

EVACO valves _____

Actuator system

auma®

Solutions for a world in motion



المركز العربي للتحكم و الهندسة

ARABIAN TELECONTROL & ENGINEERING CENTER

Multi-turn actuators

Electric multi-turn actuators by AUMA are used e.g. for the automation of gate valves or globe valves. They are the most versatile products within the AUMA family.



AUMA multi-turn actuator

Design features SAEx

- Torque range from 10 Nm to 16,000 Nm
- Output speeds from 4 to 90 rpm
- Limit and torque sensing
- Available with 3-ph AC motors
- Handwheel for manual Operation

Design features SAREx

- Torque range from 15 Nm to 4,000 Nm
- Modulating torque range from 15 Nm to 1,600 Nm
- Max. number of starts 1,200 c/h
- Output speeds from 4 to 90 rpm
- Limit and torque sensing
- Available with 3-ph AC, 1-ph AC motors
- Handwheel for manual operation

AUMA Part turn actuator



Design features SQEx

Torque rang from 50 Nm to 2,400 Nm
Swing angles from 75° to 105°
Operating time ranges for 90° from 4 s to 100 s
Limit and torque seating
3-ph AC motors
Handwheel for manual operation
Mechanical Position indicator

Design features SQREx

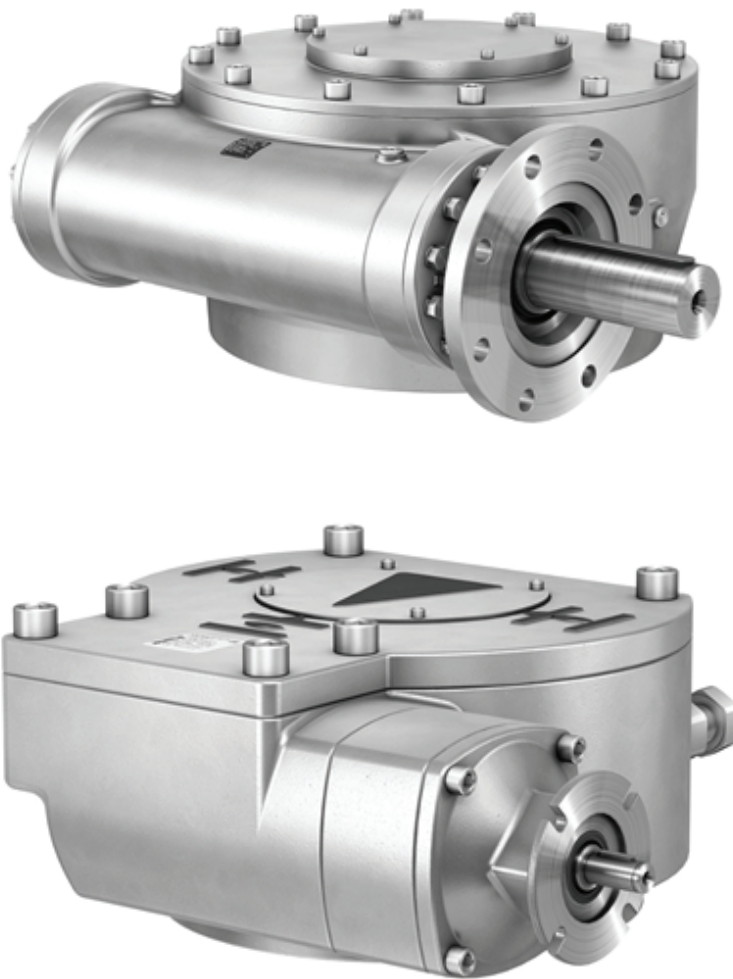
Torque rang from 50 Nm to 2,400 Nm
Modulating torque from 75 Nm to 1,200 Nm
Max. number of starts 1,500 c/h
Swing angles from 75° to 105°
Operating time ranges for 90° from 8 s to 100 s
Limit and torque seating
3-ph AC motors
Handwheel for manual operation
Mechanical Position indicator

Gear boxes

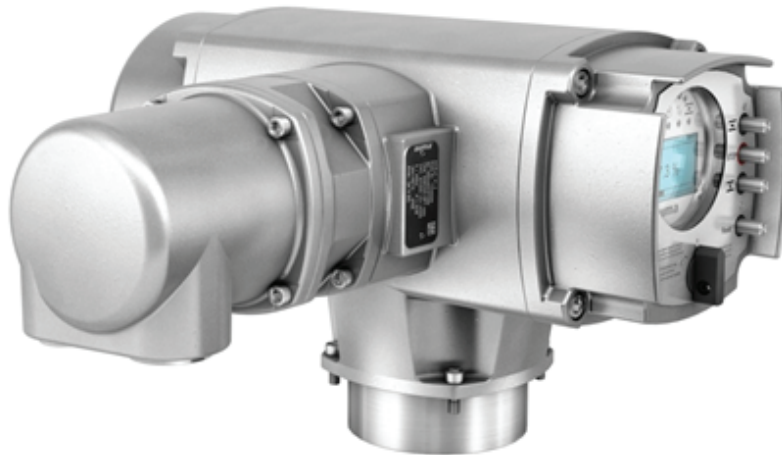
multi turn gear boxes



part turn gear boxes



Control unit ACExc



Design features

Modular interface concept for remote control

Local controls with lockable selector switch, push-buttons and indication lights

LCD display for status indication and programming support

Non-intrusive actuator setting and control programming
(in connection with magnetic limit and torque transmitter MWG)

Separate mounting on wall bracket possible

Motor control via reversing contactors or thyristors

Automatic phase correction

External 24 VDC supply (option)

Communication

Fieldbus

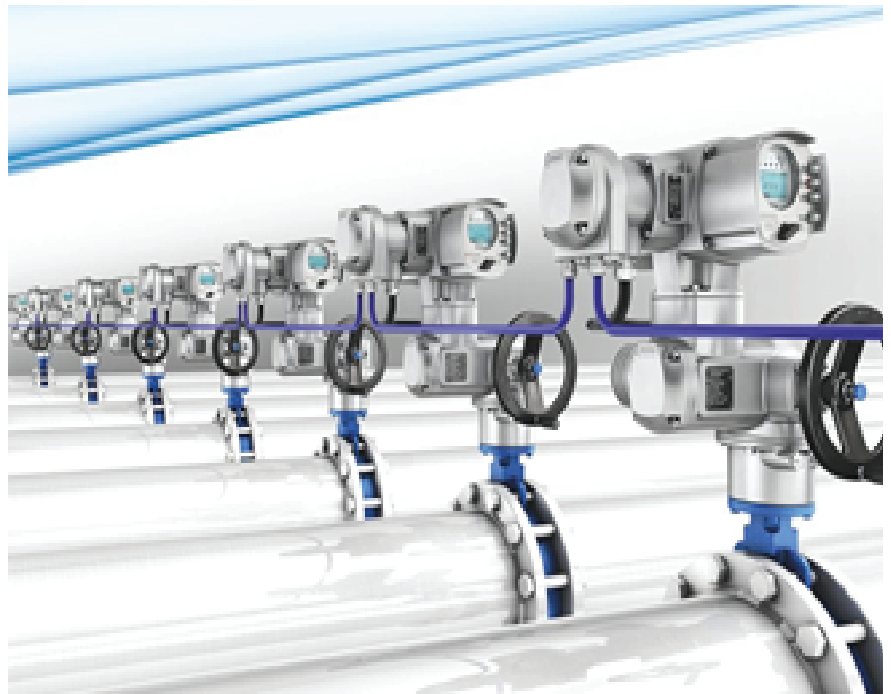
AUMA fieldbus devices

Many different fieldbus systems are available on the market. Certain preferences have evolved on a regional level or specific to certain plant applications. Since AUMA actuators are implemented in all types of process plants around the globe, they are available with any fieldbus system established in this industry.

Profibus DP

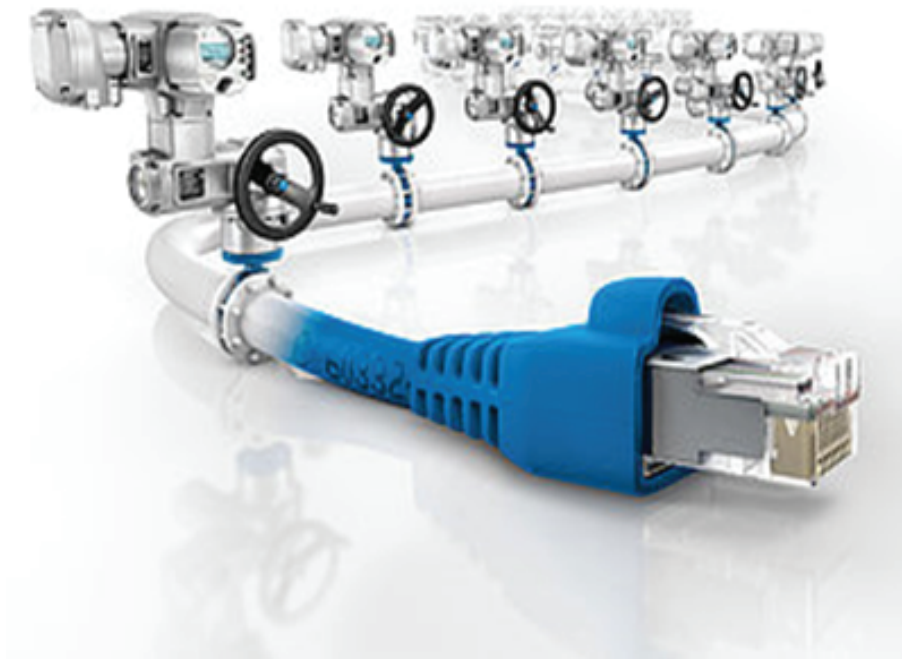
Modbus RTU

Foundation Fieldbus



Overall, AUMA devices are available with binary and analogue inputs to connect additional sensors to the fieldbus.

Industrial Ethernet



Today, classic Ethernet is the leading standard for data networks in office environments. “Industrial Ethernet” describes the enhancements allowing the use of Ethernet even for sophisticated applications in industrial automation.