

Asia Pacific Capabilities

Regulator Technologies



Integrated Pressure Control Solutions Provider

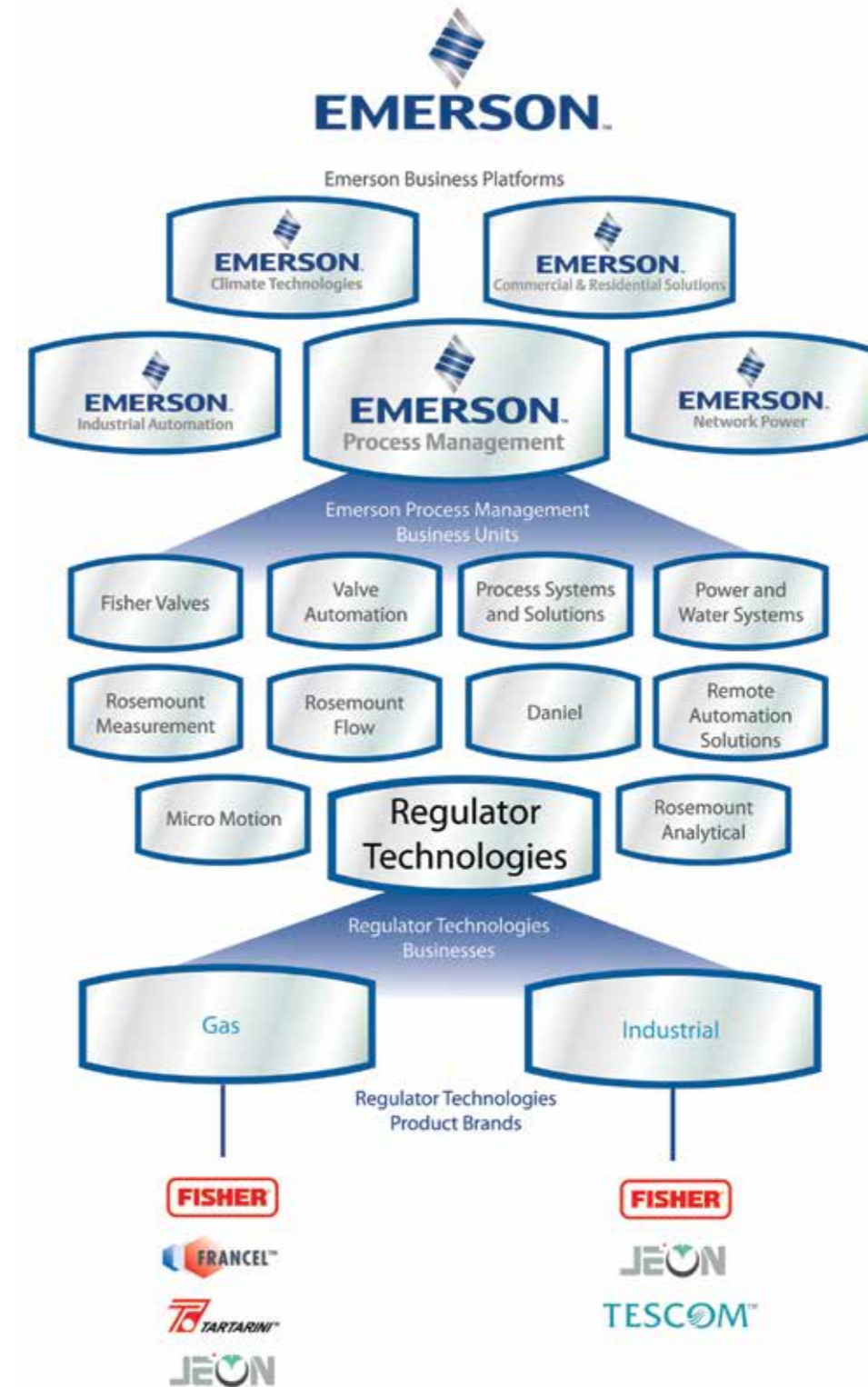
About Regulator Technologies

Emerson Process Management Regulator Technologies is the world's leading integrated pressure control solutions provider. We have a history of over 130 years in the field of pressure control. William Fisher, the founder of Fisher Controls, invented the first Type 1 pump governor in 1880.

Our Asia Pacific headquarters is located in Singapore with manufacturing sites in Shanghai and Chengdu of China, Sakura of Japan, Savli and Chennai of India. Together with our Local Business Partners, distributors and sales offices across the Asia Pacific region, we are dedicated to provide best-in-class solutions and services to our customers.

Regulator Technologies is a business unit of Emerson Process Management, a platform of Emerson. Emerson is a global company that brings together technology and engineering to provide a wide range of manufacturing and processing solutions for industrial, commercial and consumer markets.

The Emerson business platforms work together through Emerson brands to deliver comprehensive customer solutions.



Regulating Technologies

Regulator Technologies Asia Pacific offers best-in-class measurement, analytical and control solutions to improve process and asset performance with 5 global brands - FISHER, Francel, Tartarini, TESCO and JEON. Today, we offer over 250 types of pressure regulators with more than 11,000 configurations in systems and solutions with 2 core regulating technologies: Gas and Industrial.

Regulating Technologies

Gas



Natural Gas Technologies

Solutions for natural gas transmissions from high-pressure gas flows at the well-head, power plant, city gate, district stations to low-pressure distribution for industrial, commercial and residential applications.



LP - Gas

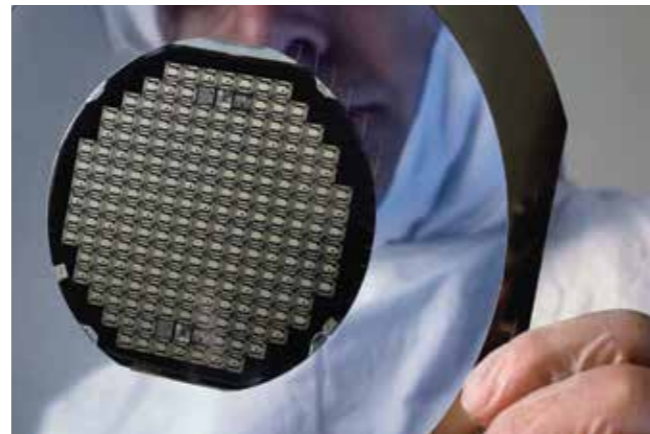
Solutions for safety throughout the propane industry.

Industrial



Process

Solutions for pressure regulating needs for process industries worldwide.



Non-process

Solutions for pressure regulating needs for non-process industries.

Brands

FISHER

Since 1880, many FISHER regulators have become the industry standard for reliable pressure regulation and are marketed throughout the world. Product versatility, stability, in-line maintenance and rugged construction has made FISHER the pressure control solution of choice in millions of installations around the world.

Francel

Founded in 1936, Francel has obtained the essential expertise and the innovative abilities to continuously meet the changing conditions from the natural gas market place. The Francel full-range product line includes pressure reducing regulators, shutoff devices, skids, and a full range of accessories that can be supplied in an integrated solution customized for your specific needs.

Tartarini

Since 1941, Tartarini has specialized in the design, production and installation of regulating and metering stations, pressure regulators, shutoff valves, relief valves, butterfly valves, filters, heat exchangers and odorization systems for the natural gas industry. The Tartarini range of products and services is vast and also includes remote control systems, engineering, adaptation and revamping of existing installations to meet current standards, theoretical and practical training courses, after-sales and surveillance services.

JEON

Located in Chengdu, China, JEON was founded in 1992 and was acquired by Emerson in 2004. JEON is the leading manufacturer of natural gas regulators and skid systems in China. The JEON brand expands our presence in low-pressure solution and Industrial regulators segment.

TESCOM

The TESCOM brand delivers a wide range of standard and custom engineered regulators, valves and systems for a diverse world market. You can count on expert application and customer support ranging from high tech complex projects to simple industrial applications. Close collaboration between worldwide design and manufacturing groups ensure the usage of state-of-the-art production technologies to provide the innovation and highest quality product that TESCOM customers have come to expect.





Our Solutions

We serve the most diverse range of applications:

- Process Gases and Liquids
- Fuel Oil and Gas Controls
- Utility Air, Steam, Gas and Water
- Tank Blanketing and Vapor Recovery
- High Pressure Precision Control
- High Purity and Sanitary
- Natural Gas Production, Transmission, Distribution and Utilization
- Industrial Manufacturing and Testing
- Aerospace and Defense
- Diving and Life Support
- Tank Safety & Environmental Control Systems

We have the most diverse range of products and solutions:

- Regulating products
- Emergency slam shut valves
- Flame and Detonation Arrestors
- Pressure and Vacuum Relief Valves
- Tank Vents and Hatches
- System integration (skid systems)
 - Gas Conditioning Skids
 - Pressure Regulation Skids
 - CNG Skids
 - LNG Skids
 - Odorizing Skids
- Relief and back pressure valves
- Fluid conditioning, filters, separators, odorizers, and heaters
- Electronic controlled regulator
- Special alloy constructions and trim materials
- Customised engineered solutions
- Wireless solutions for electronic position indication, relieve valve flow and slam shut activation

Our products and solutions have the greatest range of capabilities:

- 1/4 to 12" size
- Supply pressure up to 30,000 psig (2,068 bar)
- Temperature capabilities from -60 to 650 °F (-51 to 343°C)
- Wide open flow capacities of Cv's up to 1664 and Cg of 53,600

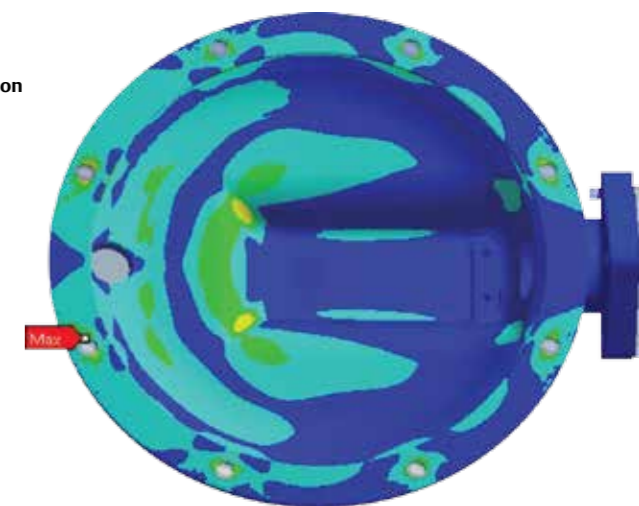
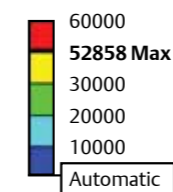


Engineering Centers

We have two main engineering centers in Asia Pacific - Chengdu and Shanghai. These centers are dedicated to new product development, customer order design and other technical support. As part of the global engineering organization, these centers work with engineering staff in North America and Europe on further improving the performance of our solutions.

Our engineering centers are capable of providing various testing and evaluation, including Computational Fluid Dynamics Analysis, Finite Element Analysis, and Failure Mode and Effects Analysis.

I: lowcasing-CF8M-275psi-nosepartion
Equivalent Stress 2
Type: Equivalent (von-Mises) Stress
Unit: psi
Time: 5
3/7/2012 1:24pm





Flow Labs

Our state-of-the-art Flow Test labs utilize the latest equipment to allow our engineers to test new solutions and execute real-time conditions which is unparalleled anywhere in the Asia Pacific region. All of our new solution designs are thoroughly tested in our labs. Every published capability has been tested and verified in our flow labs.

All test lines utilize Emerson Process Management solutions such as FISHER control valves, Micro-Motion flow meters and Rosemount pressure sensors providing the most accurate data analysis possible. Each line also employs the advanced “Labview” data acquisition system which can synchronize data with our Research and Development Laboratory in McKinney, Texas, USA. We also have environment chambers, cycle test benches and a hydrostatic test room which make it possible to examine how units perform under extreme conditions.

Tests performed at the flow labs include:

- Flow Performance Test
- Hydro Test
- Cycle Test
- Temperature Test
- Noise Test
- Bench (AG/SG)



Shanghai, China



Chengdu, China



Chennai, India



Sakura, Japan

In Asia Pacific, we have manufacturing capabilities in China, Japan and India.

Manufacturing

Our manufacturing process is fully integrated to deliver the highest level of customer satisfaction and product quality. With 4 manufacturing facilities located in Asia Pacific, we are close to you and familiar with your needs. With local knowledge and expertise, we go further in exceeding your expectations.

Our plants are fully accredited to meet stringent international quality standards and equipped with sophisticated manufacturing technology to provide you with world class products and solutions.

Shanghai, China

The Shanghai plant assembles FISHER and TESCOM brand regulators to supply both Asia Pacific and global customers.

In 2005, the company obtained the ISO 9001:2000 certificate and successfully re-registered for ISO9001:2008 in 2008.

To meet with semi-conductor industry standards, the facility hosts a Class 10 clean room for the assembly of TESCOM's high purity products. Additional capabilities are precision machining, electronic polishing, and welding.

Chengdu, China

The Chengdu plant assembles both JEON and FISHER brand regulators as well as pressure reducing and back pressure, metering gas stations, remote operations control systems, and measurement instrumentation.

The Chengdu plant is capable of product assembly, product design and development, engineering design, system integration, welding and machining. Through the years, it has obtained ISO9000:2008 and ISO14001:2000 certificates as well as other manufacture licenses.

Chennai, India

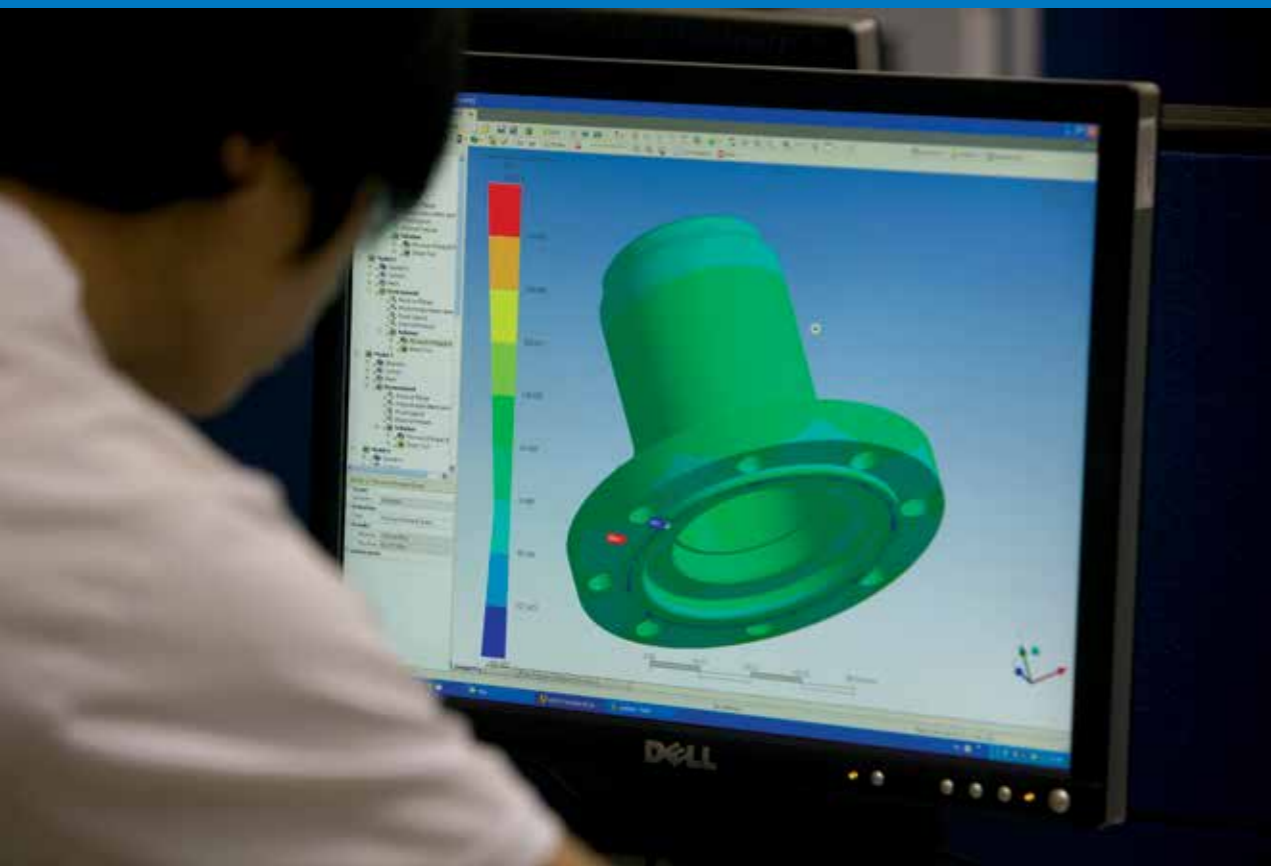
The Chennai plant assembles both JEON and FISHER Industrial and LP-Gas Pressure reducing and back pressure relief valves and now plays a key role as our integrated pressure control solutions are expanded in Asia Pacific.

The plant boasts a wide range of CNC machines, turning machines, drilling machines and assembly shop and valve testing stations.

Sakura, Japan

Apart from valve and regulator assembly, Sakura plant also provides localization and conversion of products for the Japanese market, field service, system engineering, skid design and fabrication.

The factory is capable of machining, welding, heat treatment and performing hydro test and other quality inspections. It is ISO 9001:2008 certified.



Quality

Total commitment to customer satisfaction and continual improvement has always been our top priority. Our Quality Management System is certified to ISO 9001 standard to ensure highest quality standard in products, services and support. We implement the best management practices from Enterprise Resource Planning, Lean Manufacturing to Total Quality Management.

Global Quality Achievements

We follow the same quality requirements and processes as all of the other Regulator Technology factories worldwide which include:

- ISO 9001/14001 certification
- Assembly procedures
- Test Benches and other testing facilities
- Suppliers
- Safety Policy





Service Centers

With an extensive network of after-sales service and customer support through our local business partners and service centers, no other manufacturer can match our geographic coverage in the region. Our centers offer overall services which include regulating skid design and engineering, system integration and testing, onsite training, fast parts inventory, and scheduled or emergency on-site services.

Asia Pacific Service Center Locations:

- Baroda, India
- Delhi, India
- Chennai, India
- Singapore
- Chengdu, China
- Wuhan, China
- Shanghai, China
- Beijing, China
- Guangzhou, China



Supply Chain

We have an advanced and well established supply chain in Asia Pacific to meet customers' demand and lead time expectations. Our suppliers are stringently selected to provide high quality components that are sourced locally to ensure fast response time for supplies and achieve high efficiency in production.



Trainings

We offer full range of both in-house and on-site technical trainings for our customers in Asia Pacific. These trainings cover the topics of regulator control engineering, product specification, instrument maintenance and repair which will help your project and service team on installation, calibration, maintenance and troubleshooting.

Asia Pacific Customer Center

To better serve our customers, we recently built a new Asia Pacific Customer Center in Chengdu. The center is used for product display, customer trainings and flow testing. It provides an excellent resource to demonstrate the integrated pressure control solutions that we provide.



Asia Pacific Presence

Headquartered in Singapore, we have an established presence in the Asia Pacific region with an extensive network of dedicated sales representatives and direct sales offices to provide the most complete portfolio of technologies, products, services and solutions for our Asia Customers. With complete services in Planning, Designing, Engineering, Fabricating, Testing, Repairing and Maintenance, our team of experts are your one-stop solution to your high performance assets. Our products and solutions are designed and tested in Asia, manufactured in Asia, for our Asian customers. We serve Asia from Asia.



- Sales Office
- Manufacturing Centers
- + Service Centers
- Asia Pacific Headquarters

Together with our local business partners and representatives, Regulator Technologies Asia Pacific aims to create value for customers by combining our vast global industry expertise with technologically advanced solutions tailored to local markets. We aspire to be the undisputed global leader, delivering innovative pressure control solutions that drive unrivaled customer value and loyalty.

Asia Pacific Headquarters

Emerson Process Management Asia Pacific Pte Ltd

1 Pandan Crescent
Singapore 128461
T: +65 6777 8211
F: +65 6777 0947
E-mail: RegulatorTechnologiesAsia@emerson.com

China

Emerson Process Management Co., Ltd.

(Head Office)
No. 1277 Xin Jingqiao Rd.
Pudong, Shanghai, 20120, China
T: +86 21 2892 9000
F: +86 21 2892 9001

China

Regulator Technologies

Chengdu
9 Wukedong Road, Wuhou Science Technic
Park, Chengdu 610045, China
T: +86 28 8536 0000
F: +86 28 8637 1201

India

Emerson Process Management (India) PVT. Ltd

Delphi Building, B-Wing, 6th Floor,
Central Avenue,
Mumbai 400076
India
T: +91 22 6662 0566
F: +91 22 6662 0500

India

Emerson Process Management Chennai Ltd

147 Rajiv Gandhi Salai,
Old Mahabalipuram Road,
Karapakkam Village
Chennai, 600097, India
T +91 44 4903 4405
F +91 44 4903 4400

Indonesia

Emerson Process Management Indonesia Ltd.

Wisma 46 - Kota BNI 16th Floor, Suite 16.01
Jl. Jend. Sudirman Kav. 1 Jakarta
10220 Indonesia
T: +62 21 251 3003
F: +62 21 251 0662

South Korea

Emerson Process Management Korea Ltd

Sicox Tower, 12th Floor,
513-14 Sangdaewon-dong
Jungwon-gu, Seongnam-city
Gyeonggi-do
Republic of Korea 462-806
T: +82 2 3438 4600
F: +82 2 5152 330

Australia

Emerson Process Management

417 Mountain Highway
Bayswater, Victoria 3153
Australia
T: +61 3 9721 0200
F: +61 3 9720 0558

Japan

Emerson Process Management Japan Ltd / Nippon Fisher Co Ltd

NoF Shinagawa konan Bldg. 5F
1-2-5 Higashi Shinagawa
Shinagawa-ku
Tokyo, 140-0002, Japan
T: +81 3 5769 6766
F: +81 3 5769 6843

For further information visit
www.ap.emersonprocess.com/regulators



For enquiries, please contact us at
RegulatorTechnologiesAsia@emerson.com



D352260X012 © 2013 Emerson Process Management Regulator Technologies, Inc. All rights reserved.
FISHER, Francel, Tartarini, JEON, TESCOM, Emerson Process Management, and the Emerson Process Management design are marks of one of the Emerson Process Management group of companies. All other marks are the property of their respective owners.

Integrated Pressure Control Solutions Provider:



The Emerson logo is a trademark and a service mark of Emerson Co. © 2013 Emerson Electric Co.

EMERSON. CONSIDER IT SOLVED.™