

COMPACT POWER. **FULL CONTROL.**



## RP Actuator

The compact electric actuator  
for part-turn valves

## RP Actuator – sizes



## Economic in operation – sustainable on mission.

Developed for today's and future challenges:  
If industrial processes are to become simpler, more precise and more energy-efficient, there is no alternative to electric actuators. The RP stands for a new generation of compact part-turn actuators. Its design saves space, simplifies integration and enables efficient warehousing all at the same time.

High efficiency, maintenance-free mechanics and low energy consumption – all combined in a compact solution designed to meet the demands of modern installations.  
Depending on the application either available with plastic or stainless steel housing.

Compact dimensions for  
flexible mounting options



Compact and  
lightweight

Quick installation



Plug & play and intuitive  
commissioning

BLDC motor with soft start/  
soft stop and metal driving  
mechanism



Rugged and  
maintenance-free

Energy efficient



Low power consumption  
during operation and in  
standby mode

Engineered and manufactured  
in Germany



High quality

## Designed for a vast variety of industrial tasks.

Whether in hygienically sensitive processes, corrosive environments or confined installation spaces – the RP is at home in many industries where safety, reliability and compactness are crucial. Its compact size and two available housing materials – plastic for standard applications and

stainless steel for demanding environments – make it the ideal solution for a wide range of applications. The rugged, metal components within the housing ensure maximum performance in a compact space and sustainable quality.





## Hygienically relevant & sensitive processes

### Food and drinks · pharmaceuticals · chemicals

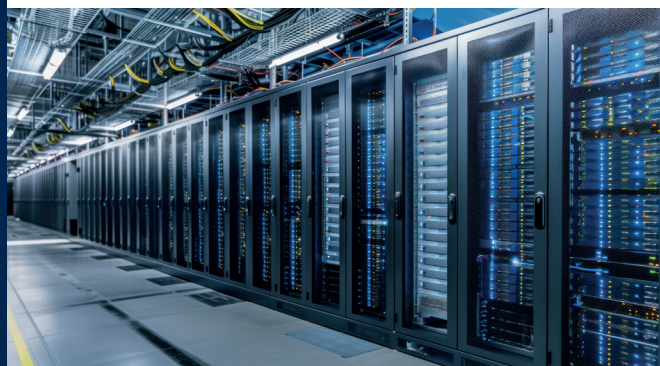
Hygienic, reliable and precise – ideal for sensitive process environments with demanding requirements.



## Infrastructure & utilities

### Agricultural industry · energy and water · data centres

Rugged, weatherproof automation – reliable in wet conditions, during continuous duty and for temperature fluctuations.



## Building services & security systems

### Building services and HVAC · Ventilation · Fire fighting systems

Compact electric actuation solutions – easy to integrate, compact and reliable in both day-to-day operation and in emergencies.



## Marine & offshore

### Water treatment · ballast tanks · fire-fighting water systems

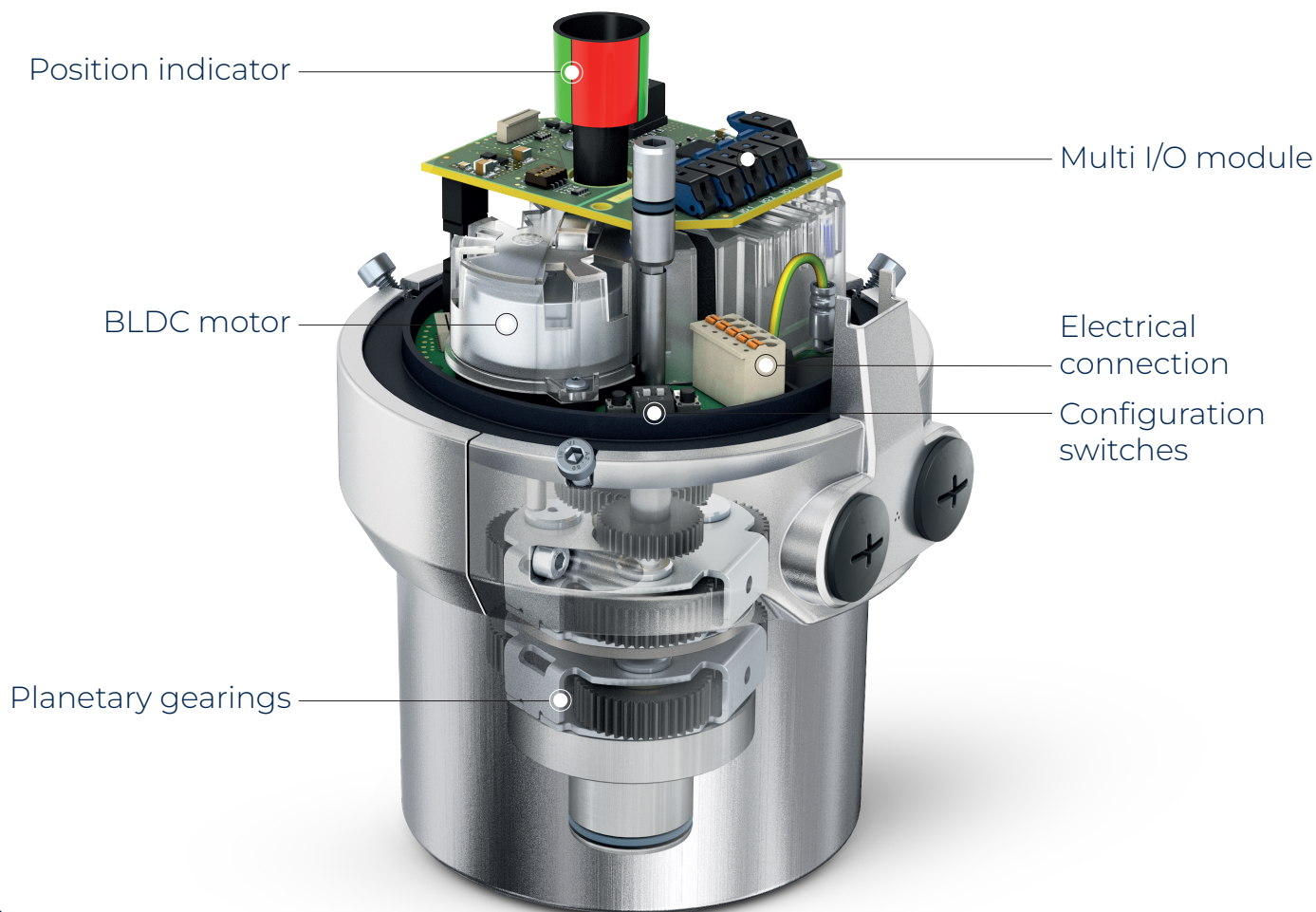
Corrosion-resistant and reliable – for central water, tank and supply systems, as well as process applications involving the flow of media.



## Technology at its best. Safe processes.

A brushless DC motor (BLDC) with precision planetary gearing delivers high torque density in a very compact space. Soft start/soft stop and sensor technology ensure smooth operation, high

control accuracy and a long lifetime – protected by a fully enclosed housing that reliably shields the components from dust, humidity and external impacts.



# Electric because sustainability matters.

Electric actuators are the logical solution to the growing demands for sustainability and process reliability. The RP reduces energy consumption and maintenance costs – and offers full control

during operation. Precision without additional units, predictable efficiency, safe positioning – using analogue signals and a smooth motion profile.

|                     | RP Actuator                                         |                                   |
|---------------------|-----------------------------------------------------|-----------------------------------|
| Criterion           | Electric actuator                                   | Pneumatic actuator                |
| Energy requirements | No compressed air supply required – high efficiency | Energy loss due to the compressor |
| Maintenance         | Maintenance-free across the product lifetime        | Regular leak tightness testing    |
| Control             | Precise positioning (0 – 10 V / 4 – 20 mA)          | Complex positioning               |
| Installation        | Plug & play – no units linked                       | High time and space requirements  |
| TCO                 | Predictably low cost of operation                   | High and fluctuating              |

## Flexible integration – ready for any process.

Whether as a standalone actuator or a system-integrated solution, the RP can solve the tasks of modern automation. Thanks to standardised interfaces and intelligent electronics, RP integration

into existing control systems is extremely flexible. The RP communicates with high reliability, responds accurately and provides control and feedback signals tailored to the application.

## Quick commissioning with reliable results.

The RP is sized for efficiency – also during installation. Thanks to its low weight, the actuator can be easily installed even in those installation sections where access is difficult.

Standardised flange dimensions and simple electrical connections accelerate commissioning. This saves time and caters for reliable planning.

| Step 01                                   | Step 02          | Step 03                | Step 04                                                      | Step 05                                                               |
|-------------------------------------------|------------------|------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|
| Place RP actuator and tighten with screws | Mains connection | Configure DIP switches | Set end positions (auto / manual), Adjust position indicator | Check LED signal:<br>Blue = setup<br>Green = operation<br>Red = fault |









ТКАЦАЛ

ТКАЦАЛ

| Data according to size |                             |                             |                                  |                  |                                         |
|------------------------|-----------------------------|-----------------------------|----------------------------------|------------------|-----------------------------------------|
| Type                   | Torques                     |                             | Operating time for 90° [seconds] | Valve attachment | Weight                                  |
|                        | "Open-close duty max. [Nm]" | "Modulating duty max. [Nm]" |                                  |                  | Stainless steel / plastics approx. [kg] |
| RP15                   | 15                          | 10                          | 9                                | F03 / F04 / F05  | 1.7 / 1.3                               |
| RP30                   | 30                          | 15                          | 9                                | F03 / F04 / F05  | 1.7 / 1.3                               |
| RP32                   | 32                          | 20                          | 16                               | F03 / F04 / F05  | 2.6 / 1.5                               |
| RP64                   | 64                          | 20                          | 16                               | F03 / F04 / F05  | 2.6 / 1.5                               |
| RP100                  | 100                         | 20                          | 20                               | F03 / F04 / F05  | 2.6 / 1.5                               |
| RP150                  | 150                         | 75                          | 21                               | F07 / F10        | 7.9 / 6                                 |
| RP300                  | 300                         | 75                          | 21                               | F07 / F10        | 7.9 / 6                                 |



RP product variant  
Plastic version



RP product variant  
Stainless steel version

**rp-actuator.com**

DREHMO GmbH –  
Member of AUMA Group  
Zum Eichstruck 10  
57482 Wenden, Germany

Phone: +49 27 62 98 50-0

---

A product of AUMA Group