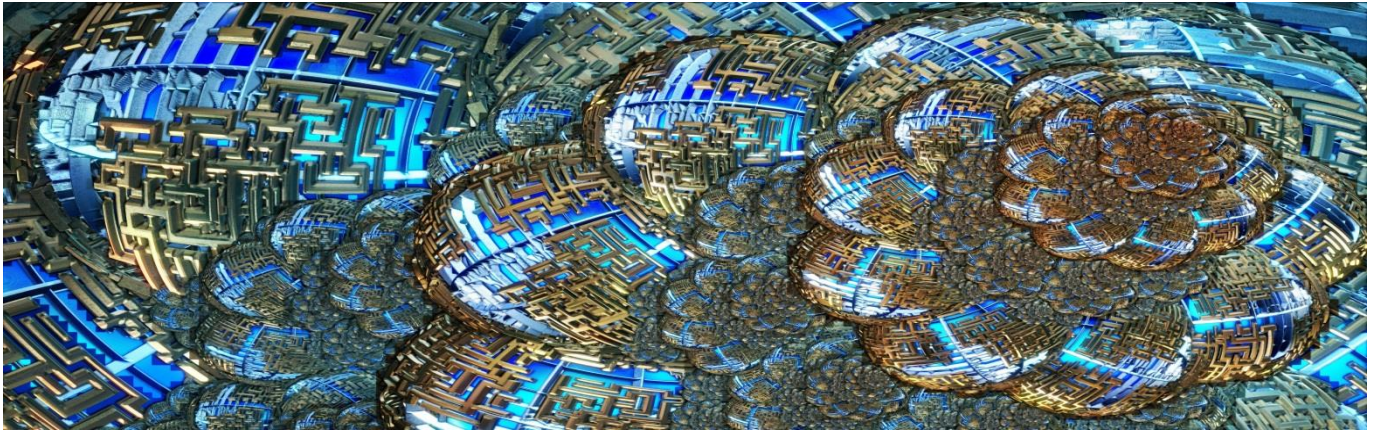




# Product Data Sheet

## Manual Gas Dosing System for the Kesternich Test – DosiCORR® MD



### Order Information

#### Examples of test chambers with DosiCORR® MD:

##### CON 300-FL AIR CWC KES

Article number: V.702.361.001 + accessory V.851.110.075

##### CON 400-FL AIR CWC KES

Article number: V.701.361.001 + accessory V.851.110.075

##### CON 1000-FL AIR CWC AWRP KES

Article number: V.705.562.021 + accessory V.851.110.075

##### CCT 400-FL-I KES

Article number: V.731.362.121 + accessory V.851.110.075

##### CCT 1000-FL-I KES

Article number: V. 735.362.121 + accessory V.851.110.075

These are only a few examples of test chambers being fitted with the manual gas dosing unit DosiCORR® MD for the Kesternich test. Many more combinations are possible. Please contact us for additional information.

### Sales & Support:

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Monday to Friday  
8:00 am – 17:00 pm

VLM GmbH

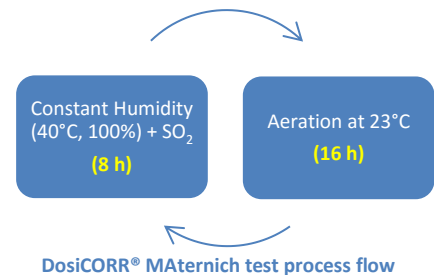
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Specification subject to changes  
Pictures might differ from original

### Applicable Test Standards

- EN ISO 6988
- DIN 50018
- ASTM G87



DosiCORR® MAternich test process flow

### Product Description

Manual gas dosing system for the Kesternich test (DosiCORR® MD) in SO<sub>2</sub> environment can be fitted to virtually any VLM test chamber (except for the SAL range) and regardless of the controller used. However for the cost-effective reasons only the smaller test chambers belonging to the VLM low-range (CON, CON-SAL and CCT) featuring JUMO dTRON and Jumo Imago controller are normally equipped with this option. This flexibility is possible due to the fact that the DosiCORR® MD system operates completely independent from the process controller built into the test chamber.

The operation of the DosiCORR® MD gas dosing unit is quite simple. At the beginning of the Condensation test the specified volume of SO<sub>2</sub> is injected from the bottle into the lower part of the glass cylinder. Under the weight of the Paraffin oil in the upper part of the cylinder the gas is displaced into the test chamber.

### Customer Benefits

- Cost effective way of conducting the Kesternich test
- High flexibility in choosing the basic type of the test chamber – the DosiCORR® MD system operates in combination with (almost) all chamber types and all process controllers
- User friendly operation
- Modular design of VLM test chambers allows easy adding of the DOSICORR® MD option long after the chamber has been commissioned



Front and side view of the glass cylinder for the manual gas dosing unit DosiCORR® MD

## Manual Gas Dosing System for the Kesternich Test – DosiCORR® MD



DosiCORR® MD accessories



SO<sub>2</sub> gas inlet

### Safety

SO<sub>2</sub> is a poisonous gas and for this reason is the safety of the operating personnel of upmost importance. It is for this reason recommended that:

- tests are conducted in a good ventilated room
- the bottles with SO<sub>2</sub> should be kept in closed containers made of special, fire-resistant material specially designed for this purpose (VLM can provide this item)

### Process Control

- The standard Kesternich test consists of two phases within one day cycle from which one features the introduction of the gas (SO<sub>2</sub>).
- The standard gas dosing volume for the Kesternich test is 2 L per test cycle (one test cycle lasts 24 h).

### Notes: