**New generation of the VO series**

**Memmert vacuum oven scores with energy efficiency**

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*In combination with the speed-controlled vacuum pump, the new VO series of Memmert vacuum ovens is extremely energy-efficient. From the time of introduction on the occasion of the Achema 2018, all devices will also be available with TwinDISPLAY comfort equipment as standard.*

**Vacuum drying today: fast, comfortable, efficient**

The user sets the temperature and pressure on the clear ControlCOCKPIT touchscreen control unit. At the same time, all status messages as well as time and alarm messages are displayed at a glance. Like all Memmert devices with TwinDISPLAY convenience features, the new vacuum ovens communicate via modern interfaces and can be programmed using the modern AtmoCONTROL control and logging software. Memmert has deliberately transferred the possibility of programming digitally controlled vacuum cycles in which the interior is vented at short intervals in order to shorten the drying time to the new series. The Multi-Level-Sensing & Heating concept, in which the chamber load is heated on thermoshelves, each with its own large surface heating and sensors, was also retained. The separate control circuits react sensitively to different loads or humidity, maintain the set temperature evenly and ensure short heating and processing times.

**Speed-controlled vacuum pump saves around 70% energy**

The chemical-resistant Memmert vacuum pump, which is matched to the VO vacuum oven, regulates the setpoint with high precision. The energy-efficient, demand-oriented speed control ensures a considerable reduction in operating costs and a significantly longer service life of the diaphragms, especially for devices that are in continuous industrial operation. Measurements in ramp operation showed energy savings of around 70 % compared to uncontrolled vacuum pumps. Even higher savings are possible with a constant vacuum value.

(Illustration: Memmert vacuum oven VO)

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