

# Innovative, powerful, reliable.

Möhlenhoff's new motoric valve drive.



## **OEM DRIVE 5**

Motoric valve drive

→ [www.moehlenhoff.de](http://www.moehlenhoff.de)

# The motoric valve drive

## Powerful, robust, reliable

Möhlenhoff has added the “OEM motoric valve drive” to its OEM product range. Therefore, the global market leader now has a motoric drive for applications with small valves where significant actuating force, maximum stroke and precise and independent thermal control are required. This new product includes many of the OEM drive 5 highlights, such as the valve adapter system, the plug-in lead, as well as IP54 for 360° installation angles.

### German-made precision

A perfectly coordinated drive with a robust high-end multiphase motor guarantees particularly smooth operation with maximum high-precision control over the entire service life. On balanced valves, circuit valves or fan coils – the motoric valve drive’s precision excels everywhere where fast independent thermal control is required.

### A variety of types

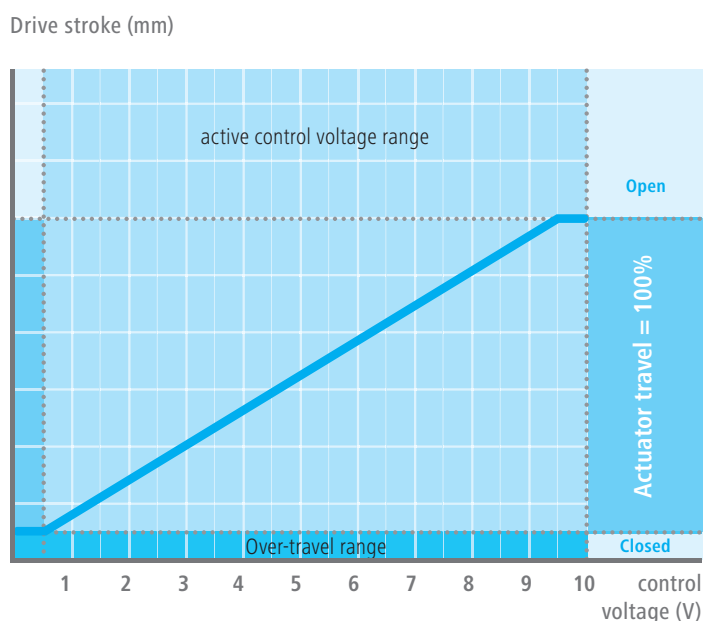
As a 2-point or 3-point drive or with 0–10 V control voltage, the new product design offers the right drive for any application. Parameters such

as the stroke of up to 8.5 mm, the actuating force of up to 200 N and the run time deliver a variety of options configurable in the factory. The result is an even more precise match for the valve type concerned.

### A range of options

Depending on the type of OEM motoric valve drive, various options can adapt the device to customers’ applications. Draw on our experience. Tell us what your requirements are and we’ll show you what’s possible.

## Highlights at a glance



Functional diagram showing MPV 46845

Types	Voltage		3-point	Control voltage 0–10 V	Dynam. closing point recognition	Valve travel recognition	Reverse channel	Display	
	230 V	24 V						LED display	LC display
M3P 27845	✓	–	✓	–	–	–	–	✓	–
M3P 46845	–	✓	✓	–	–	–	–	✓	–
MPR 46845	–	✓	–	✓	✓	–	–	–	✓
MPV 46845	–	✓	–	✓	✓	✓	–	–	✓
MPO 46845	–	✓	–	✓	✓	✓	✓	–	✓

# Motoric valve drive features

## For OEM partners:

- Operating voltage 230 V (AC) and 24 V (AC/DC) for 3-point
- Operating voltage 24 V (AC and DC operation) for DDC types
- Customised valve characteristics (optional)
- Max. stroke 8.5 mm (configurable in the factory)
- Max. actuating force 200 N (configurable in the factory)
- Run time of 15, 30 or 60 s/mm (configurable in the factory)
- Maximum energy efficiency due to full motor control via a micro controller

## For fitters:

- Easy, tool-free, plug-in assembly
- Manual valve adjustment using a hex key

## For end users:

- Very reliable and durable
- Especially smooth operation and no maintenance
- Very low power consumption in standby mode
- Infinitely variable, constant valve positioning
- Load-dependent shut off if overloads occur or if the end stop or closing position are reached
- Control input suitable for 0–10 V and pulse width modulation (PWM) (0–10 V types)
- Disassembly safeguard due to removable locking button
- Self-locking drives (no power required) in all positions
- Very short response times
- LED signal functions (3-point)



### IP54 – hermetically sealed body in any position

IP54 for 360° installation angles provides 100% protection regarding leaking valves.



### Function display

LC with alternating display: drive position, control voltage, status display, optionally back-lit.



### 100% compatibility – 1 adapter, 1 connecting lead

Plug-in lead and tried-and-tested valve adapter system for thermal actuators, adaptable for 99 per cent of all valves on the market. Can therefore be easily integrated into existing systems.



### Especially quiet operation

The maintenance-free OEM motoric valve drive operates extremely quietly.

# In-depth product support



## Range of services

Application-driven and technical support for our products and systems is part of the services we deliver to our OEM customers. We also offer in-depth product information to assist in providing customised technical literature and advertising materials.



## Quality guarantee

Möhlenhoff has recognised testing, inspection and simulation facilities to enable our high standard of quality and innovation. We underpin this high standard by providing a modern management system. We also ensure our staff are quality-driven and have a strong environmental awareness.



## Guaranteed protection from overvoltage

All Möhlenhoff products are tested and certified by independent institutes. Due to its excellent quality and safety standards, Möhlenhoff guarantees that the OEM drives are protected from customary surges in the power supply.



Innovative technology for reliable, compatible and excellent products

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## Your OEM partner

Möhlenhoff has been a well-known name on the international market for more than 30 years. Reliability, expertise, top OEM quality, innovative ideas and a principle of fairness vis à vis our customers have made the company very successful the world over for years. As an OEM Möhlenhoff GmbH supplies products and turn-key systems for heating, ventilation and air-conditioning equipment. As a specialist for control components and systems, the company offers its expertise to machinery and equipment producers all over the world. Möhlenhoff GmbH is a global market leader of thermal valve actuators.



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