

# How to flush the Coils

## Preperation

Before you start to the procedure you should get everything together, that is needed.

### You need

- Vinegar essence
- Destilled Water
- Boxes (I recommend at least two)
- Submersible pump
- Power supply
- Blind plugs 2x
- Spanner (19, 17 & 14)
- Some paper

## Getting started

1. Turn off the pump and chiller.
2. Make some space where the bigger pipe is split for the upper and lower coils (underneath the S-MOT Laser-System).
3. Put a box there and remove the big pipes from the Tee. Do this above the box, since the water will start to drain out of the big pipes.
4. Close the big pipes using the blind plugs.
5. Connect the pump to the Input-Tee (labels are on the smaller pipes).
6. Put the pump into a box with water (you can use tap water) and vinegar essence (I used a quarter of a bootle).
7. Fix the Outut-Tee so that the water will drip into the box again.
8. Connect the pump to the Power supply (check that the voltage is reduced to zero).
9. Now slowly increase the Voltage until the water starts to drip out of the Output-Tee. Increasing the voltage too fast will cause the pump not to work.
10. If the water starts to circulate you can increase the Voltage to max 12V.
11. Flush the coils for a couple of hours
12. When you are done with flushing the coils you have to flush the coils with destilled water, to remove all residuals of the vinegar-water-mix (flush it with ~5 litres NOT CIRCULATING)

From:

<https://iqwiki.iqo.uni-hannover.de/> - IQwiki

Permanent link:

<https://iqwiki.iqo.uni-hannover.de/doku.php?id=groups:mg:tips:coils>

Last update: **2020/07/07 09:01**

