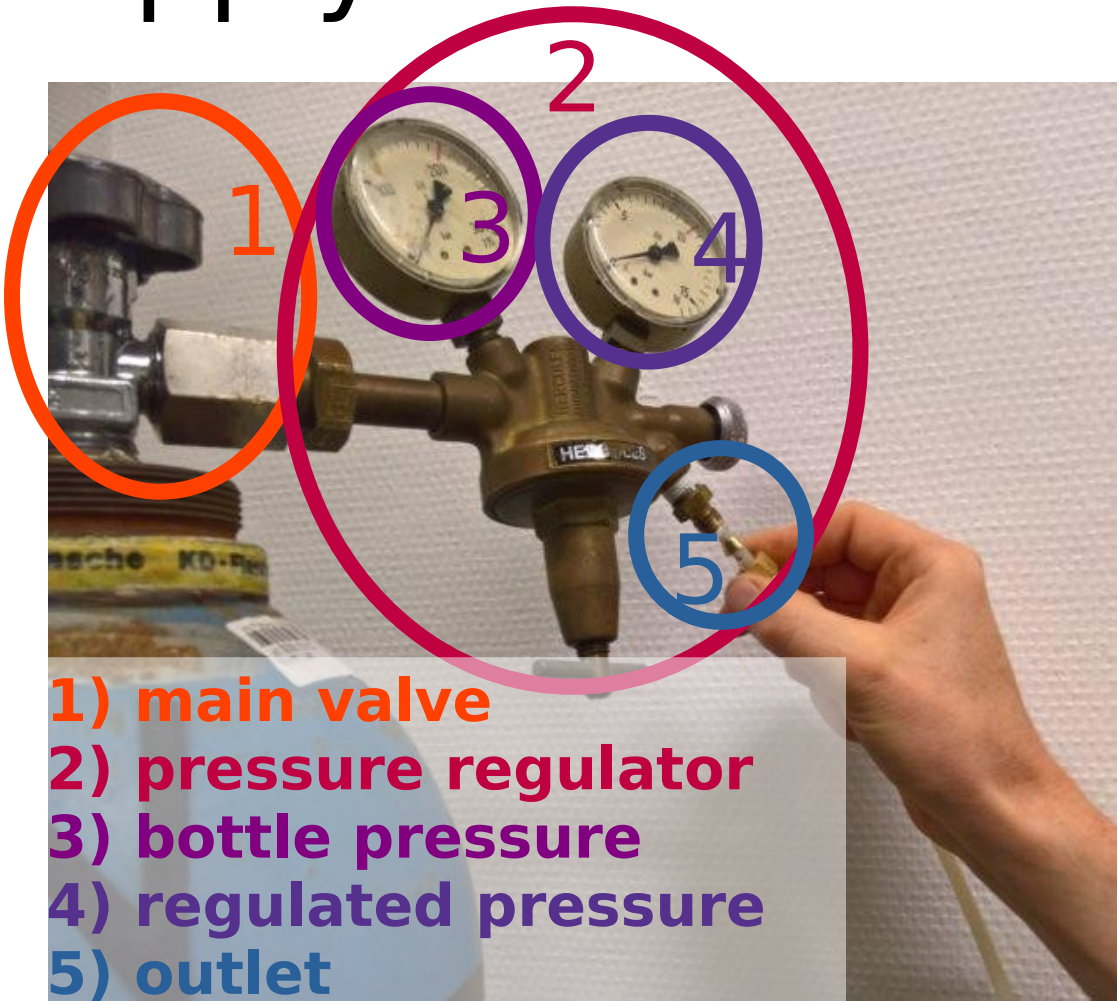
Gas supply

- attach regulator to “zero air” bottle
- attach ¼” tubing to regulator (fasten with 9/16” wrench)

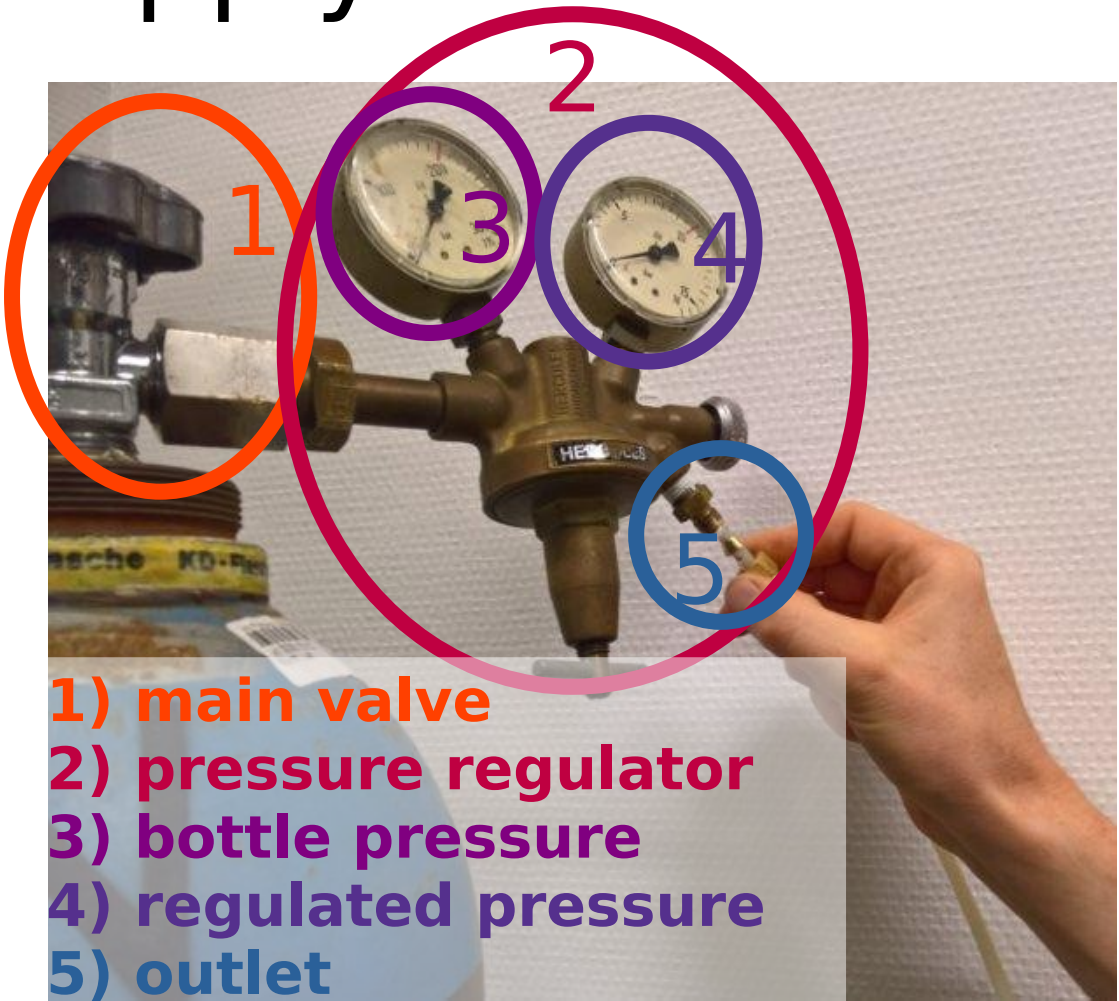


Gas supply

- The valve to regulate the pressure at the outlet might look different at different regulators

Gas supply

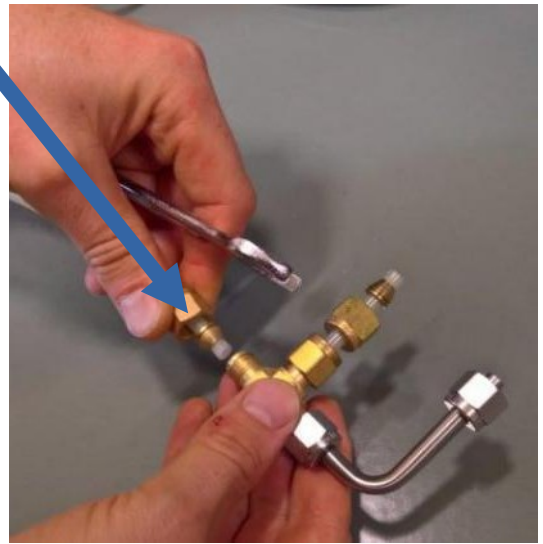
- use finger to block open side of ¼” tubing
- open main valve
- regulate pressure (indicated by 4) to 1.5 to 2 bars
- close main valve



Mass flow controller inlets

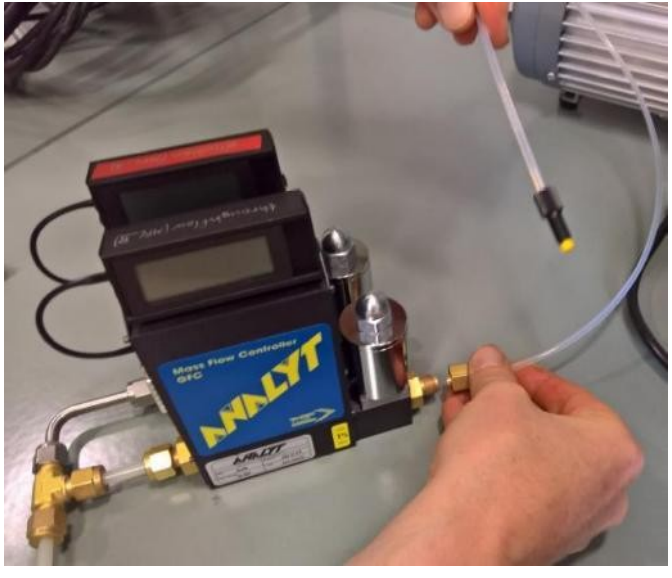
- attach ¼” tubing to T-connector
- attach T-connector to flow controller inlets

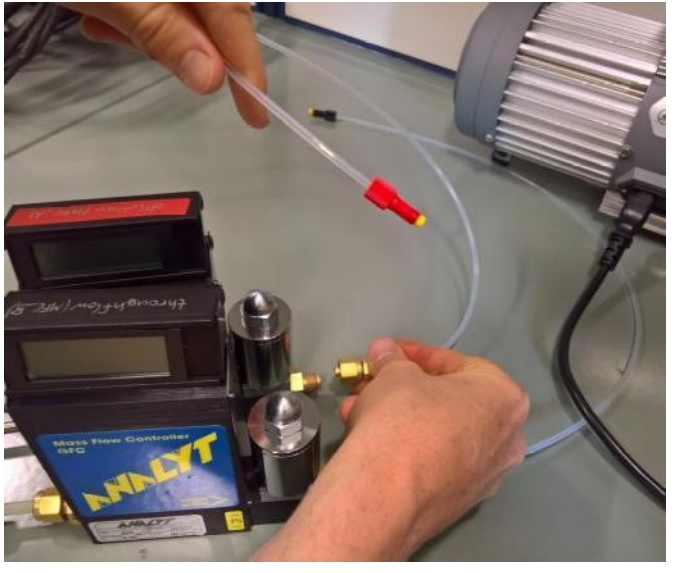
- fasten all connections with 9/16” wrench



Mass flow controller outlets

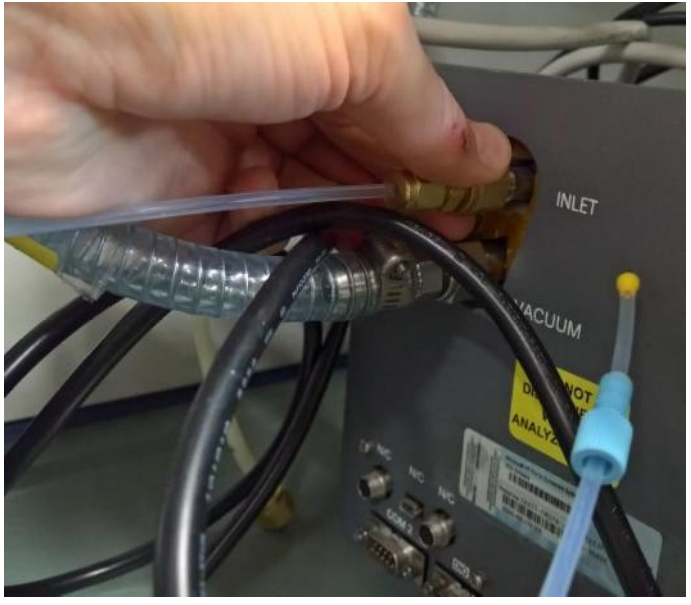
- attach 1/8” tubing to flow controller outlets (black to black, red to red)
- fasten with 9/16” wrench

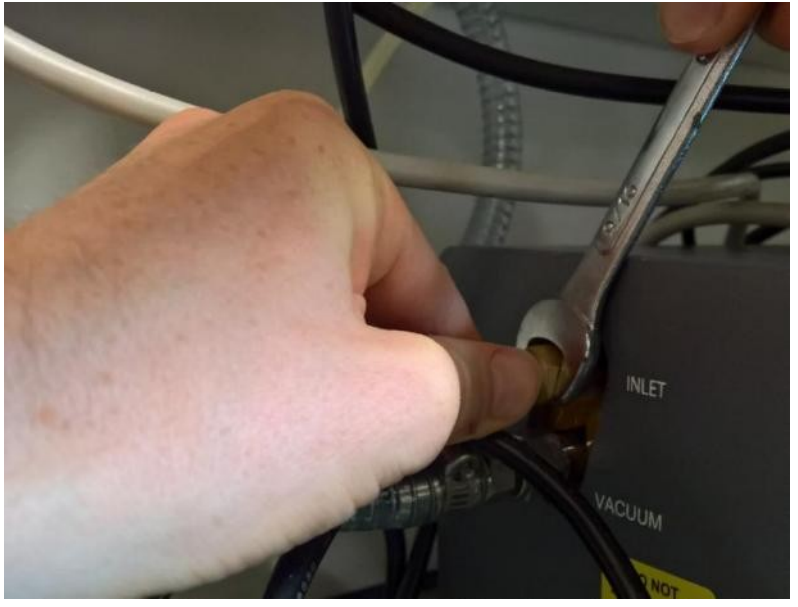




Picarro inlet

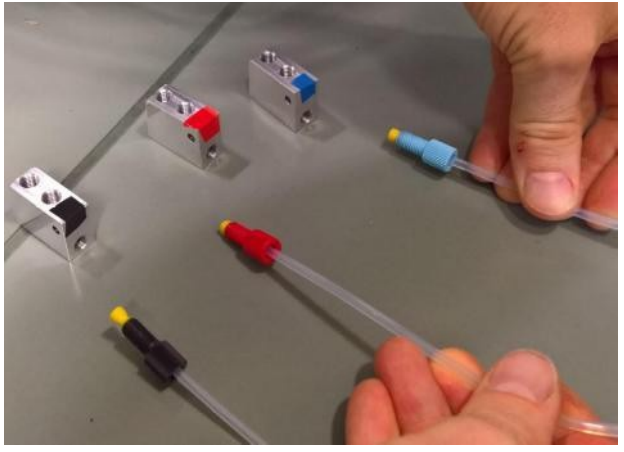
- attach 1/8” tubing terminated by blue screw to Picarro inlet
- fasten with 9/16” wrench

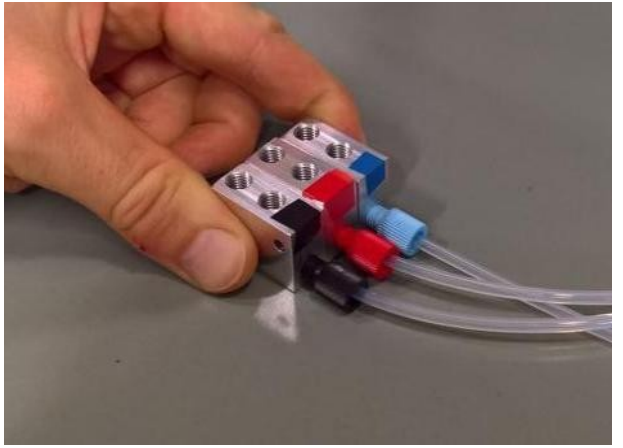




Plotbox manifolds

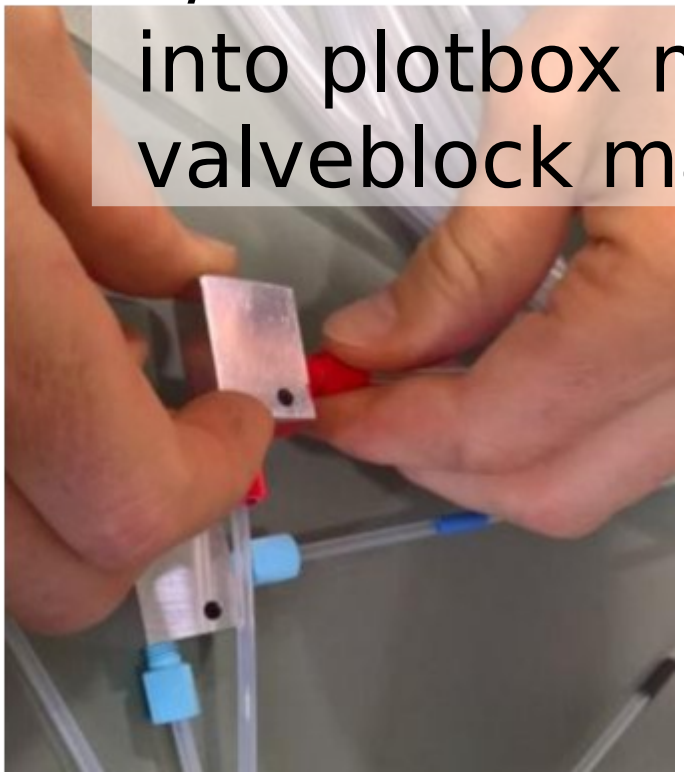
- screw the three 1/8” tubings whose other ends are 9/16” nuts (black & red @ flow controllers, blue @ Picarro) into sides of accordingly colored plotbox manifolds
- in case nut and ferrule are already pressed together, separate them before screwing



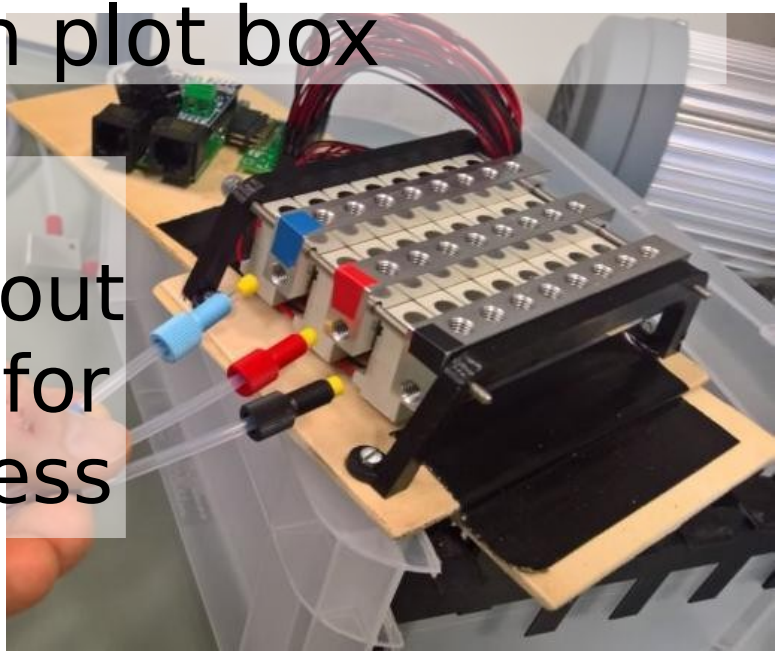


Plotboxes

- screw ends of plotbox connection tubing (3 x 1/8” with color coded screws on both ends) into plotbox manifolds and side ports of the valveblock manifolds of each plot box

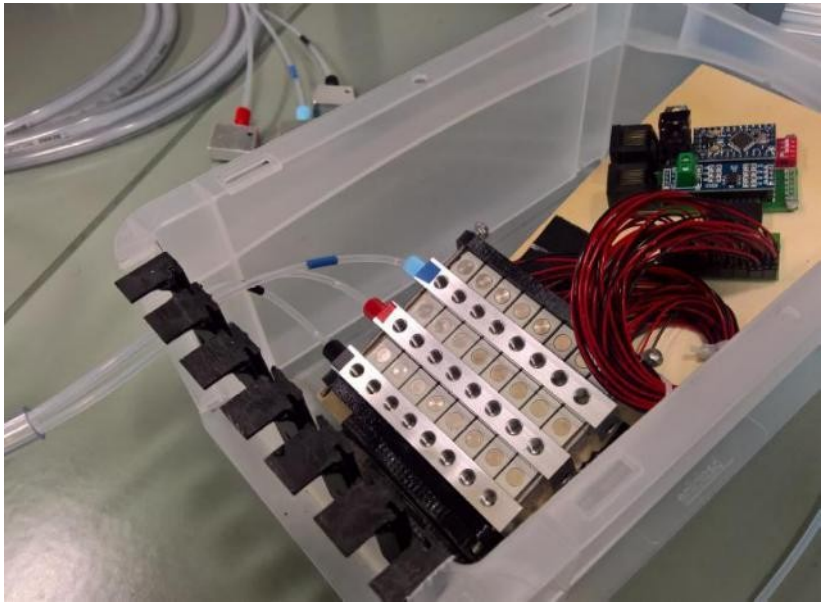


- Tip: take valve unit out of plotbox for easier access

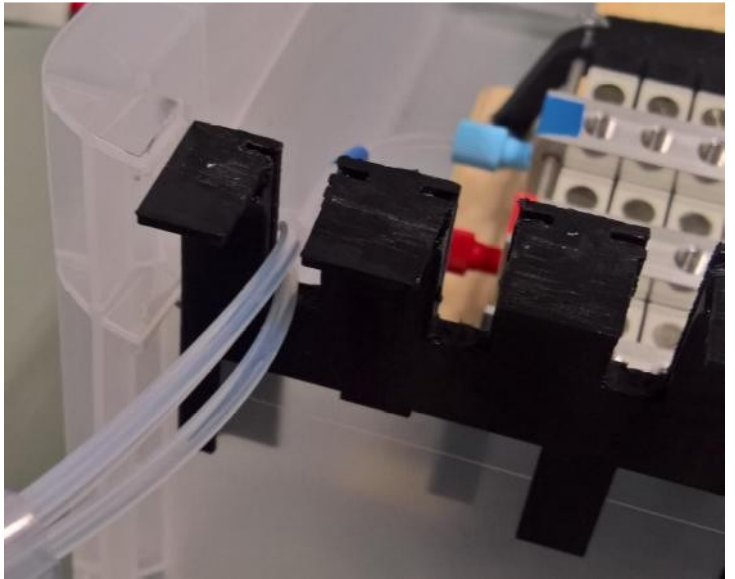


Plotboxes

- put valve unit back into the box

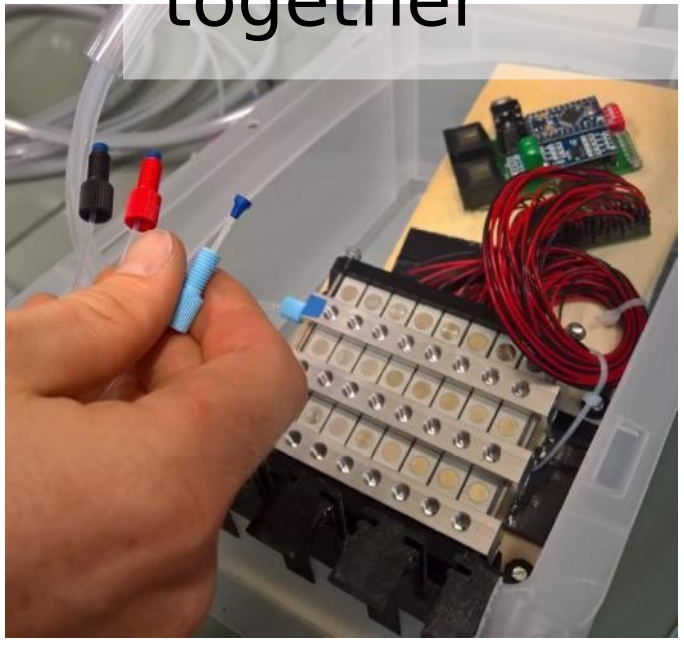


- guide tubing thorugh leftmost access slot

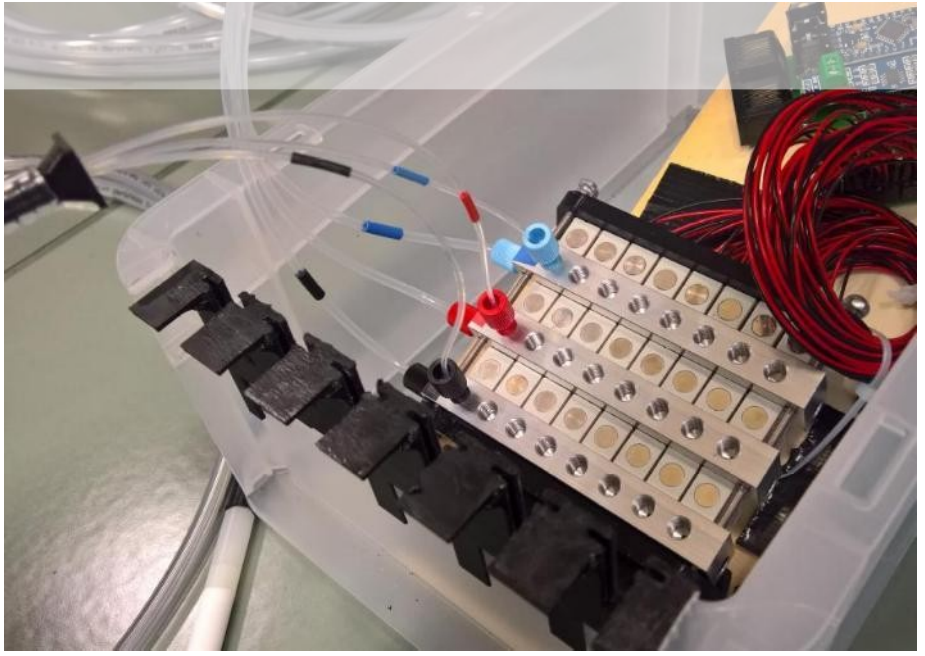


Probes

- make sure nut and ferrule are not pressed together



- screw all three lines of one probe into the same column (stick to the color coding)



Probes

- slide end of protection tube into free slot of plotbox (one slot can take two probes)
- preferably use the four rightmost slots

- repeat for remaining probes