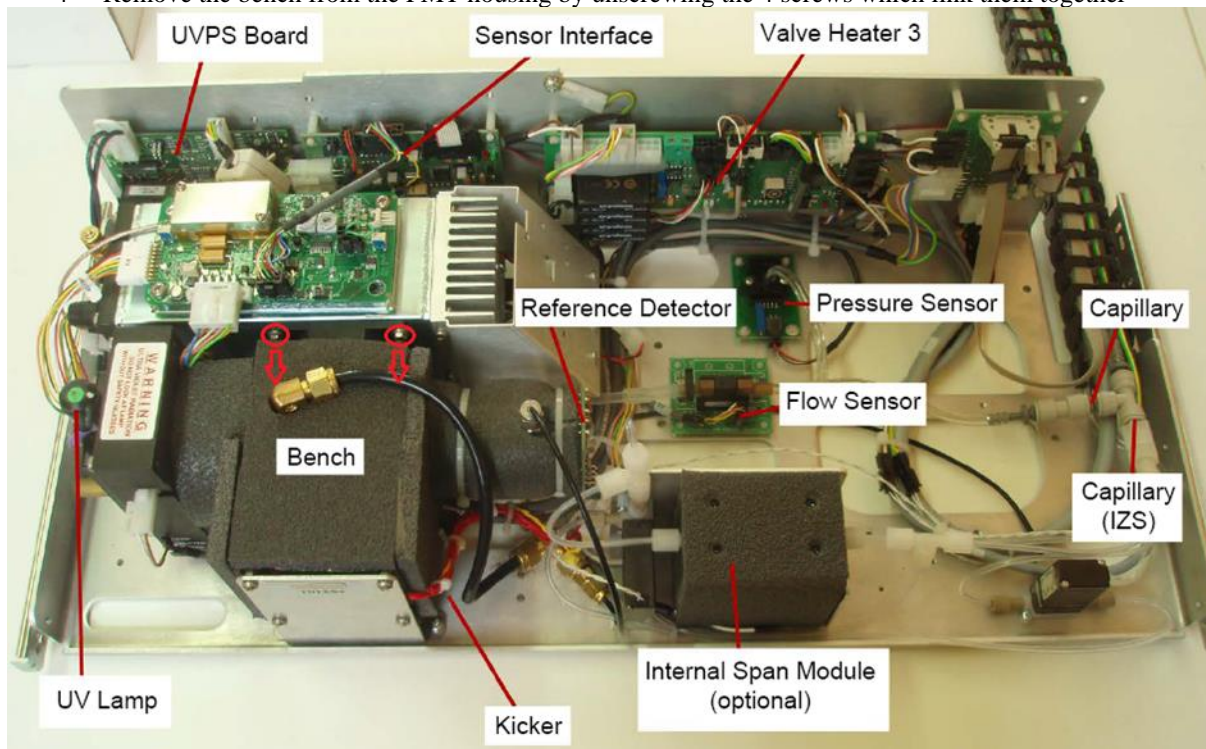


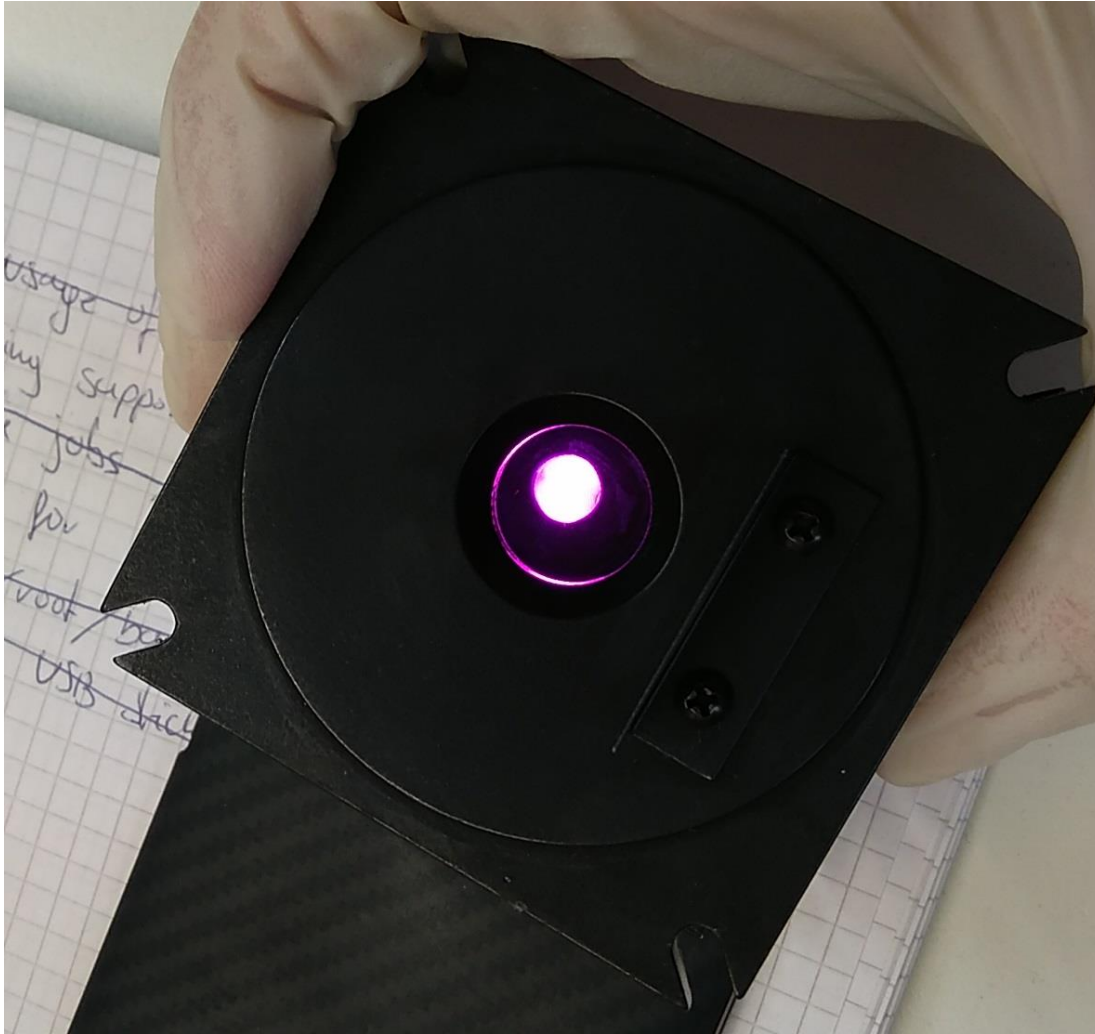
SO2 module (A) – Checking the PMT UV filter

If the dark value of the PMT and/or the reference detector is too high, it may be that the PMT UV filter is defective.

- 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- Disconnect the 2 pneumatic connections (inlet and outlet) and the 5 electrical connections (lamp, shutter, reference detector, heater, temperature sensor) from the bench
- 4- Remove the bench from the PMT housing by unscrewing the 4 screws which link them together



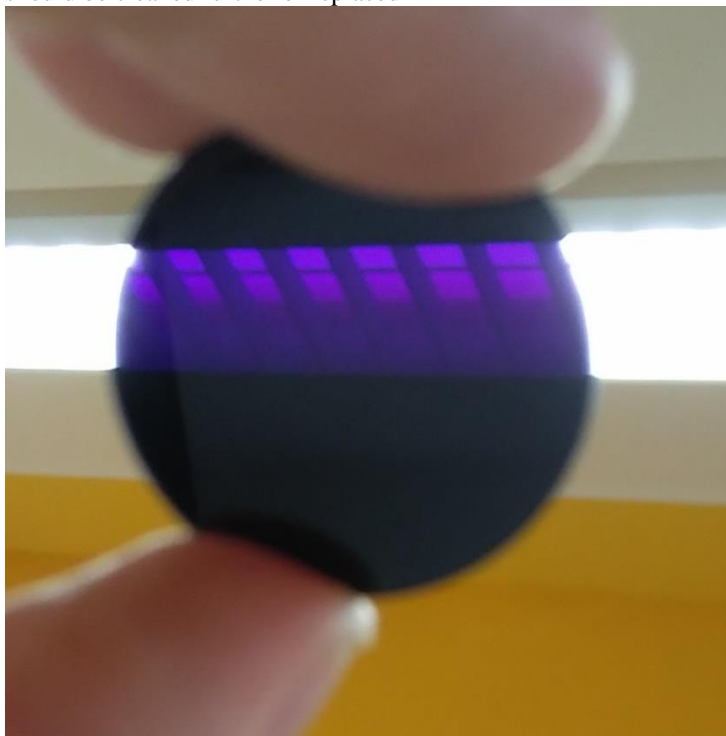
- 5- Remove the PMT filter assembly from the bench by removing the 4 screws which link them together
- 6- Put the PMT filter assembly over a flashlight. You should see clearly a purple light passing through



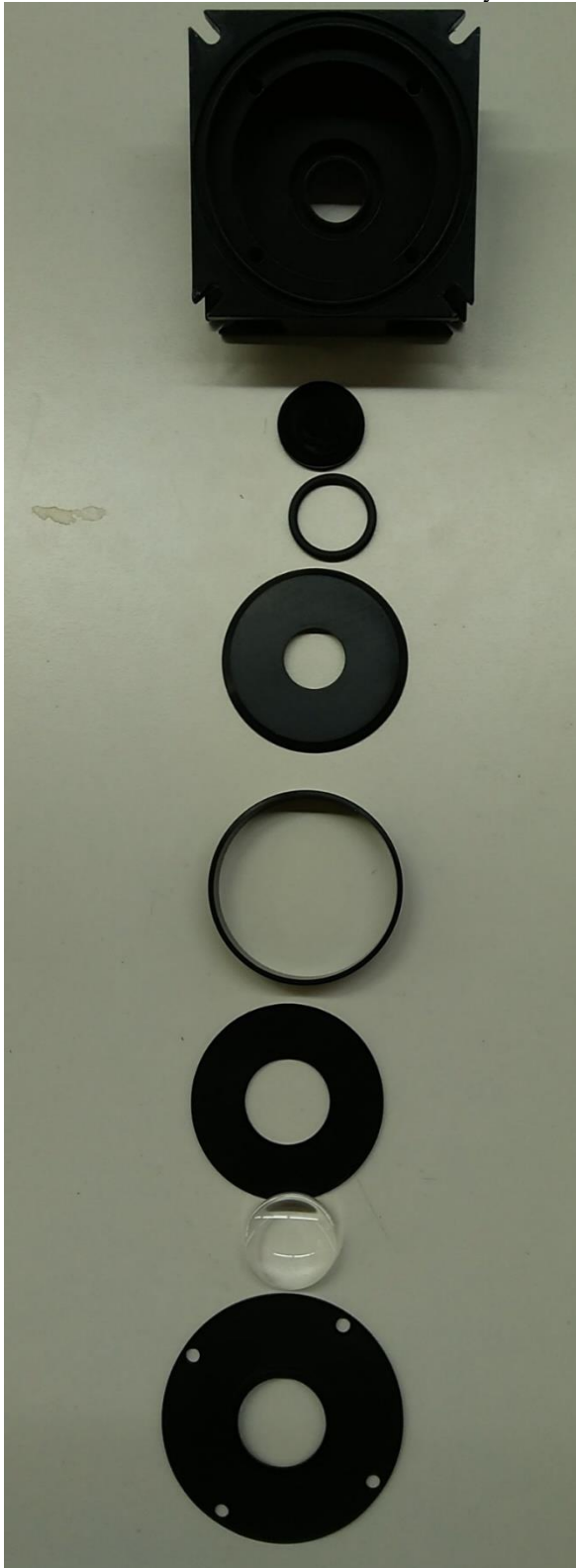
- 7- If you don't see a clear purple light, disassemble the PMT filter assembly to isolate the PMT filter, clean it with deionized water and a cotton bud, dry it with a non-abrasive cloth



Put the PMT filter over a flashlight. You should see clearly a purple light passing through. If not, the PMT filter should be cleaned further or replaced



8- Re-assemble the PMT filter assembly



9- Rebuild the bench inside the module, reconnect the electric and pneumatic connection, and reinstall the module in the Airpointer