

GEMÜ 539 eSyDrive



GEMÜ 549 eSyDrive



GEMÜ 649 eSyDrive

Motorized linear actuator GEMÜ eSyDrive

Areas of application

- Pharmaceutical, biotechnology and cosmetics industries
- Foodstuffs and beverages
- Chemical engineering
- Power generation and environmental engineering
- Mechanical engineering and processing industry

Features

- Open/close function, position and process control
- Available as diaphragm valve, angle seat globe valve and globe valve
- 3 actuator sizes available
- Variable force and speed
- Diagnostic functions
- Hygienic design
- Self-locking
- Energy-efficient

Description

Designed on the basis of the hollow shaft principle in conjunction with technology that does not use brushes or sensors, the GEMÜ eSyDrive actuator sets new standards in terms of service life, compactness, actuating speed and energy efficiency. The self-locking actuator also offers a high level of reproducibility for positioning and is therefore particularly suitable for use in precise control applications.
The Ethernet-based eSy-web interface, in conjunction with an integrated web server, enables the exchange of parametrization and diagnostics data and the networking of several devices.

Technical specifications

- **Nominal sizes:**
  1/2“ (DN 15) to 4“ (DN 100)
- **Ambient temperature:**
  -10 to 60 °C
- **Operating pressure:**
  0 to 40 bar
- **Energy supply:**
  24 V DC
- **Actuating speed:**
  max. 6 mm/s
- **Protection class:**
  IP 65

Applications

- Variable, complex open/close and control applications
- Applications with stringent requirements regarding performance and service life
- Energy-efficient alternatives to pneumatic globe and diaphragm valves
- Applications with contamination risks due to compressed air
- Compact systems without separate compressed air supply
- Mobile systems



GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6–8 · 74653 Ingelfingen · Germany · Phone +49 (0)7940 123-0 · info@gemue.de

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