 2020 (includes corresponding Graph/Chart)
Table 233: Latin American Recent Past, Current & Future Analysis for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2014 through 2020 (includes corresponding Graph/Chart)
Table 234: Latin American Historic Review for Industrial Valves by End-Use Industry
Chemical, Petroleum Refining, Pulp & Paper, Water & Sewage Utilities, Electric Power Generation, Oil & Gas, Iron & Steel, and Other Markets Independently Analyzed with Annual Sales Figures in US$ Million for Years 2007 through 2013 (includes corresponding Graph/Chart)
Table 235: Latin American 14-Year Perspective for Industrial Valves by End-Use Industry

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 793 (including Divisions/Subsidiaries - 911)

The United States (144)
Canada (7)
Japan (11)
Europe (632)
- France (32)
- Germany (190)
- The United Kingdom (118)
- Italy (150)
- Spain (34)
- Rest of Europe (108)
Asia-Pacific (Excluding Japan) (101)
Latin America (3)
Africa (1)
Middle East (12)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/338760/

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: Industrial Valves - Global Strategic Business Report
Web Address: http://www.researchandmarkets.com/reports/338760/
Office Code: SCH37HT4

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

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 4950</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td></td>
<td>USD 6930</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 10 Users</td>
<td></td>
<td>USD 9405</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 15 Users</td>
<td></td>
<td>USD 11880</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