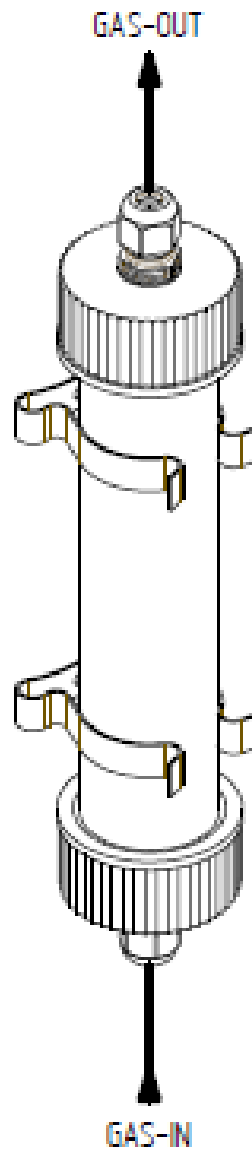




Manual

JABS-300

SO₃, HF, HCl and H₂S Absorber



The operating instructions give instructions for handling the product. Prerequisite for safe work is the compliance with all specified safety instructions and handling instructions. The product may only be used in the manufacturer's described manner used, operated and maintained. In addition, the proper and safe operation of the product proper transport and storage ahead.

The product must only be used by technically qualified personnel who are specially trained or possesses relevant knowledge in the field of gas analysis technology.

The knowledge and the technically correct implementation of the instructions contained in this manual. Safety instructions and warnings are a prerequisite for safe installation, commissioning and maintenance as well as for operation and maintenance of the product. Only appropriately qualified personnel have the required technical knowledge to comply with the safety instructions and warnings given in this operating manual to understand and interpret concrete individual cases and implement them in practice.

The local accident prevention regulations that apply to the use of the product, general safety regulations, operational safety regulations and hazardous substances regulations must be observed.

The operating instructions are part of the product and must always be in the immediate vicinity of the product at all times be kept accessible.

The operating personnel must read and understand the operating instructions carefully before starting work.

The liability of the manufacturer is void in case of damage due to improper use, failure to comply with this operating instructions, use of insufficiently qualified personnel and unauthorized modifications to the product.

ASSEMBLY

Safety

- Before installing, commissioning and operating the product, make sure that the correct product is available execution and specification was selected.
- The safety and stability of coming into contact with measured gas materials must be checked.
- The operating personnel must, on the basis of their professional training, their knowledge of measuring and control technology, in process analysis technology and its knowledge of country-specific regulations, applicable standards and guidelines to be able to perform the work described and to independently handle any hazards recognize.
- A leakage test must be carried out before commissioning the product (see point leakage test).
- The installation of the product and all maintenance and servicing work on the product may only be carried out in a pressure less condition.
- In the case of dangerous (flammable/toxic) measuring gases, the relevant national, international and specific safety regulations.
- The stated maintenance intervals of the individual spare parts are for the function and safety of the products must be adhered to.
- Replace damaged parts.
- Include metallic products in the equipotential bonding. Static charges should be avoided.
- Direct sunlight, proximity to hot objects, mechanical vibration, mechanical shock, soot, steam, dust, moisture, corrosive gases, explosive environment and flammable atmosphere may endanger the functionality and safety of the product.

Note

Failure to observe the information and instructions contained in this operating manual can result in severe personal injury and / or property damage.

ASSEMBLY

Installation of the absorber between the flow meter and the condensate separator in front of the analyser. The absorber JABS-300 must be assembled vertically. A horizontal position would guide away the gases to be absorbed, in the most unfavourable case, over the sacrificial materials without any reaction. Two spring steel clips are included for wall mounting. The gas connections are marked GAS-IN and GAS-OUT.



Note

- Cooling air supply must be guaranteed.
Minimum distances to the next component 80 mm.
- Heat sources in the environment should be avoided, these lead to a reduction in performance.
- Pay attention to a vibration-free, vibration-free environment.
- Direct sunlight should be avoided
(option: sunshield)

OPERATION

Before startup, make sure that

- the device has been installed correctly.
- the port was running properly.
- the device is not damaged.
- there are no foreign particle in the device.
- the connections are made properly
- all screws and nuts are tightened.
- the cable entries and, if necessary, sealing plugs are firmly tightened.

SERVICE I MAINTENANCE

Safety

- Take appropriate measures to service the product.
- Depressurise system, inertize system, dispose condensate properly.
- Clean the products only with a clean, damp cloth. Use water or mild, non-abrasive, non-scratching detergent. Never use aggressive cleaning agents or solvents.
- Replacement of spare parts according to table spare parts/maintenance intervals.



Note

Aggressive condensate possible! Protective gloves, mask and goggles are mandatory to avoid personal injury and / or property damage. Likewise, the relevant accident prevention regulations must be observed.

Maintenance

We recommend changing the filling materials at least every 6 months or as required.

There is an oxidation-related color change up to composition corrosion.

The glass should be monitored and cleaned in a suitable cycle.

Loosen the union nut, press out the analysis wool and filling materials with a suitable tool, check, clean or replace the glass body.

Fill in new filling material. Fill the bed loosely into the absorber.

The analysis wool prevents the gas outlet and gas inlet from becoming blocked.

The filling sequence of the materials as shown in the picture:
The order must be observed for the function!



For the thread use
 ceramic antiseize paste
Caution
 Do NOT use oil lubricants!

Note

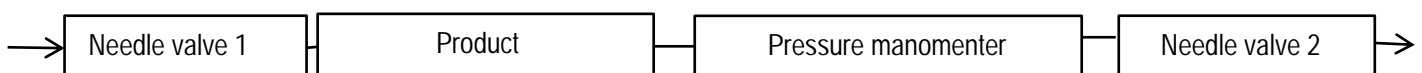
Sample gases can contain dangerous (flammable/
 toxic) components. The relevant relevant safety
 regulations must be observed.

Safety

Do a leakage test

- before using the product
- every four weeks during the operation
- in each case after maintenance.

To do this, relieve the product of pressure and make it inert.



Procedure

- Close needle valve 2.
- Connect inert gas (f.ex. N₂) with max. 0.5 bar pressure at the needle valve 1.
- Open needle valve 1 slowly.
- Observe the pressure gauge up to a constant pressure is displayed.
- Close needle valve 1.
- Note the value on the pressure gauge. After 30 minutes, the pressure may not have been changed.
- The test is in writing and pictorially documented.
- Store the test results.

Spare parts/service interval

For the individual components, we recommend the specified maintenance intervals or replace them if necessary.

Note

Storage by customer is recommended.

Item	Item number	Exchange after x months or as required
JABS-300 SO ₃ , HF, HCl and H ₂ S Aborber	36.00060	6

TRANSPORT | PACKAGING | STORAGE

Check the product for any damage that may have been caused by transport. Obvious damage must be reported immediately to manufacturer.

Storage temperature: 0°- +40°C

Direct sunlight, proximity to hot objects, mechanical vibration, mechanical shock, soot, steam, dust, moisture, corrosive gases, explosive environment and flammable atmosphere endanger the functionality and safety of the product.

Recommended storage time max. 5 years