



Message from Mr. Arvind K Goel on Auma India celebrating 40th year of incorporation in India

Auma India has had a remarkable journey of growth in terms of infrastructure, processes, people, and products to become the largest supplier of electric actuators and valve gearboxes in India. Customers' trust in the brand "Auma" has grown from supplying a few hundred actuators per year to 40,000 actuators in its 40th year. Today, more than 3,00,000 Auma products are installed in all major projects across the country for process automation. Be it power, water and waste water, oil and gas, nuclear, cement, or steel, Auma actuators are at work behind the scenes, controlling some of the most critical processes in industry.

On behalf of Auma India, I take this opportunity to thank all its stakeholders, including direct and indirect customers, suppliers, and its pillar of strength - The People at Auma, for contributing to the successful journey of Auma India.



Arvind K Goel,
Managing Director,
Auma India



2x660 MW Khurja Super Thermal Power Plant

Auma India is supplying approximately 1000 actuators and gearboxes for NTPC's greenfield 2x660 MW Khurja Super Thermal Power Plant at Bulandshahar, Uttar Pradesh. Khurja Power Plant is based on supercritical technology and equipped with the latest emission control technology to protect the environment. The power plant aims to address the Northern Region's, particularly Uttar Pradesh's, power deficit.

To meet the stringent requirements of the power plant, Auma India is supplying advanced non-intrusive actuators with controls in SIL and Profibus versions. A SIL feature in the actuator allows execution of safety functions as and when required, and Profibus is used for 2-wire communication for efficient process automation.



150 MLD SWRO Desalination Plant at Nemmeli

Auma India is supplying actuators for a 150 MLD capacity Sea Water Reverse Osmosis (SWRO)-based desalination plant of the Chennai Metro Water Supply & Sewerage Board (CMWSSB) at Nemmeli, Chennai. This is the second desalination plant using Reverse Osmosis at Nemmeli, and potable water from the plant will be distributed throughout 14 urban areas of South Chennai. Earlier, Auma India had supplied actuators with Modbus for the first desalination plant at Nemmeli.

The supply includes advanced non-intrusive actuators with Profibus features for process automation at the site and foot-mounted part-turn worm gearboxes. The products are supplied with C5-M premium corrosion protection along with a double sealing system for corrosive environments.



Orders for newly launched TIGRON ex-proof actuators

Auma TIGRON explosion-proof actuators were launched in 2022 in India to cater to the oil & gas industry. TIGRON non-intrusive actuators include an absolute encoder for accurate direct limit and torque measurement. TIGRON actuators come with

- actuator diagnostics via the Auma digital ecosystem CORALINK,
- new robust combi-switch for easy navigation and optimised operation,
- wide operating temperature range of -65°C to +75°C,
- battery powered display and output contacts,
- Ex IIC T4 explosion-proof protection and
- the added feature of a commissioning assistant ensures perfect and hassle free installation at the site.

The product has been well received by the Indian market, and Auma India has received orders for the TIGRON explosion-proof actuators from customers like BPCL, HPCL, IOCL, and the NFL.



Urea Bagging Plants at HURL Gorakhpur, Barauni & Sindri

Auma India has supplied Trunnion mounted linear explosion-proof actuators for material handling equipment at Urea Bagging Plants at Hindustan Urvarak & Rasayan Ltd (HURL) Gorakhpur, Barauni & Sindri. HURL operates environment-friendly and energy efficient new Fertilizer complexes (Ammonia-Urea) of 2200 MTPD Ammonia and 3850 MTPD Urea (1.27 MMTPA neem coated Urea) at Gorakhpur, Barauni, & Sindri locations.

These linear actuators will be used for the demanding applications with frequent operations at the bagging plant.



IVAMA Association - Annual Conference 2022

The IVAMA Association, representing the Indian Valve and Actuator manufacturers, organised its annual conference 2022 with the theme "Make in India for the World" in The Lalit Hotel, New Delhi on July 15, 2022, to provide opportunities for its member companies to interact with end-users and EPCs.

Auma India was the platinum sponsor for the event and had the opportunity to display its products during the conference. Mr. Arvind K Goel gave the welcome note at the inaugural session and was the session chairman for the session "Opportunities in Upcoming Projects in Power, Water, and New Energy."

The Annual Conference was followed by the CEO Meet 2022 at which Mr. Arvind K Goel announced stepping down as Chairman of the Association on the completion of his tenure.

Flow Control Exchange India 2022 Exhibition

Auma India recently participated in the Flow Control Exchange India 2022 exhibition, which was held on October 18-19, 2022, at the Bombay Exhibition Centre in Mumbai. Auma India used the occasion to showcase its new range of products, like the TIGRON explosion-proof actuator for the oil and gas industry, the AI series actuator, the variable speed explosion-proof actuator, and the PROFOX actuator.



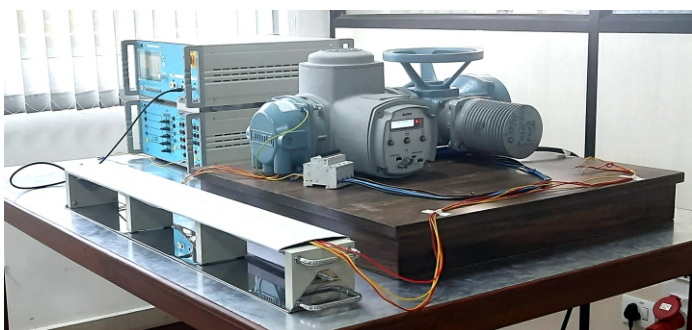
Production capacity to reach 4000 actuators a month

Auma India is currently manufacturing at full capacity to produce 3000 actuators a month. Further, in view of increased customer demand, Auma India is taking steps to enhance capacity by de-bottlenecking critical areas and expects to produce 4000 actuators a month starting January 2023.



New EMI/EMC test facility at Auma India

Auma India has set up an EMI / EMC test facility for testing and pre-qualification of new designs. This facility would also enable Auma India to cross-check the product design for verification and validation. Auma India is among the few companies to have in-house EMI / EMC test facilities in India.



Thermal imaging equipment for PCB testing

Thermal imaging plays an important role in the inspection of a large number of mounted PCBs and helps visualise the excessive heating of certain components in actuator controls, allowing for the immediate detection of a wide range of issues after the PCBs have been mounted in the design stage. This allows manufacturing defects to be discovered early in the design and prototype manufacturing process.



Climatic Chamber facility for products/components testing

A climatic test chamber as per standard IEC 60068-3-5 has been installed at Auma India to perform cyclic low, high temperature, and humidity tests on products or components and monitor the component and product performance in simulated extreme environmental conditions. With this test chamber, Auma India will be able to test the actuator's functionality in the temperature range of -70°C to +180°C.



PROFOX actuators is now available in explosion-proof version for lower torque range

Auma continuously invests in product development to offer solutions to meet the critical needs of industries. Recently, Auma has launched the PROFOX range of actuators in an explosion-proof version for a lower torque range on small valves. The PROFOX actuators were earlier available only in a weather-proof version and have been installed at various prestigious sites around the world.

PROFOX ex-proof actuators are certified for ATEX / IECEx - IIC, Zone 1 explosion protection and are available for both multi-turn and part-turn applications for Open-Close and modulating duty. These actuators are designed to work with single-phase voltages ranging from 100 to 240 volts at 50 to 60 Hz, as well as a 24 volt DC power supply and an ambient temperature range of -30 °C to +60 °C. The setting of end positions on the actuators can be done via the AUMAAssistant App. PROFOX actuators are IIoT-ready for easy integration into DCS and can be connected using Profibus and Modbus.

Design feature - Multi-turn PROFOX ex-proof actuator (PF-MX):

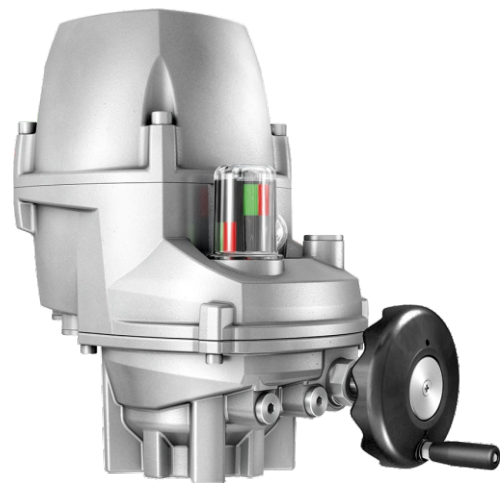
- Torque range between 10 Nm to 100 Nm
- Output speed between 0.5 and 14 rpm
- Limit and torque switching
- Handwheel for manual operation
- Mechanical position indication in various setting ranges

Design feature - Part-turn PROFOX ex-proof actuator (PF-QX):

- Torque range between 32 Nm to 600 Nm
- Operating time is field settable in 9 steps
- Limit and torque switching
- Handwheel for manual operation
- Mechanical position indication



PROFOX multi-turn actuators
PF-M25X, PF-M50X, PF-M100X



PROFOX part-turn actuators
PF-Q80X, PF-Q150X, PF-Q300X, PF-Q600X

Advantages of PROFOX actuators

- Low torque range solutions
- Brushless DC motor
- Low standby consumption
- Clear position indication, FOX-EYE (indication LED)
- Actuator diagnostics via Auma digital ecosystem CORALINK
- Easy installation & intuitive commissioning at the device and via App
- Option to convert into foot-mounted actuator.

For more details, please visit www.auma.com

Customer Training Program @ Auma India

After a gap of two years, Auma India was happy to conduct an in-house customer training program from 09.08.22 to 11.08.22 at Bangalore. Earlier, due to Covid -19 protocols, online training was being conducted for all.

The customer training was a 3-day program with a mix of theory and practical sessions, which was attended by representatives of valve makers, end-customers, and Auma dealers. Customers can register online at www.auma.co.in or reach out to the Auma India service team to participate in the customer training programs.



AUMA CSR

Inauguration of Auma India sponsored PIA Working Women's Hostel after renovation

Auma India under its CSR activity, has contributed funds of INR 1.26 crore for the renovation work of the PIA Working Women's Hostel at Peenya, Bangalore. The hostel houses more than 100 underprivileged women from rural areas who relocate to Bangalore to work in industries.

The renovation work in the hostel was started last year by Peenya Industrial Association to offer better living facilities for underprivileged women staying in this hostel. The renovation work was completed in August 2022 and inaugurated by Mr. Arvind K Goel, Managing Director, Auma India.



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