

20.2 Optical System: Disassembling, Cleaning

To internally clean the cuvette and the cuvette windows the cuvette tube (the long bar of the Tee) has to be removed from the cuvette assembly. First disconnect the clear FEP tubing from the SS one-touch fitting (elbow) by pushing the ring and, at the same time, pulling out the FEP tubing. Then pull the black Viton tubing off of the grey plastic nipple (other end of the long bar of the Tee). Remove both screws using the Allen wrench clipped to the cuvette tube. Now the cuvette tube can be lifted and removed. The end caps can be removed from the cuvette tube after removal of the two screws inside of each cap.

Attention: Do not mix up the caps! The depth of the caps is different: The shorter cap belongs to the SS one-touch fitting (elbow) and the longer cap belongs to the grey plastic nipple.

Now you can clean the quartz cuvette windows using a lint-free tissue (e.g. Kimwipes "R") and alcohol. The PTFE inner surface of the cuvette tube has to be cleaned using a lint-free tissue, wetted with alcohol, which shall be pushed through the tube several times. Before re-assembly wait thirty minutes for evaporation of alcohol residues.

For re-assembly go through the above steps in reverse order.

