

Troubleshooting HR 600 /2

How to clean the heating head pipette?

During operation, the pipette in the heating head is exposed to flux smoke. Depending on the intensity of exposure, the pipette needs regular cleaning. The use of a fume extraction unit along with the HR 600 and HR 600 /2 is highly recommended.

CLEANING of the pipette in the heating head:

In a regular case, it is sufficient to clean the pipette with some flux remover and a fiber-free towel while it is mounted on the system. Only in the case of heavy pollution and limited movability of the pipette, Ersa recommends dismantling the heating head and the pipette for intensive cleaning.

1. **Remove the heating head** from the HR 600 or HR 600/2 system. Open 2 screws on the back of the unit, disconnect the vacuum tube and unplug the head from the system.
2. **Open the heating head cover**

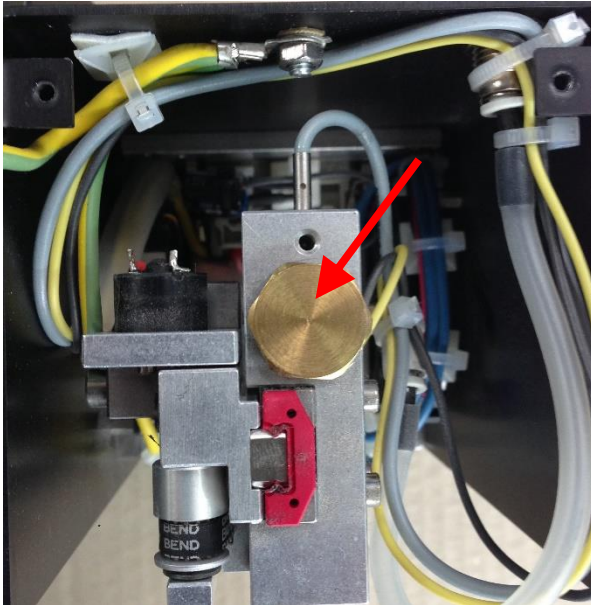


Use a Phillips screwdriver to open the 4 screws on the heating head cover. Lift the cover and put it to the side. (**NOTE:** there is a remaining ground wire – pls. do not disconnect this.)

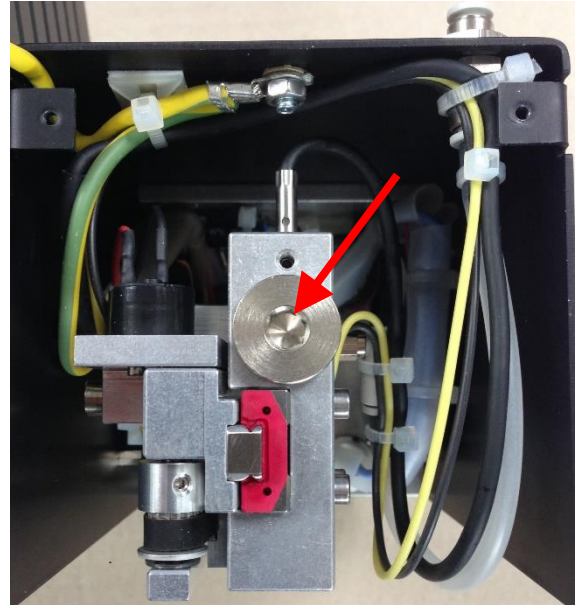
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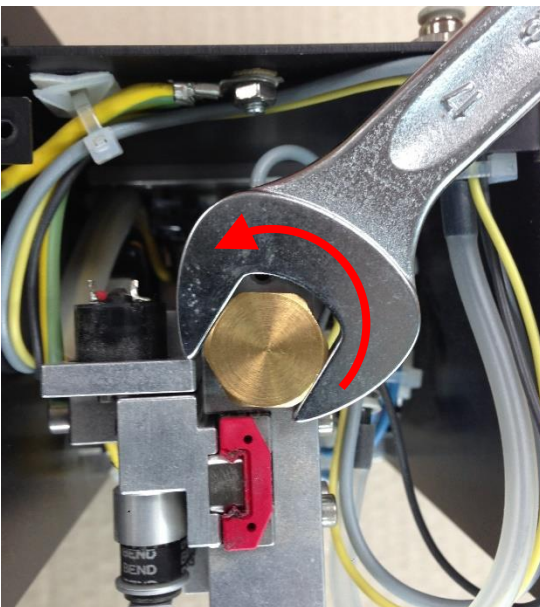
3. Open pipette closing on the top (2 different types)



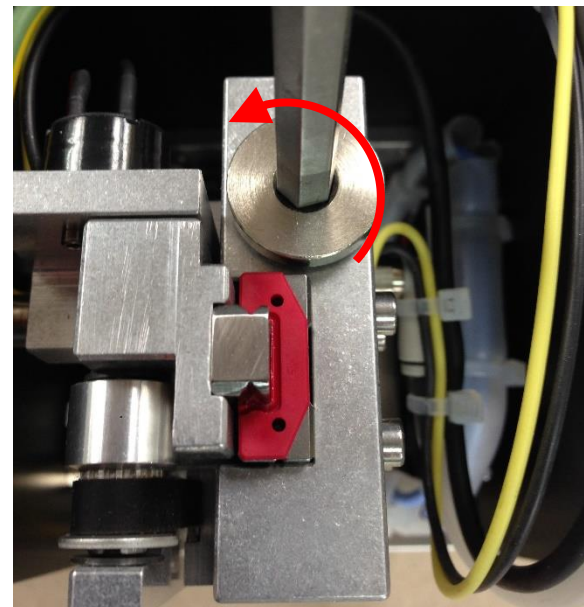
pipette closing old



pipette closing new



open closing old



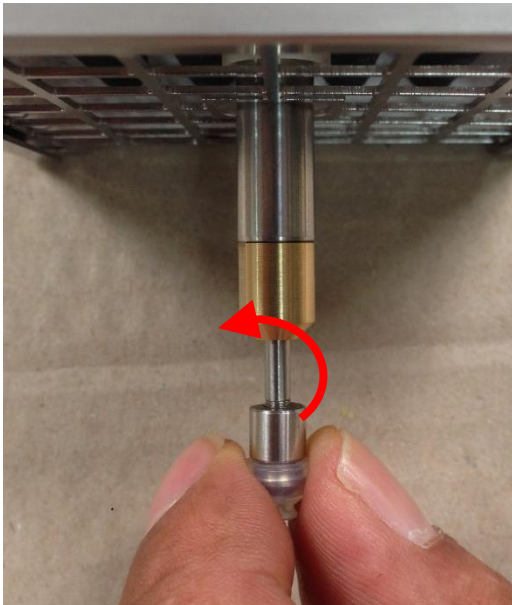
open closing new

Unscrew the large cover screw and put it to the side. Below the top end of the pipette will become visible.

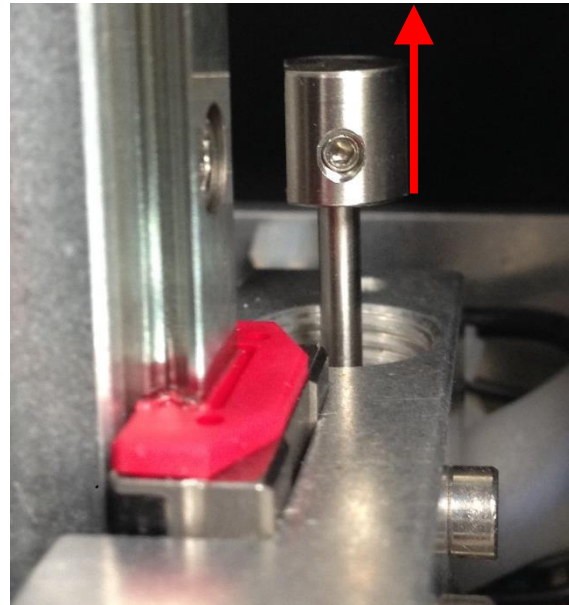
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4. Extract pipette tube to the top



unscrews nozzle from pipette



lift pipette to the top and extract (push pipette from lower end and grab top end to lift)

5. Clean the pipette tube

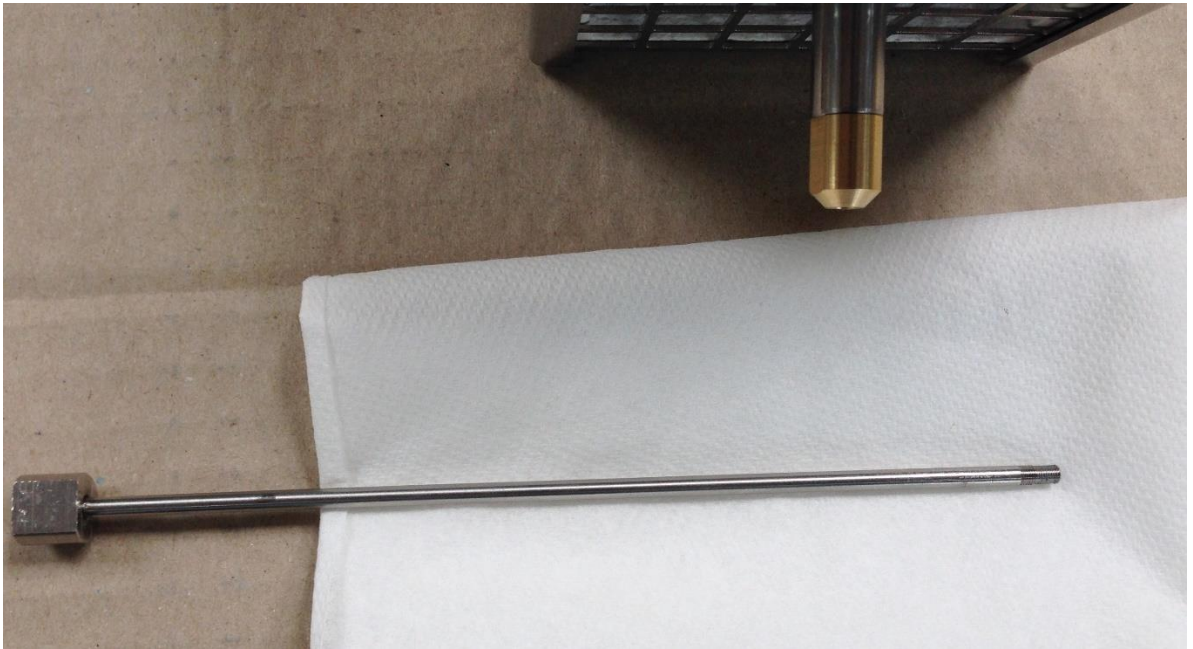


Use FLUX REMOVER or cleaning alcohol to wipe and wash of flux residues from the pipette tube. Use the brush and a fiber-free towel to clean and dry.

Like shown in the picture above you can wash the pipette while it is inserted or extracted from the heating head like described above.

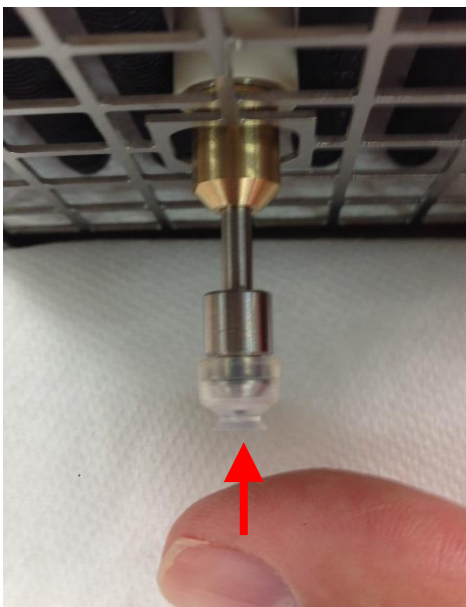
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pipette extracted from the heating head for cleaning

6. **Movability test**



Test pipette for smooth movability once it is cleaned and inserted back into the heating head. A slight push with the fingertip must show no significant resistance force.

NOTE: Make sure there are no flux remover (alcohol) residues left, before installing the pipette and taking the heating head into operation!

no