

General

- Please use the tanks until they are nearly empty.
- Do not refill tanks at the instrument but switch to a freshly autoclaved tank instead to prevent any biofilm build up in the tank over time.
- A tank can be exchanged while running the sorter. Simply pause your experiment, switch off the stream, exchange the tank connect a new tank and switch the stream back on. However, it is likely that you will need to update the drop delay value!

Note: The sensor and its attached cable cannot be autoclaved!



I. Assemble full spare tank

- Find screw wrench and Teflon tape in drawer below the sink.
- Take level sensor out of the EtOH measuring cylinder and wrap screw thread of sensor with ca 2-3 layers of Teflon tape.
- Inserting sensor into spare tank with autoclaved PBS (mind sterile conditions when inserting the sensor) and gently tighten it with the screw wrench on the **lowest nut** of the sensor to secure it.



II. Exchange tanks at the sorter

- Disconnect empty tank (air, sheath filter **and** sensor cable) and attach the full autoclaved tank to the sorter.
- Spray the sheath connector with 70% EtOH before connecting the new tank!
- Make sure the pressurized tank does not leak after attaching air supply (otherwise tighten screw of the level sensor or tighten lid).
- Start the stream, switch sweet spot back on, check the position of Drop1 and gap and continue with your experiment.

III. Procedure for the empty tank

- Depressurize the empty sheath tank (carefully pull at the ring)
- Unmount the sheath level sensor (left turn loosen, on **lower nut**) from the used tank
- Store sensor in measuring cylinder with 70% ethanol.
- Keep the empty tank clearly visible for the staff either next to the sink or the work bench. We will refill and autoclave the tank!

