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# World Industrial Valves

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Industry Study with Forecasts for **2015 & 2020**

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Study #2809 | November 2011 | \$5900 | 373 pages

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*Growth in valve demand will be driven by continuing robust gains in the Asia/Pacific region, as well as strong recovery in the US and West European markets from a weak 2010 base.*

## World demand to rise 5.4% annually through 2015

Global demand for industrial valves is forecast to increase 5.4 percent per year through 2015 to \$93.5 billion. Gains will be driven by continuing robust gains in the Asia/Pacific region, as well as strong recovery in the US and West European markets from a weak 2010 base. In the developing world, especially in China and India, valve suppliers will benefit from rising urbanization. Large-scale migration from villages to cities will, in many cases, necessitate major upgrades to existing water supply and power generation infrastructures, bolstering valve sales in the process. Valve demand growth in the US will outpace the global average through 2015 due to recovery in the domestic economy after the 2007-2009 recession. Valve demand in Japan and Western Europe will also recover from recent declines, but advances will continue to considerably lag the world average through 2015.

The largest and most advanced industrial valve industries are typically located in developed nations. China, however, is the one key exception to this rule, with the country being the world's largest valve producing nation in 2010 and accounting for 20 percent of global shipments. Germany, the US, Japan and Italy together accounted for an additional 44 percent of global valve shipments in 2010 on a value basis. Other important producers include France, the United Kingdom, Russia and Taiwan.

## World Industrial Valve Demand (\$71.8 billion, 2010)



photo: Pipe-Valves, Inc.

## Oil, gas industry to see strong gains in demand

The oil and gas industry will see strong growth in valve demand, with increasing offshore, shale and tar sand related exploration activities helping boost sales of higher-end products. Among the countries that will record robust increases in the unconventional oil and gas sector are Brazil, Canada, Nigeria and the US. The nuclear power market for valves will see weak gains in the developed world in the aftermath of the 2011 Fukushima disaster in Japan. Weakness in the nuclear power generation sector will be offset by increasing valve sales to coal-fired and combined cycle natural gas power plants.

## Automatic valves to outpace conventional types

The global market for automatic valves will outpace that for conventional valves, due to the continuing efforts of process manufacturers to improve operational efficiencies. The strongest gains will be registered in sales of separately sold automatic actuators, which are used together with standard valves to allow for automated valve functions, and are less expensive than automatic control and regulator valves with actuators pre-installed. Nevertheless, conventional valves will dominate world valve demand in 2015, with suppliers benefiting from the lower cost of these products relative to highly engineered automatic valves.

**Sample Text,  
 Table & Chart**

**ASIA/PACIFIC**

**India: Industrial Valve Supply & Demand**

Demand for industrial valves in India totaled \$1.4 billion and the country was the second fastest growing market in the Pacific region during the 2000-2010 period, trailing only China. This has been in large part due to the economic reforms that have been made, resulting in robust increases in fixed investment expenditure and an expansion of the country's manufacturing sector. India's chemical and refinery industries also represent significant markets for industrial valves. The country's process manufacturing sector encompasses a wide range of valve-using industries, including chemicals, primary metals and engineering, among others. Given the wide array of applications, the Indian valve market necessitates the use of a large variety of valve types, including automatic control, quarterturn, pressure reducing, and steel gate and globe valves.

Shipments of industrial valves in 2010 from facilities in Asia/Pacific totaled \$1.3 billion, making it the fourth largest supplier in the world, behind China, Japan and Taiwan. Thanks to a healthy macroeconomic environment, valve production grew at a strong 8.9 percent during the 2000-2010 period, increasing the trade deficit in the sector to \$130 million in 2010. Industry output consists largely of lower-end, commodity-type items. Higher-end valves constitute the majority of the country's imports, with major sources of supply including China, Germany and the US. India also exports, with the US being the biggest export market.

The market for industrial valves in India is expected to increase at an annual growth rate of 8.9 percent through 2020, making it the second fastest growing market in the Pacific region. This is due to the country's strong economic growth and the expansion of its manufacturing sector.

**SAMPLE TEXT**

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**TABLE VI-12**

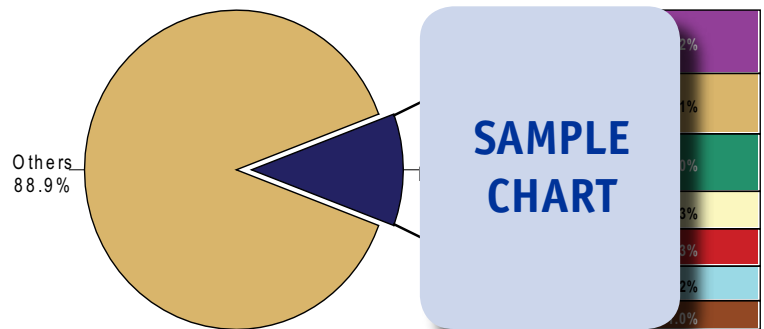
**INDIA: INDUSTRIAL VALVE SUPPLY & DEMAND  
 (million dollars)**

Item	2000	2005	2010	2015	2020
Gross Fixed Investment (bil 2009\$)					50
\$ valves/000\$ fixed investment					3
Industrial Valve Demand					0
Conventional:					0
Standard Multiturn					0
Quarterturn					0
Other					0
Automatic:					0
Control Valves					0
Regulator Valves					0
Automatic Actuators & Other					0
net exports					0
conventional					0
automatic					0
Industrial Valve Shipments					0
Conventional					0
Automatic					0
% India					2
Asia/Pacific Industrial Valve Shipments					50

**SAMPLE TABLE**

**CHART VIII-1**

**WORLD INDUSTRIAL VALVE MARKET SHARE, 2010  
 (\$71.8 billion)**

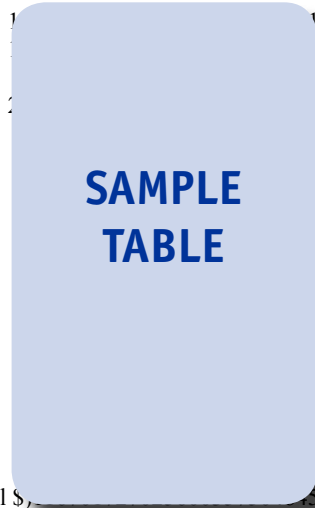


**SAMPLE CHART**

**Sample Profile,  
 Table & Forecast**

**TABLE VI-11**  
**INDIA: MARKET ENVIRONMENT FOR VALVES**

Item	2000	2005	2010	2015	2020
Population (million persons)					
\$ GDP/capita					
Gross Domestic Product (bil 2009\$)					
% fixed investment					
Gross Fixed Investment (bil 2009\$)					
Primary Energy Consumption*					
\$ valves/capita					
\$ valves/000\$ fixed investment					
\$ valves/bil Btu					
Industrial Valve Demand (mil \$)					
% India					
Asia/Pac Industrial Valve Demand (mil \$)					



**COMPANY PROFILES**

**NIBCO Incorporated**  
 1516 Middlebury Street  
 Elkhart, IN 46516  
 574-295-  
 http://w

**Annual S**  
**Employ**

**Key Pro** and globe valves; and  
 electric a

NIBCO is a manufacturer of flow control products for the global residential, commercial construction, industrial, fire protection and irrigation markets. The Company is privately held.

The Company competes in the world valve industry through the manufacture and distribution of valves and related products in North America and Europe. These products, which are designed for use in industrial, commercial and residential applications, are marketed under such brand names as NIBCO and CHEMTROL. In the NIBCO line, the Company makes ball, butterfly, check, gate, angle and globe valves. These products are made using such materials as bronze, cast and ductile iron, stainless and carbon steel and thermoplastics. Additional products marketed under the NIBCO brand name include the NIBCO PRESS SYSTEM package that includes press-to-connect copper valves and fittings for mechanical joinery systems.

CHEMTROL products from NIBCO encompass a variety of thermoplastic valves, fittings and pipes. The CHEMTROL portfolio features valves that are suitable for use in chemical processing, industrial plating, laboratory and industrial waste drainage systems, water

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“Shipments of industrial valves from facilities in India will increase at an 8.4 percent rate through 2015 to \$1.9 billion, benefiting from healthy domestic market prospects and increased export sales. Growth in shipments will lag that of valve demand through 2015, and the country’s trade deficit will grow.”

--Section VI, pg. 167



**OTHER STUDIES**

**World Plastic Processing Machinery**

This study analyzes the world plastic processing machinery industry. It presents historical demand data for the years 2000, 2005 and 2010, and forecasts for 2015 and 2020 by machinery type (e.g., injection molding, extrusion, blow molding, thermoforming), application (e.g., packaging, consumer/institutional products, construction), world region and for 30 major countries. The study also considers market environment factors, details industry structure, evaluates company market share and profiles industry competitors.

#2833 ..... December 2011 ..... \$5900

**World Water Treatment Products**

World demand for water treatment products will rise 6.2 percent annually through 2015. China will remain by far the fastest growing major market. In the US, Japan and Western Europe, gains will favor advanced membrane systems, disinfection and desalination equipment, and industrial wastewater treatment chemicals. This study analyzes the \$48.1 billion world water treatment product industry, with forecasts for 2015 and 2020 by product, market, world region and for 30 countries. The study also evaluates company market share and profiles industry players.

#2802 ..... September 2011 ..... \$6400

**World Water Desalination**

World demand for water desalination products and services will grow 9.3 percent annually through 2015. The Africa/Mideast region will remain the dominant market, while the Asia/Pacific region grows the fastest. Reverse osmosis and other membrane-based technologies will continue to gain market share over thermal methods. This study analyzes the \$8.6 billion world water desalination industry, with forecasts for 2015 and 2020 by technology, product, service, world region and for 17 countries. The study also evaluates company market share and profiles industry players.

#2782 ..... July 2011 ..... \$5900

**World Pumps**

World fluid handling pump demand will rise 6.5 percent annually through 2014. The pace of gains will slow in most developing countries, while in industrialized nations pump sales will rebound from depressed 2009 levels. Process manufacturing will be the fastest growing market. This study analyzes the \$50.4 billion global pump industry, with forecasts for 2014 and 2019 by product, market, world region and for 34 countries. The study also evaluates company market share and profiles industry participants.

#2676 ..... November 2010 ..... \$6100

**World Aquaculture: Feed, Equipment & Chemicals**

Global demand for aquaculture supplies and equipment will grow 11.6 percent annually through 2014. The Asia/Pacific region will continue to dominate both production and consumption. Aquafeed will remain the largest product segment and be the fastest growing. This study analyzes the world aquaculture supplies and equipment industry, with forecasts for 2014 and 2019 by product, species, world region and for 15 countries. It also evaluates company market share and profiles industry participants.

#2680 ..... October 2010 ..... \$5800

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