

SGF 50 G Filter Upgrade Kit

Replacement of Sample Gas Filter on BMT 964C and BMT 964OG
Rev. 1.2 - 19. July 2013

The SGF 50 G ("G" like GOLD) is designed to use a 50mm porous PTFE filter insert at the inlet of the BMT 964C and BMT 964OG for better retention of particles and dirt. The "gold" PTFE filter insert is to replace the standard filter insert made of pure glas fibre.

Note: The grey coloured filter holder shall not be filled with the PTFE filter inserts (thickness 1mm)! This could damage the filter insert.

This ServiceNote describes the replacement of the standard filter holder by its PTFE version. If the removable shell of the filter holder on the analyser is gold-coloured, the replacement has already taken place.

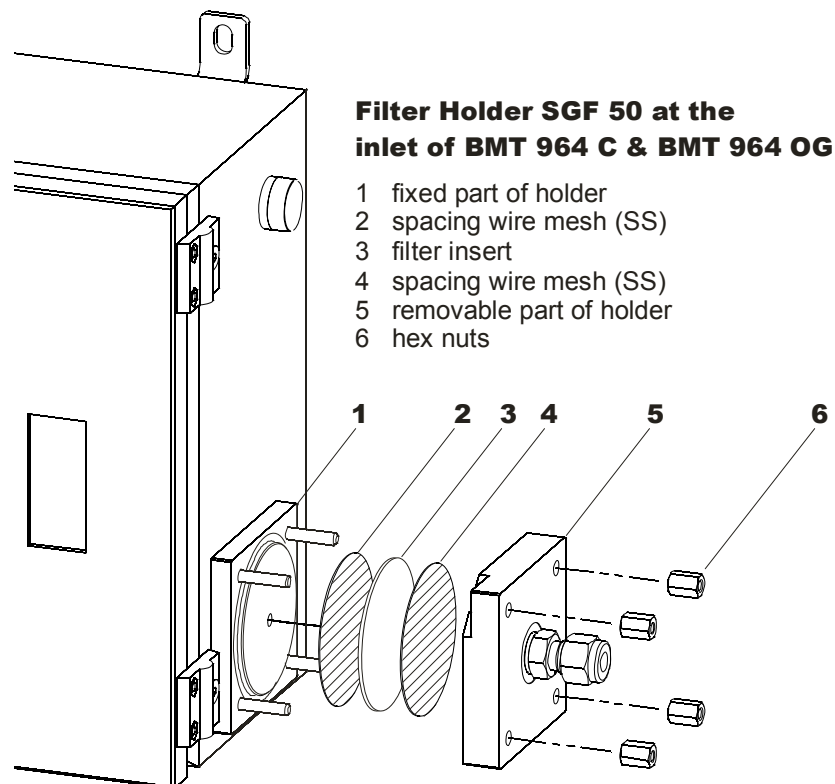


Fig. 1: Filter holder and filter insert (shown on BMT 964C)

Kit contents

The kit comes with all parts of the sample gas filter shown in the graphics above, except for the fixed shell of the filter holder (grey), which remains on the analyser. It also contains a set of five additional "gold" filter inserts for future usage. The white filter inserts of porous PTFE and the two wire meshes are packed into a separate plastic bag. The hex nuts are to replace any knurled nuts found on older analysers.

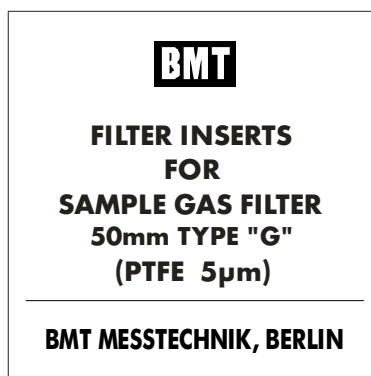
The kit must be ordered specifying the type and size of the fitting, as this is part of the kit.

Removal of old filter holder (grey-coloured)

- there is no need to switch off the analyser
- make sure the sample gas line is at ambient pressure and free of ozone!
- disconnect the sample gas line
- use the tool delivered with the analyser to loosen the four hex nuts (6) holding the removable shell (5)
- remove the outer shell of the filter holder (5) together with wire mesh (2) and (4) and filter insert (3)

Mounting the new filter holder (gold-coloured)

- clean the fixed shell of the filter holder (1) and its O-ring thoroughly in order to allow for proper sealing
- place one of the PTFE filter inserts (3) between the two wire meshes (2) and (4) and push this sandwich into the new removable shell of the filter holder (5) coming with the kit
- position the completed filter holder shell into place on the analyser - again, avoid any dust or dirt
- mount the hex nuts and tighten them - do not use the knurled nuts of older analysers
- re-connect your sample gas line
- take the five additional filter inserts and use them to replace the glas fibre inserts found in a box inside the cabinet
- use the yellow piece of paper to replace the description in the cover of the filter inserts box:



If case of any problems do not hesitate to contact us:

BMT Messtechnik GmbH, Güterfelder Damm 87-91, D-14532 Stahnsdorf

Tel.: +49-3329-696 77-0, Fax: +49-3329-696 77-29

service@bmt-berlin.de

Klaus Tiedemann,

Service BMT