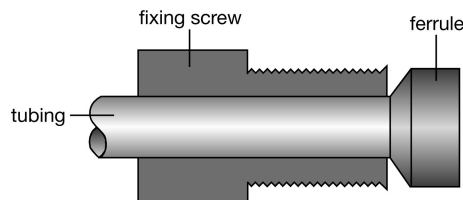


## 3. ASSEMBLY OF Essential Life Solutions Ltd. MPLC-FITTINGS



*These assembly instructions are for tubing with an outer diameter of 1.6mm or 3.2 mm.*

1. *The end of the tubing is cut square with a knife or a tubing cutter.*



**PLEASE NOTE:** Do not cut with scissors, as the tubing will be squashed. It is important to cut the tubing at 90°, as the cut edge forms part of the sealing area.

2. *The fixing screw is pushed onto the tubing.*
3. *The ferrule is pushed onto the tubing with the conical end towards the fixing screw. If the tubing cannot be inserted into the ferrule, the conical end can be widened slightly with a suitable instrument (e.g. a scriber).*
4. *The fitting can now be inserted into the desired position. The screws should be tightened until the pressure can be felt, after which they should be tightened by another half turn.*



**PLEASE NOTE:** When the fittings are screwed into the Teflon thread, care should be taken to screw them in straight and fasten them carefully, to avoid damaging the Teflon thread.

## 4. ELIMINATION OF DEAD VOLUME

*Dead volume which occurs at the column inlet can be remedied simply without needing to open the column:*

1. *Turn off the pump.*
2. *Turn the column lock anticlockwise.*



**PLEASE NOTE:** The piston should only touch the surface of the stationary phase. If it is pressed into the stationary phase, the packing may be destroyed.