

Refilling BMT Catalyzing Cartridges

The RS and 35 catalyzing cartridges (CAT-RS or CAT-35) contain CARULITE® 200 material which should be replaced periodically or in case it has been poisoned or destroyed by some substance which could have been inadvertently contained in the ozone sample gas. Such substances are numerous and includes fluid water.

To replace the catalyst material, pull the outlet lid from the cartridge by removing the two SS retaining screws using a 2mm Allen wrench (included in accessory kit). To assist with pulling the outlet lid from the cartridge, the removal tool (included in accessory kit) can be threaded in the outlet lid fitting hole.

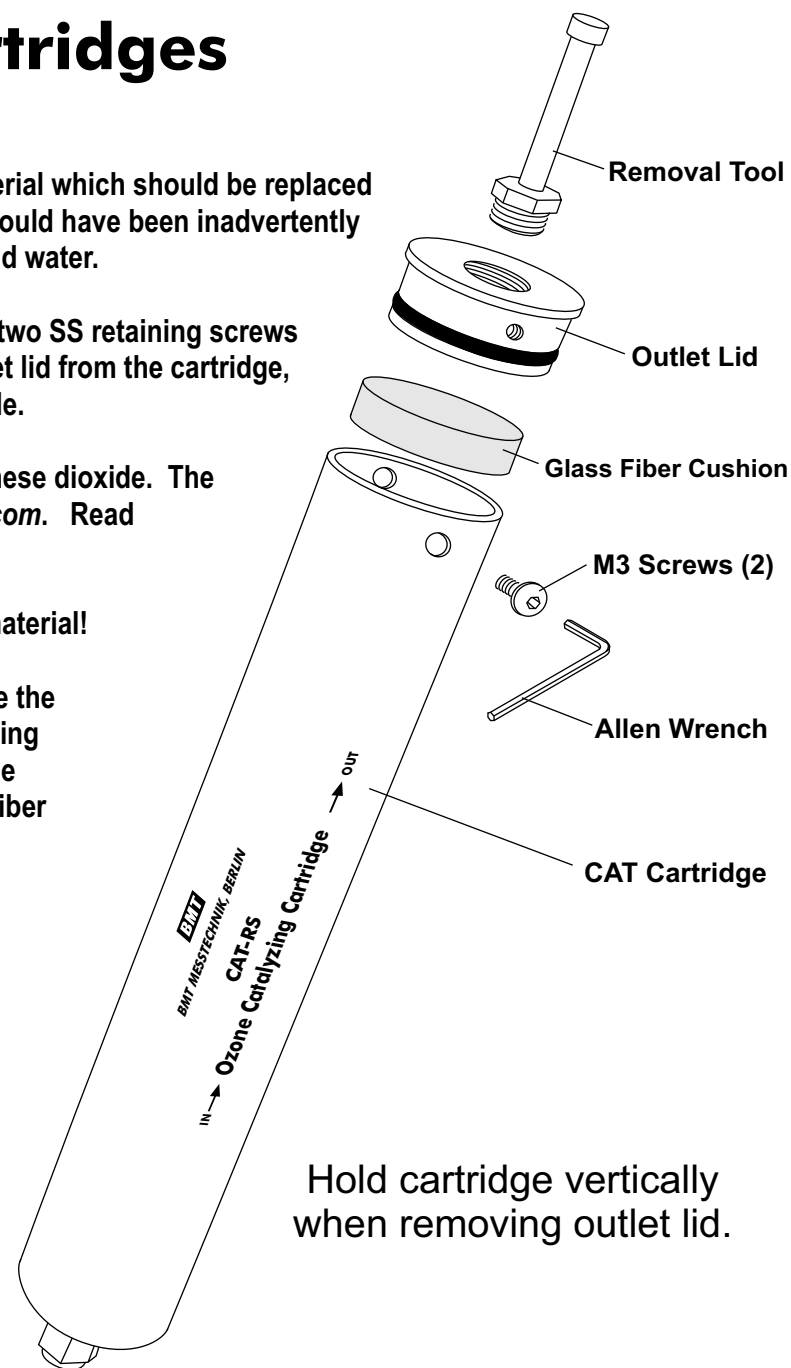
CAUTION: The CARULITE® 200 material contains heavy metal oxides, namely manganese dioxide. The Material Data Sheet (MSDS) is available from the Carus Corp. website: www.carusllc.com. Read the CARULITE 200 MSDS before handling!!

CAUTION: Hold CAT cartridge vertically with outlet end up to avoid spilling catalyst material!

Underneath the lid is a glass fiber felt cushion covering the catalyst material. Remove the cushion and pour out the catalyst granules. If you find the catalyst granules are sticking together (e.g after in-rush of water, or other fluids) use appropriate tool to break-up the catalyst material to remove it. With the catalyst material removed, confirm the glass fiber cushion at the inlet end of the CAT cartridge (deep inside the tube) is intact. Replace cushion if needed.

Now fill the CAT cartridge with new catalyst material package (REFILL-RS, or -35) available from OSTI. Each REFILL package contains the amount of catalyst material needed for the CAT-RS or CAT-35 and fill to 19mm below the rim of the CAT cartridge to allow enough room for the glass fiber cushion and outlet lid.

After filling the cartridge with the correct amount of catalyst material, put the glass fiber cushion back in place. Then replace the outlet lid making sure to align the threaded holes in the outlet lid with the corresponding holes in the cartridge and secure with the M3 screws using the Allen wrench.



Hold cartridge vertically when removing outlet lid.