

Your additional equipment.

EXTERIOR



SO₂ gas-dosing device, fully automatic for EN ISO 6988 (DIN 50 018) including hood lock with key switch (only possible with VDA test kit SC/KWT 500 and SC/KWT 1000)

**Not available for UKWT
Not available with option "access port"**

Danger!

64864943

The offered SO₂ gas-dosing device is subject to high safety requirements. SO₂ is a poisonous gas that can cause damage to health and even death. For operation, the requirements of the safety data sheet must be complied with. Operation of this option is only allowed by trained personnel and if local safety regulations are met.

To carry out the test according to EN ISO 6988 (DIN 50 018), water is filled into the test space fully automatically at the beginning of the test, the required amount of sulphur dioxide is automatically introduced into the test space. Then the floor heating is switched on and the test chamber is heated up to the set temperature. This test section takes eight hours. During the complete test, the exhaust air opening must not be closed! After the 8-hour condensed water test, the heating is automatically switched off and the salt spray chamber is also automatically emptied and ventilated (the customer must ensure that the laboratory temperatures and humidities required by EN ISO 6988 (DIN 50 018) are maintained). The ventilation phase takes 16 hours. This 24-hour cycle is then repeated again. The SO₂ gas is supplied to the test chamber via a preset time function with a gas dosing pump. After passing through the preset gas quantity, the flow of the SO₂ gas is stopped. With the built-in **SIMPAC®** control system, it is also possible to preselect EN ISO 6988 (DIN 50 018) and run it automatically.

Please note!

- Commissioning and maintenance of this option will not be carried out by Weiss Umwelttechnik's personnel and must therefore be carried out by the customer according to the operating instructions. Therefore, no liability can be accepted for professional and safe installation, commissioning and maintenance.
- The SO₂ supply (cylinder, pressure reducer valve (max. 50 mbar), flexible connecting hose) must be provided by the customer. Draining and disposal of the exhaust air caused by the test unit is also to be provided by the customer.
- The installation room must be sufficiently ventilated and to be provided with an SO₂ warning device, if necessary. The necessary measures must be compatible with the relevant local safety regulations for SO₂ atmosphere.
- The dosing is done by a reciprocating pump. The on-site SO₂ supply is released by a SO₂ solenoid valve. The dosing of SO₂ can only be made if the test chamber hood is closed and secured by means of a hood lock (normally closed) with key switch. The level of the gutter seal is monitored by a level sensor. In the event of a lack of water, demineralized water is fed into the gutter via a solenoid valve. The test chamber hood can only be opened if the test chamber has previously

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been purged with compressed air. The compressed air supply is monitored by a pressure switch. The inflow of compressed air into the test room is monitored separately. The safety functions are monitored and controlled via a safety-related multifunction control (PNOZ).