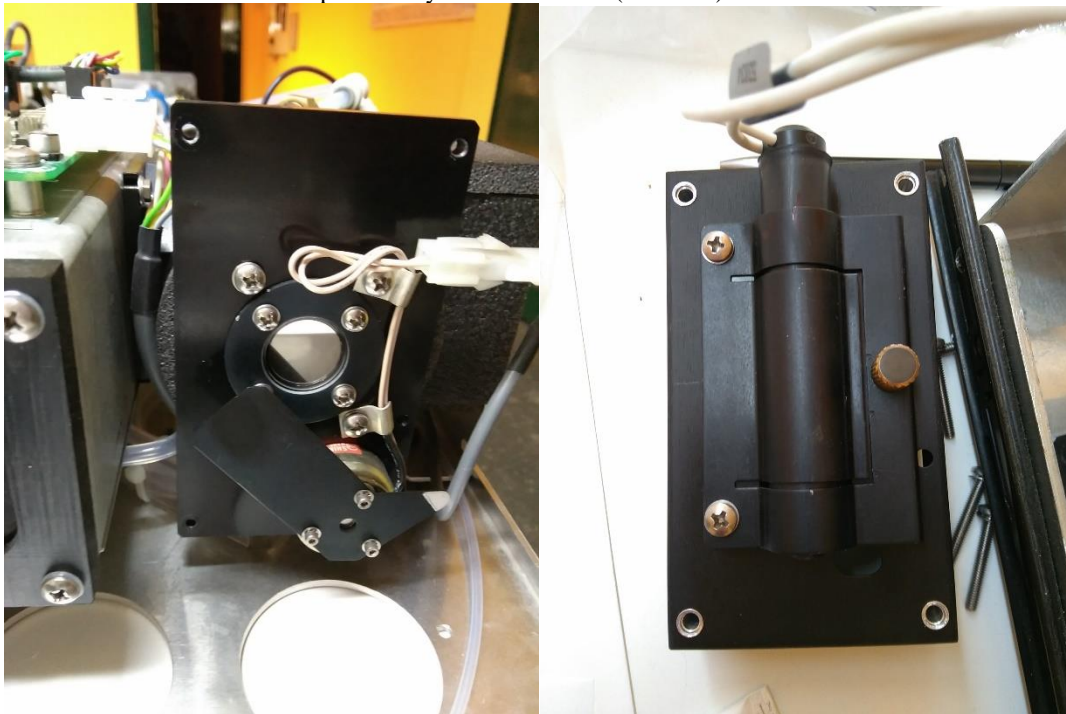


## SO2 module (A) – Cleaning the reaction cell

If the dark value of the PMT and/or the reference detector is too high, it may be that the reaction cell is dirty. To clean the reaction cell, only lint-free cloth and distilled water should be used.

- 1- Tools you will need:
  - 1 small screwdriver
  - 1 small wrench
- 2- Shut down the airpointer, pull out the power cord, disconnect the SO2 module and remove it from the airpointer.
- 3- Remove the UV lamp assembly from the bench (4 screws)



- 4- Remove the reference detector from the reaction cell (2 screws) and the UV filter and UV lens assembly (4 screws)



- 5- Remove the electrical cables (2 wires: heater and thermistor) and tubing (2 tubes: 1 gas inlet and 1 gas outlet) linking the bench to the SO<sub>2</sub> module

- 6- Unscrew the reaction cell from the PMT lens assembly and PMT housing (4 screws)



NB: From this point, you should wear gloves to avoid leaving fingerprints inside the reaction cell

- 7- Clean the inner walls of the reaction cell with a lint-free cloth and distilled water if necessary. Make sure it is completely dry before rebuilding the reaction cell

- 8- Rebuild the reaction cell in the order reversed from explained above