



DREHMO

VALVE ACTUATORS

keeping the flow...



PROFILE



Our World relies on a constant flow. Without this permanent motion we would not be here. Sometimes though it is necessary for us to take control over the flow of the elements we rely upon. That's where DREHMO comes in.

Our valve actuators make sure that oil, gas, water or steam only flows when it's supposed to, and that only the exact amount of media that's needed leaves its place. No more and no less.

But it's about more than just *on* and *off*. On the following pages we would like to show you what DREHMO is about, the people behind the actuators and, most of all, what we can do to keep your business in the right *flow*.

keeping the flow...

...with a team of experts.



Made in Germany

High manufacturing-depth and the best possible quality are only two of the advantages our production and its flexible and well-trained staff in Germany offers you.



Quality guaranteed

At our quality control center 100 percent of our actuators are individually checked as well as calibrated and set according to our customers' requirements. We provide a factory test report as well as a customer testing.



Know-how united

Product development, state-of-the-art production and quality control, sales and after-sales-service out of one hand are the strength of company DREHMO.

PEOPLE

DREHMO

HARDfacts

- **AEG, EMG and DREHMO:**
more than 80 years of common experience with valve actuators.
- Certified quality „Made in Germany“.
- Flexible team of technically experienced and highly motivated engineers and technicians.
- High customer-benefit through individual consultation in advance, high-tech products and committed after-sales service.
- Sales and service worldwide and at any time due to a network with bases in 78 countries.



At your side

Intensive consultation through our specialists with precise knowledge of both products and processes leads to economically and technically optimized concepts and saves you a lot of time and money.



Dynamics

The most modern tools for development and production in the hands of highly motivated and qualified engineers constantly push the “state of the art” - for your benefit.



The world's our market

The *team of experts* is not limited to Germany or Europe. Consultation, sales and service concerning valve actuators to us is a global assignment which we have been working on for decades with our international staff. For you.



At first sight a coal-fired power plant and a tankfarm might not have a lot in common. For us they do, because in both facilities DREHMO actuators adjust the flow of various media.

This shows how diverse the tasks and applications with which we and our products are faced are, because every application has its own special demands towards an actuator. We constantly adjust to these needs and it might be easier to list where DREHMO actuators are *not* in use.

Whether it is the power industry with its coal-fired-, gas-fired-, nuclear- and waste to energy power plants, the extraction, transportation, storage and refinement of oil and gas, the water industry or the production of steel and cement - we keep the right *flow* everywhere.

keeping the flow...

...in power, water, oil and gas.

MARKETS



Solar thermal power plants

Beside the valve automation within the water and steam cycle our core competence is the temperature control of the heat transfer fluid.



Waste water treatment plants

Special applications require special actuators. We offer ideal solutions for e.g. oxygen injection, sludge treatment or iris control valve for the use in waste water treatment plants.



Power plants

Actuators for applications in power plants such as high-pressure valves, spray water control, coal handling, turbine-bypass, feed water control or heat exchangers have always been and will constantly be the strength of DREHMO.

Actuator solutions for

- **Power**
Coal-fired, gas-fired, solar thermal (CSP) and nuclear power plants, waste incineration facilities, district heating etc.
- **Oil and gas**
Pipeline-automation, manifolds, tankfarms, underground gas & oil storage, chemical processing facilities etc.
- **Water**
Drinking and waste water plants, filtration systems, irrigation and desalination systems etc.
- **Industry**
Steel and cement works, shipbuilding, pulp and paper industry, varnishing facilities, building automation etc.



Oil platforms & extraction

We apply special surface treatment for our actuators to receive highly corrosion resistant applications. Therefore these actuators are ideal for offshore-applications such as oil platforms.



Water industry

When water must be kept in the right *flow* in filtration systems, penstocks, rain overflow basins or irrigation systems, our actuators are the right choice for a large variety of applications.



Petrochemical industry

Our reliable and sturdy actuators are a vital element of tankfarms, oil/gas/LNG-terminals, gas storages, air field fuel handling, refineries and underground gas and oil storage around the globe without which these facilities could hardly exist.



Our products are best when you don't recognize that they are actually there. Therefore we try as hard as possible to design and produce actuators that attract as little attention as possible throughout their entire life-cycle.

Over the last decades we have constantly fulfilled this expectation to "set and forget" with our wear-resistant and low-maintenance actuators in countless applications all over the world.

Being active internationally in diverse branches of industry requires to adjust to the regional claims and needs. That is why we offer our actuators in every technical style necessary. Whether there is need for standard models with mechanical signalization or for non-intrusive high-tech actuators (or something inbetween), DREHMO has the right product. What they all have in common is the sturdy industrial design, the ease of use and the universal usage.

Furthermore, our long-term product politics guarantees spare parts and service throughout the life cycle of your plant.

keeping the flow...

...with reliable actuators.

PRODUCTS

1 Motor

TENV squirrel cage motor. Protected against humidity and dust ingress and therefore suitable for extreme ambient conditions.

2 Gear design

Long-life planetary (LLP) gear drive with two inputs. Lubricated for lifetime. Full operation in all mounting positions. Limited number of gear parts needed. Very wear-resistant with low maintenance requirements

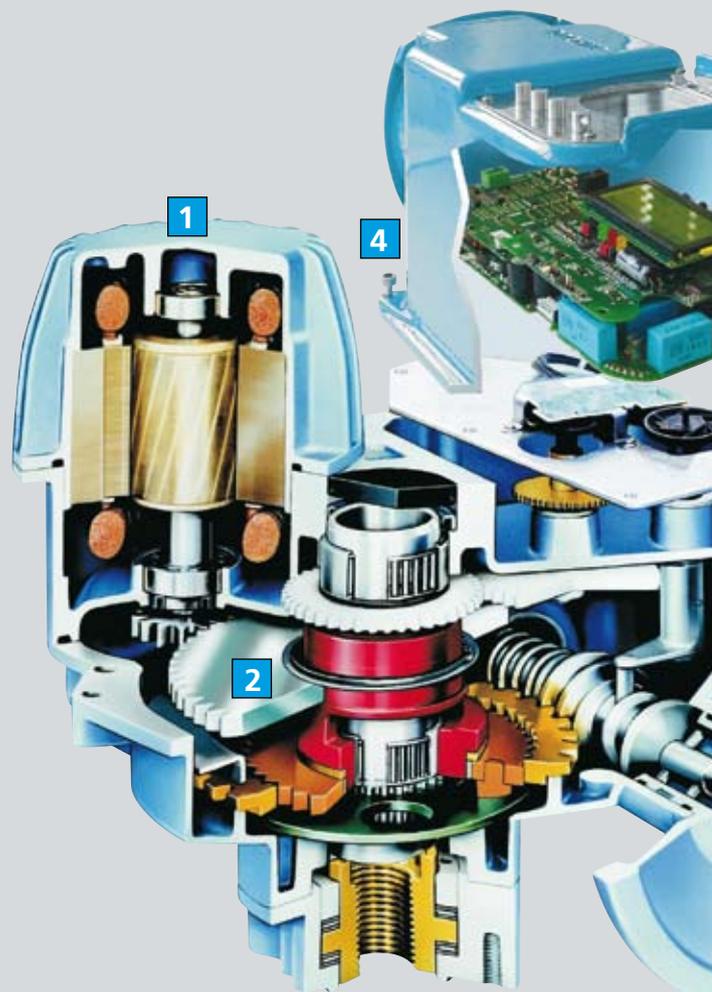
3 Handwheel

For manual operation. Due to the unique LLP gear design no mechanical change-over mechanism is required. Handwheel stays idle during motor operation.

Plug & play connector

4

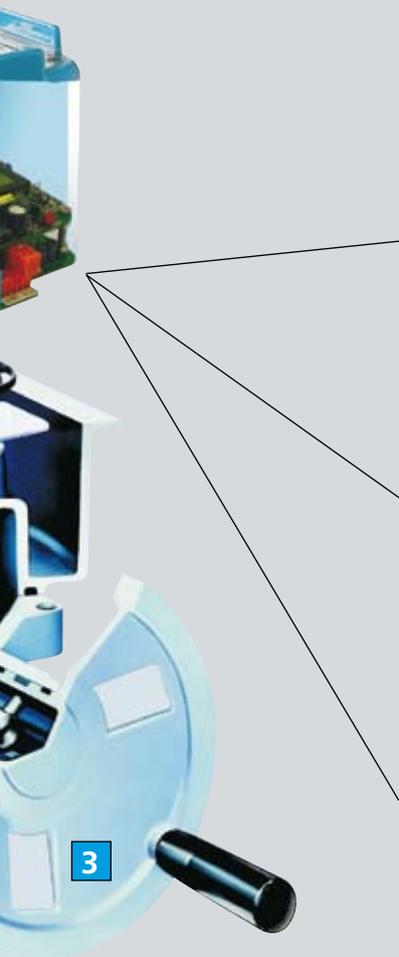
Safe and quick connection of the power and control cables.



DREHMO

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- For all environments.
- For all kinds of valves.
- For all PLC/DCS/SCADA systems.
- Modular design.
- Wear-resistant LLP-gear with low maintenance requirements.
- Explosion-proof and SIL.



DREHMO S-range

- Torque and position-measurement by micro switches.
- Hard-wired feedback-signals.



DREHMO C-Matic

- Integral control-unit with built-in user interface in sturdy industrial design.
- Contactless torque and position measurements via COMBI sensor.
- Easy setting due to LEARNfunction.
- Programmable actuator functionalities.



DREHMO i-matic

- High-end sophisticated actuator.
- User interface with LC-display and push-buttons.
- Including Matic C functions and additionally:
- Programmable actuator functions and operating modes via remote and local settings.
- Watchdog.
- Electronic nameplate.
- Datalogger.
- Local valve diagnostics for predictive maintenance.



Often business relations end with the purchase of a product. But for us, that's the start! After-sales service to us is not just a hollow phrase but daily-life practise.

As we want to continually secure the highest possible plant availability to our customers, it is necessary to offer them the best possible support. But that alone would not be enough.

With our individual service-concepts we accompany you and your facility from the first steps of planning to the eventual refurbishment or decommissioning. With operator trainings, quick and reliable supply of spare parts and our troubleshooting-hotline we act responsible for the actuators which keep the right *flow* in your plant.

But our concepts not only relate to newly planned projects. When it comes to refurbishment of existing plants we take over all relevant steps such as the site inspection, design face and supply of all elements needed as well as supervision of the installation and the final release through our „RetroFit“ program, making your facility fit for the future.

keeping the flow...

...with an elaborate service concept.

SERVICES



There for you

Support on commissioning or revision, on-site help at any time and the quick supply of spare parts are daily practise for our committed service team.



Service with vision

Our concepts for predictive maintenance, combined with the possibility to get fault messages in real text directly at the actuator or onto your PDA (via Bluetooth) can save your time, costs and nerves.



Know-how we pass on....to you

Our workshops and trainings allow you to get used to the design and the functions of our products and therefore enable you to set, maintain and service your actuators yourself without the need of external support.

DREHMO

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- Responsible, customer-orientated service from planning over the entire life-cycle of the facility.
- Creation of individual service concepts in close cooperation with our customers.
- Quick, flexible help and guidance through the DREHMO hotline.
- Workshops and trainings for users both on-site and at our service centers.
- Exactly planned plant extension and refurbishment of existing plants by our "RetroFit" program.



Modernizing...

When it comes to the refurbishment of an existing facility we take over all actuator-relevant jobs from site inspection and the detailed sizing to the design of tailor-made...



...with RetroFit

...actuators and adaptors. Of course our service team also supervises the installation, commissioning and implementation on-site and stays at your side for further support.



May we help you?

Everything we offer you is only possible with (and because of) the people behind the actuators. Therefore it's important to us that you can contact us and our staff in person at any given time.



On the previous pages you found out a lot about DREHMO. About the people behind the actuators, about the markets on which we are active, about our actuators and about the services we offer every one of our customers at any time.

Instead of being only product supplier we see ourselves more as an active partner of consultants, contractors and users of industrial facilities all over the world.

That is how we became a successful, leading company with satisfied customers on all continents and it is the way we are going to move onward to strengthen our position even further.

The results speak for themselves.

keeping the flow...

...everywhere at any time.

Europe

VATTENFALL • E.ON • SHELL • ABENGOA SOLAR • ABB
NEM • RWE • ALSTOM • GAZ NATURAL • GDF SUEZ

North America

GENERAL ELECTRIC • FPL • TVA • EMERSON
NOOTER ERIKSEN • URS • WORLEY PARSONS

Middle and South America

ENELVEN • CSN • CFE • PEMEX • SIEMENS
IBERDROLA • CERREY • ENDESA

Africa

ESKOM • SASOL • RANDWATER • SONELGAZ
ZESA • BLACK&VEATCH • SIEMENS • ONE

Asia

HUANENG POWER • DOOSAN • SINOPEC • NTPC
HITACHI • IHI • PETROCHINA • KEPCO • KDHC • SEPCO

The Middle East

ADWEA • PETROYET • SWCC • OPWP • DEWA
NIOC • SEC • PGESCO • PDO • POGC

Australia & New Zealand

EDISON MISSION CONTACT ENERGY • TRUE ENERGY



DREHMO

HARD*facts*

- Satisfied customers on all continents for more than six decades.
- Full-scope supplier and partner of consultants, contractors and end users.
- Worldwide references and approvals.
- Acknowledged High-Tech products.



ALSTOM



e-on



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