## Pumping speed test using LAUDA 107 cooling station

|  | Tube | Time/s | Hight/mm | Volume $/ \mathbf{m m}^{\wedge} \mathbf{3}$ | Pump. Speed I/min | length of both tubes $=2 \mathrm{~m}$ |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :--- |
| $\mathbf{1}$ | Plastic Tube | 120 | 50 | 3077.2 | 1.5 |  |
| $\mathbf{2}$ | SS Bellow | 100 | 55 | 3384.92 | 2.0 | this run out of water in a bath! |
| $\mathbf{3}$ | SS Bellow | 90 | 53 | 3261.832 | 2.2 |  |
| $\mathbf{4}$ | Plastic Tube | 90 | 40 | 2461.76 | 1.6 |  |
|  |  |  |  |  |  |  |
| $\mathbf{5}$ | SS Below | 60 | 45 | 2769.48 | $\mathbf{2 . 8}$ | shorter SS tube $(40 \mathrm{~cm})$ |

We used either stainless steel tube or plastic tube, both 2 m long than connected to the copper cooling plate (similar to what we're going to use) and coming out of the plate was connected extra 30 cm long plastic tube as an outlet.

