

Replacement of Sample Gas Pump SGP5-DC

in the BMT 964 OG & BMT 965 OG

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The Sample Gas Pump SGP5-DC as used in the Off-Gas analysers BMT 964 OG and BMT 965 OG are mounted on an L-shaped aluminium holder, which in turn is mounted to a base plate holding all parts of the analyser. Before working on the analyser, make sure it is switched off, and there is no pressure or ozone present in the gas path.

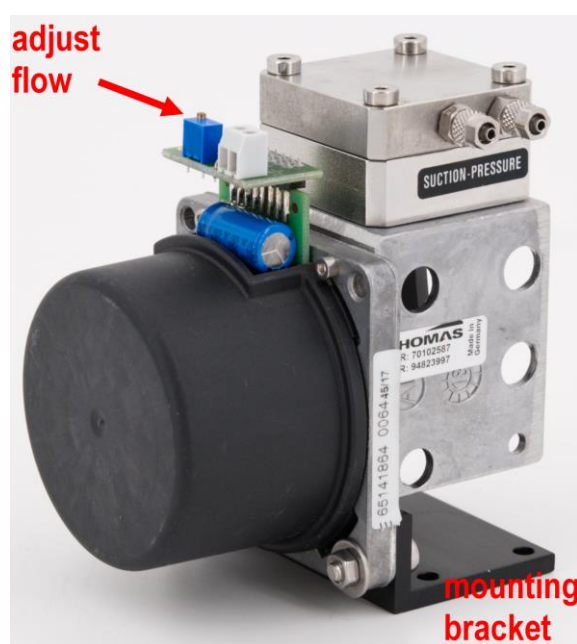


Fig. 1: A: SGP5-DC for BMT 964 OG / BMT 965 OG

Unmounting old pump:

- detach both tubings from the ports labelled "SUCTION" and "PRESSURE"
- disconnect electrical wires: take notes on the polarisation (red/black wire)
- loosen the screws holding the mounting bracket to the main base plate of the analyser
- take out the pump

Mounting new pump:

- check both tubing ends to be free of damage – eventually cut of 1-2 mm for a proper connection
- mount new pump to the base plate of the analyser
- re-connect the wires, watch correct polarisation (red to '+')
- attach tubings: **make sure to work in a dust-free environment!**
 - tubing from the big black cylinder connects to "SUCTION"
 - tubing to the outlet fitting of the analyser connects to "PRESSURE"

Adjustment of Flow Rate:

Check your installation to be free of leakages. Before connecting the analyser to your installation (ozone ports), switch on the analyser and adjust the blue potentiometer (red arrow) while watching the flow meter in the front door, so that there is a flow rate of approx.. 0.5 l/min.

In case any problems occur, do not hesitate to contact us:

BMT Messtechnik GmbH, Hamburger Str. 19, D-14532 Stahnsdorf
 Tel.: +49-3329-696 77-0, Fax: +49-3329-696 77-29
 service@bmt-berlin.de

Klaus Tiedemann,
 Service BMT