

Linear / Rotary Electric actuator

- **Output torque and speed are independent of the supply voltage / frequency (within a wide tolerance)**

Actuator torque and positioning speed are unaffected by voltage variations of $\pm 15\%$ of the specified voltage range (transitional voltage tolerance $\pm 20\%$) and frequency variations from 40 Hz to 70 Hz.

- **Low starting current – always below nominal rated current**

- Allows lower cable rating / longer cable lengths
- More actuators can be connected to a given cable size
- UPS systems can be specified with a lower power rating

- **Enhanced valve protection**

- The actuator reduces speed before reaching the end position
Valves are moved gently in or out of the end positions at full torque
- Torque tripping without over-torque
The actuator is shut off at the stall torque of the motor

- **Easy positioning speed changes**

Process optimisation can occur post installation
➔ Allows simplification at the planning stage

- **Water hammer / cavitation avoidance**

The travel of the actuator can be divided into ranges: an optimal positioning speed can then be selected for each of these ranges to avoid water hammer and cavitation. In addition, it is also possible to linearise the valve flow characteristics using this variable speed capability

- **Precise control with high repeatability**

Accurate and repeatable valve positioning is achieved through speed reduction when approaching the setpoint

- **Multiple software configured options**

- Many software options are available which can easily be subsequently configured, for example process controller, travel-positioning time curve etc.
- Customer specific functions can be implemented at short notice

- **DCS / PLC interface is fully flexible**

Binary and analog signaling are always available, even when utilizing the fieldbus interface
The fieldbus interface is easily retrofitted

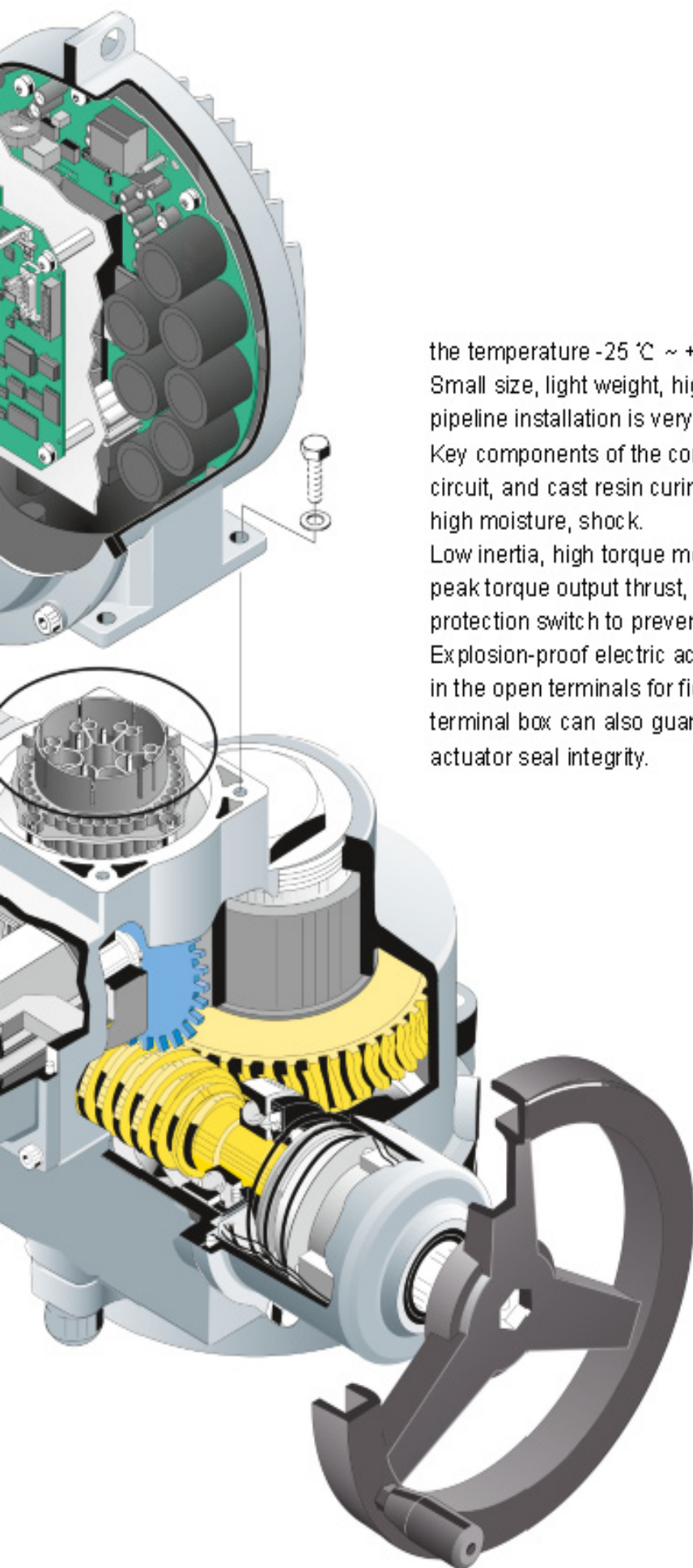
- **Single or three-phase power supply**

Use of a frequency converter in combination with a robust three-phase asynchronous motor allows connection to single or three phase power supplies



AUMATO ELECTRIC ACTUATORS

Series AMT



the temperature $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Small size, light weight, high integration, supporting the valve in the pipeline installation is very simple and convenient.

Key components of the controller using advanced hybrid integrated circuit, and cast resin curing, the aging process, reliability, high moisture, shock.

Low inertia, high torque motor after the motor starts quickly reach peak torque output thrust, motor with brake, and built- in thermal protection switch to prevent damage to the motor.

Explosion-proof electric actuator has a double seal protection design, in the open terminals for field wiring cover, individually sealed terminal box can also guarantee the electrical parts inside the actuator seal integrity.

HOW TO ORDER

Linear / Rotary Electric actuator, series AMT

AUMATO[®]
ELECTRIC ACTUATOR