



PROFILE — ELECTRIC ACTUATOR

FLOWINN INDUSTRIAL CO., LTD



FM 522775



EMS 595200



OHS 595201



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CORPORATE CULTURE

Core value: Respects to all mankind

Business philosophy: The pursuit of all the material and spiritual satisfaction for the employees. At the same time, making contribution for human and social progress and development.

COMPANY INTRODUCTION

FLOWINN INDUSTRIAL CO., LTD. established itself as a electric actuator manufacturer in 2007. With main focus on the design and development of electric actuator, we have been providing our product and services worldwide. Our quality and technical innovation have contributed to the growing industry recognition and made collaborations with many of the industry leading corporations.

Our customer base include countries of Europe, United states, Australia, Africa, South East Asia and Middle East. With application to water treatment, HVAC, petroleum, chemical, electronics, light industry, food, medicine, textile, papermaking, hydropower, ship, smelting, new energy and so forth.

We invest numerously on R&D and laboratory; gather a large number of talents to deliver the results. We utilize many tools such as 6 Sigma process improvement, lean production and Failure Mode Effects Analysis (FMEA) system in order to provide better customer-specific solution and service. We're therefore capable of providing reasonable solutions and complete services to our clients, and become a trust-worthy partner.

Flowinn is an ISO 9001, ISO 14001 and OHSAS 18001 certified company. Most importantly, Flowinn electric actuators mark with CE, CSA, explosion-proof (ATEX, IECEx), IP68, RoHS and REACH. Most are given by internationally renowned certification bodies such as TUV, NEPSI, DNV, CSA, SGS, BSI and such. There are currently over 40 product patents that FLOWINN possesses as of now.

As one of the leading electric actuator manufacturer, we always adhere to "CUSTOMER FIRST, RESEARCH & INNOVATION, CONTINUOUS IMPROVEMENT, TEAMWORK" concepts.



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INDUSTRY APPLICATION



Electric power——

Thermal power generation (coal and other combustible material)
Solar energy generation
Wind power generation technology
Nuclear power generation
Hydrogen power generation
Water power generation (tide, hydropower station)



Water treatment——

Domestic water, drinking water treatments
Desalination, waste water, sewage treatments
Reservoirs, dam
Environmental control, irrigation
Water supply and drainage, fire fighting



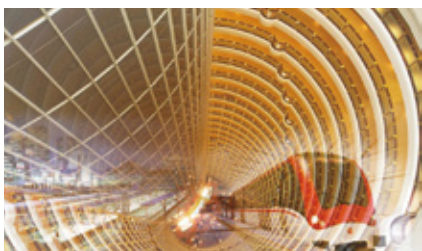
Petrochemical——

Fuel oil (gasoline, kerosene, diesel, etc.) and lubricants
and liquefied petroleum gas, petroleum coke, paraffin, asphalt
refining and distribution of storage
Delivery and distribution of chemicals



Other industries——

Mineral resources, ship, automobile manufacturing,
machine made, electronic equipment, medical equipment
manufacturing, biopharmaceutical, textile, papermak-
ing, food and beverage



Municipal projects——

Subway
Art center
Public building



TECHNOLOGY APPLICATION

Innovative design concepts and practice——

FLOWINN' s innovative product design concepts and products in practical applications have gotten multi-party attention and recognition. FLOWINN' s products are reliable, safe, convenient and other advantages such as compatibility, applicability, practicality and so on.

High-performance actuators——

Since FLOWINN' s products reach all corners of the world therefore we' re known for the quality, stable operation and operational safety. Our products, as always continue with this trend, will forever be the same.

Product technology——

FLOWINN' s products hold the technology in the field of valve automation industry for decades. Choosing FLOWINN is a professional choice. We have the superior product technology and professional R&D team to provide you with the suitable design.

DISTINCTIONS

Hi-tech Enterprise

FLOWINN got the honor of "Hi-tech Technology Enterprise" in 2013, also being granted "Outstanding Supplier of the Year" by many fortune 500 companies. The "Hi-tech Enterprise" honor has become the dictating power to upgrade the products and innovation because the honor is given based on those two foundations.



UL Certified Lab

FLOWINN's R&D testing lab has passed the evaluation of the "Underwriter Laboratories Inc." from America in 2016. This can effectively shorten the project certification test cycle, comprehensively enhance the efficiency of certification and customer service quality and promote the R&D testing improvements.



Explosion-proof electrical product production license

FLOWINN was able to produce explosion-proof electrical products followed by the release of the explosion-proof series actuators in 2014.



ISO 9001 quality management system certification

FLOWINN passed the ISO 9001 system certification in 2008. We always adhere to the principle for the high standards of product quality. It is also the year that FLOWINN began to cooperate with many Fortune 500 companies.



ISO 14001 Environmental management system certification

FLOWINN passed the ISO 14001 system certification in 2012, thus further expanded the production scale. FLOWINN applied this system strictly to every corner of the factory. In addition, FLOWINN has long been the world's environmental protection work included in the company's social responsibility.



OHSAS 18001 Occupational health and safety management system certification

FLOWINN passed the OHSAS 18001 system certification in 2012 because in order to grow and develop rapidly, it is a must to maintain a clean, healthy and safe working environment of the enterprise. A healthy enterprise must consist of healthy employees and therefore, employees are the greatest wealth of enterprises because staffs' growth and development are keys to business progress.





QUALITY ASSURANCE



FLOWINN strictly complies with ISO 9001, 6 Sigma and virtual board management systems, inspects all actuators strictly during the production process. Collecting all of the production data for further analysis and tracing.

Perfection has always been our ultimate goal.

Two years warranty is our commitment.



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PLEASE VISIT OUR WEBSITE AT WWW.FLOWINN.COM FOR ALL CERTIFICATIONS.

Services

FLOWINN'S PROFESSIONAL SERVICE TEAM IS READY TO PROVIDE USERS WITH COMPREHENSIVE SERVICES AND PROFESSIONAL TECHNICAL SUPPORTS AT ALL TIME:

- NO MATTER IT IS BY PHONE, MAIL OR ON THE SITE, WE ARE STANDING BY FOR YOUR INQUIRY.
- STABLE DELIVERY TIME.
- ON-SITE INSTALLATION AND DEBUGGING.
- REGULARLY FOLLOW UP OUR PRODUCTS STATUS AND MAINTENANCE.
- WE PROVIDE TRAINING FOR STRUCTURE KNOWLEDGE, OPERATION, DEBUGGING, MAINTENANCE AND MORE.

Customized Production

AS TO FLOWINN, THERE IS NO SUCH THING CALLED IMPOSSIBLE.
FOR SPECIAL REQUIREMENTS, WE PROVIDE CUSTOMIZED SOLUTIONS.





LAB EQUIPMENTS

Always value the product quality as the core of the company to participate in market competition. It is this successful positioning and all FLOWINN staffs' strong product quality awareness, which makes FLOWINN a valve automation solutions provider.

FLOWINN imposed strict control and management on all aspects related to product quality. Established a scientific test standards and the test indicators were quantified to ensure that the company continued steady production of qualified products.



Product Categories

Quarter-turn electric actuator

Regular series

Basic
Integral
Integration
Intelligent
Super Intelligent

Explosion-proof series

Basic
Integral
Intelligent
Super Intelligent



Multi-turn electric actuator

Basic
Integral
Integration
Intelligent
Super Intelligent



Linear electric actuator

Regular series

Integral
Intelligent
Super Intelligent



FLOWINN REGULAR SERIES QUARTER-TURN ELECTRIC ACTUATOR

Parameters

Torque range: 10 ~ 20000 N.m
 Corrosion level: Epoxy powder coating. NEMA 4X corrosion protection is optional (can be customized according to clients' needs)
 Ingress protection: IP67 (IP68 is optional)
 Motor specification: Class F, with thermal protector up to 135 °C (class H optional)



FLOWINN EXPLOSION-PROOF SERIES QUARTER-TURN ELECTRIC ACTUATOR

Parameters

Torque range: 35~20000 N.m
 Corrosion level: Epoxy powder coating. NEMA 4X corrosion protection is optional (can be customized according to clients' needs)
 Ingress protection: IP67 (IP68 is optional)
 Motor specification: Class F, with thermal protector up to 135 °C (class H optional)



Explosion-proof certifications:

NEPSI explosion-proof GB 3836.1, GB 3836.2, GB 12476.1
 Ex d IIB/II C T4 ~ T6 Gb DIP A21 TA, T4 (According to GB 3836.1, GB 3836.2)
 Ex tb IIIC T85 °C to T135 °C (According to GB 12476.1)
 Standard: IP66 Optional: IP67/IP68 (According to EN 60529)
 Temperature range: -20 °C to +65 °C; optional: -40 °C to +65 °C

ATEX (94/9/EC) II 2 GD c. EN 60079-0, EN 60079-1, EN 60079-31
 Ex d IIC T4 ~ T6 Gb Ex tb IIIC T85 °C/T100 °C/T135 °C Db T4, IP66
 Optional: IP67/IP68 (According to EN 60529)
 Temperature range: -20 °C to +65 °C; optional: -40 °C to +65 °C

IECEx. IEC 60079-0 & IEC 600679-1 Ex d IIC T4~T6 Gb
 Ex tb IIIC T85 °C~ T135 °C Db IP66; can be IP67/IP68 (According to IEC 60529)
 Temperature range: -20 °C to +65 °C; optional: -40 °C to +65 °C

CSA explosion-proof CSA 60079-0-11, CSA 600679-1-11, CSA 60079-31-12,
 UL 60079-0-11, UL 600679-1-11, IAS 60079-31-13
 Ex d IIC T4~T6 Gb
 Ex tb IIIC T4~T6 Db IP66; optional: IP67/IP68 (According to EN 60529)
 Temperature range: -20 °C to +65 °C

REGULAR & EXPLOSION-PROOF SERIES FLOWINN MULTI TURN ELECTRIC ACTUATOR

Parameters

Torque range: 35 ~ 3,000 N.m
 Running speed: 18~192 (rpm) (Please contact FLOWINN for other speeds)
 Corrosion level: Epoxy powder coating. NEMA 4X corrosion protection is optional (can be customized according to clients' needs)
 Ingress protection: IP67 (IP68 is optional)
 Explosion-proof level: Exd IIC T6 design
 Motor specification: Class F, with thermal protector up to 135 °C (class H optional)



REGULAR SERIES FLOWINN LINEAR ELECTRIC ACTUATOR

Parameters

Force range: 10000~25000N
 Max stroke: 100mm
 Corrosion level: Epoxy powder coating. NEMA 4X corrosion protection is optional (can be customized according to clients' needs)
 Ingress protection: IP67 (IP68 is optional)
 Motor specification: Class F, with thermal protector up to 135 °C (class H optional)

Parameters

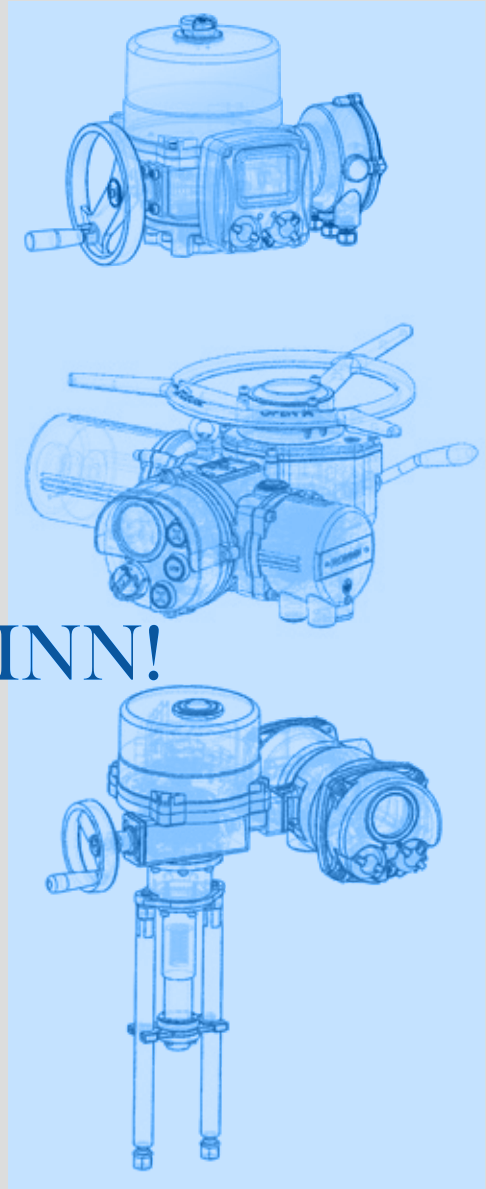
Force range: 1000~8000N
 Max stroke: 60mm
 Corrosion level: Epoxy powder coating. NEMA 4X corrosion protection is optional (can be customized according to clients' needs)
 Ingress protection: IP67 (IP68 is optional)
 Motor specification: Class F, with thermal protector up to 135 °C (class H optional)



HVAC Series FLOWINN LINEAR ELECTRIC ACTUATOR

Parameters: 500 ~ 3000 N
 Force range: 22 mm, 42 mm
 Ingress protection: IP54
 Motor specification: Class B

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