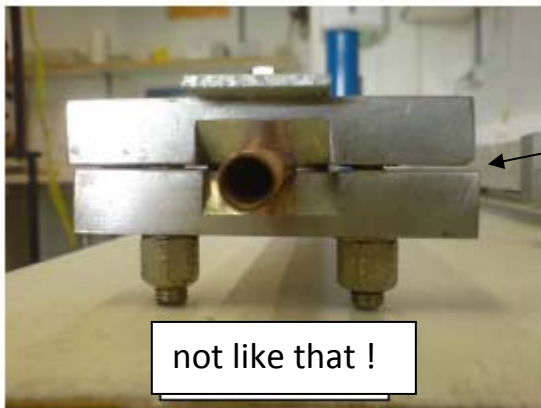


Sampling of inert gas ($^3\text{He}/^4\text{He}$ and other)

For each sample 2 copper tubes

1. Flexible pipe must be connected to the copper tube and secured by a pipe clamp.
2. Connect other end of the flexible pipe with the water tap (sampling tap).
3. Hold copper tube upright, water throughflow must be in upward direction.
4. Important: Air bubbles in the pipe must be avoided. Remove the bubbles inside the Cu- tube, smash with a wrench against the sampling container in flow direction (from bottom to the top).
5. After some minutes of flushing, first close the outlet (upper) clamp and finally the inlet (lower) clamp by twisting together the clamp with a suitable wrench.
6. Important: the Cu- tube should be compressed to about 1 mm by the clamps, further compression will destroy the tube, less compression can result in air contamination. But, the tubes has to be closed completely, no gap should be visible.
7. Take off the flexible pipe.
8. Label the sampling container (date, time, locality).
9. Please handle the ends of the Cu-tubes with extreme care during storage and transportation.



Important: Close the clamps completely. No gap should be visible!
But the copper should not brake!

Sketch:

