

The perfect solution for any scenario.

The right actuator for any application and any valve



OEM ACTUATOR 5

A world of actuator engineering

→ www.moehlenhoff.de

The most energy-efficient
actuator on the market



OEM Actuators

More efficient, more powerful, more versatile.

As a worldwide market leader Möhlenhoff GmbH offers a comprehensive product range of thermal valve actuators for virtually all valves used in underfloor heating and cooling, as well as building control systems. The company stocks a full range and excels in its superior customer focus. As a result it can supply the right actuator for almost any requirement.

Performance and energy efficiency in one

With their sophisticated engineering, first-rate reliability and high-quality design Möhlenhoff OEM actuators have long enjoyed an excellent reputation all over the world. What's more, all the actuators have the lowest energy consumption in their category and are produced in a way that's particularly kind to resources and the environment.

Variety of types

In addition to increasing the range of thermal valve actuators, the product portfolio has been widened to include motor-driven actuators for longer strokes and actuating forces.

A strong partner at your side

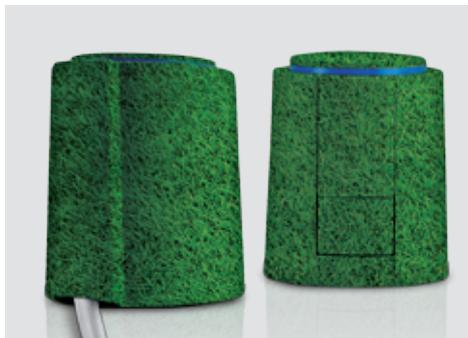
Möhlenhoff OEM customers appreciate the first-class product service and customised options that add up to exceptional success on the market. Just tell us your requirements and we'll liaise with you to turn them into reality.

Customising your product for the market

- Tailored design of the body and colour
- Custom-made logo printing
- Customised labels, barcodes and packaging, article numbers on the product

Support with market launches

- Product information such as data sheets, manuals and product photos supplied
- Support in creating customer-specific literature and with marketing



Very low energy consumption

With energy consumption of just 1 watt, the OEM Actuator 5 requires 45% less energy than the previous version. In just one year, the OEM Actuator 5 saves 7 GWh and produces a better footprint with CO₂ emissions cut by around 4,000 t.



Durability and reliability guaranteed

Whether it's a case of 4, 5, 6.5 and 9 mm strokes, Möhlenhoff is the only manufacturer to guarantee the actuator stroke over the whole 10-year life cycle. Now that's what you call precision made in Germany.



Easy slot assembly

Screw on the valve adapter without any tools, slot on the valve actuator and you're ready to go. Thanks to the valve adapter system, Möhlenhoff actuators fit 99 per cent of all valves on the market. They're ideal where retrofits or replacements are concerned.



Maximum reliability

Because of its excellent quality and safety standards, Möhlenhoff guarantees that the OEM actuators are fully protected against standard overvoltage in the electricity supply network. The patented sealing procedure also guarantees protection from water in all assembly scenarios (IP54).



Standard-compliant power line

Already wired in or pluggable, compliant with EN 60730-2-14, also halogen free or made to requirements.

Underfloor heating

The OEM Actuator 5 and Smart Valve Drive product families are thermal actuator frontrunners the world over. The room-temperature control actuators stand out for their exceptional quality, sophisticated capabilities, durability, easy assembly and attractive designs.

Due to their modular structure and flexible production method they are easy to customise to suit preferences. Benefit from our experience.

The traditional OEM Actuator 5

1 watt



A near-perfect product is now even better

The traditional product for room temperature control is now even better and still 100% compatible with the valve adaptor system and the previous generation's power line.

Features at a glance



- Power consumption of just 1 watt for 24 V, 230 V and 120 V
- 100 N actuating force
- Standard product design for all types:
Standard, standard with plug, four-wire
- Large all-round display
- 4 mm and 5 mm strokes (more on request)
- Overvoltage protection guarantee
- First-open function for easy assembly and commissioning
- Normally closed (NC) or normally open (NO)



Standard



Standard with plug



Four-wire

The clever OEM Smart Valve Drive



Small spaces between valves require special solutions

Small-size Smart Valve Drive also fits on narrow underfloor heating manifolds.

Features at a glance



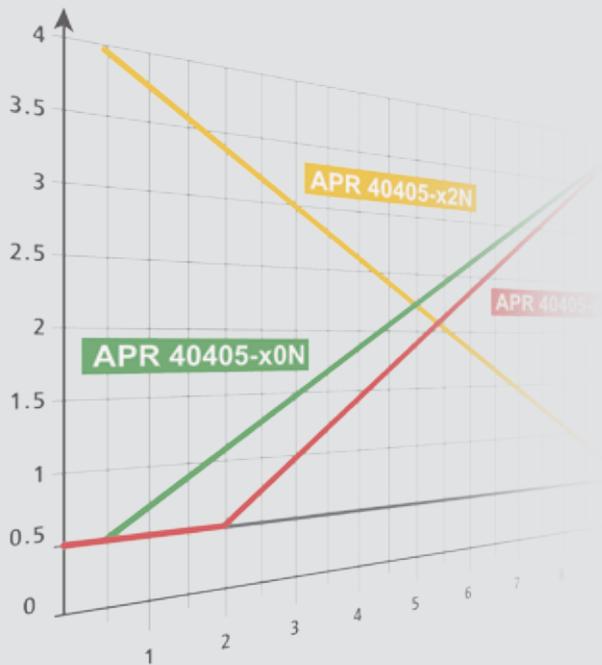
- Can also be used where space is tight
- Width < 37 mm
- Power consumption just 1 watt
- 90 N actuating force
- Very easy assembly thanks to snap-on technology
- Large all-round display
- 3.5 mm stroke
- Overvoltage protection guarantee
- First-open function for easy assembly and commissioning
- Normally closed (NC) in the standard and four-wire versions

Building control system

The Möhlenhoff OEM actuators for more energy efficiency in offices and admin buildings offer high tech even where space is at a premium. They are the foundation for reliable, precise control of almost any valve. Three control voltages can be selected and guarantee outstanding control quality for virtually any scenario.

Storing valve curves in the memory, automatic valve path recognition and perfect monitoring thanks to reverse channel technology are further optional benefits offered. The OEM Actuator 4: 6.5 mm as well as the OEM Motoric Valve Drive also cover applications with longer strokes and actuating forces.

The smart DDC



The actuator for maximum control quality

The range of features such as saving the valve curve, valve path recognition and the feedback channel OEM Actuator 5: DDC guarantee top control quality in building control systems.

Features at a glance



- Control voltage of 0–10 V, 2–10 V and 10–0 V
- NC in 4 mm, 5 mm and 6.5 mm; optionally with dynamic valve path recognition
- NO in 4 mm and 6.5 mm with dynamic valve path recognition
- Dynamic closing point verification
- Valve curve can be stored - perfect valve and actuator interaction
- Valve path recognition with dynamic voltage modification
- Feedback channel for ideal monitoring
- Internal memory for valve data
- Immediate start function



Proportional /
Pulse Proportional /
Feedback channel

The large OEM Actuator 5: 6.5 mm

Features at a glance



- Actuating force up to 125 N
- 6.5 mm stroke
- Large all-round display
- Low power consumption
- Standard, standard with plug



For more actuating force and stroke

The perfect actuator for opening and closing standard valves, line valves, bigger balanced valves and manifold valves

The powerful OEM Motoric Valve Drive

Features at a glance



- Runs very smoothly
- Up to 8.5 mm stroke
- Up to 200 N actuating force
- DDC functions and back-lit LCD optional
- 3-point or proportional



Impressive 200 N actuating force and 8.5 mm stroke

The Motoric Valve Drive is the powerhouse among Möhlenhoff actuators, but at the same time the quietest candidate in its category.

The development of the new OEM Actuator 5 is the culmination of two decades of experience at Möhlenhoff. A near-perfect product is now even better. See for yourself.

1 watt
Maximum performance
45% less energy
360° Installation **economical**
versatile Fits 99%
of all valves
compact

In-depth product support



Range of products and services

Application-focused advice and technical support for our products and systems are some of the range of services for our OEM customers. We also offer comprehensive product information to include in your technical literature and advertising promotions.



Guarantee of quality

Möhlenhoff has recognised testing, inspection and simulation equipment that make our high quality and level of innovation possible. We make certain this top standard of quality is maintained by applying a modern management system and ensuring our team has a strong quality and environmental focus.



Overvoltage protection guarantee

Independent institutes test and certify all Möhlenhoff products. Because of its excellent quality and safety standards, Möhlenhoff guarantees that the OEM actuators are fully protected against standard overvoltage in the electricity supply network.



Der Garant für Funktionssicherheit, Kompatibilität und Freude am Produkt durch innovative Technologie

Innovative technology for reliable, compatible and excellent products

Your OEM partner

Möhlenhoff GmbH has been an established player on the international market for more than 3 decades. The company is a reliable, expert OEM that excels. These factors, combined with innovative ideas and a spirit of fairness in partnerships, have made it a very successful player worldwide for years. As an OEM, Möhlenhoff GmbH supplies products and complete systems for heating, ventilation and air-conditioning systems. As a specialist in control components and systems, the company offers its expertise to manufacturers worldwide. Möhlenhoff GmbH is a global market leader in thermal valve drives.



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