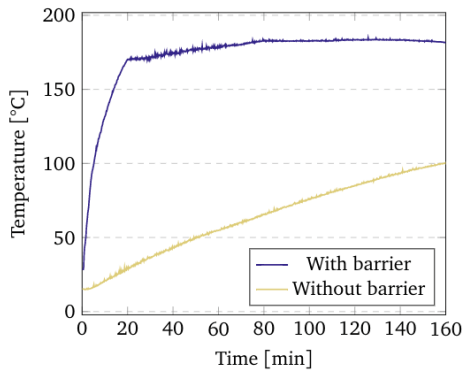


# Temperature control: expansion based overflow

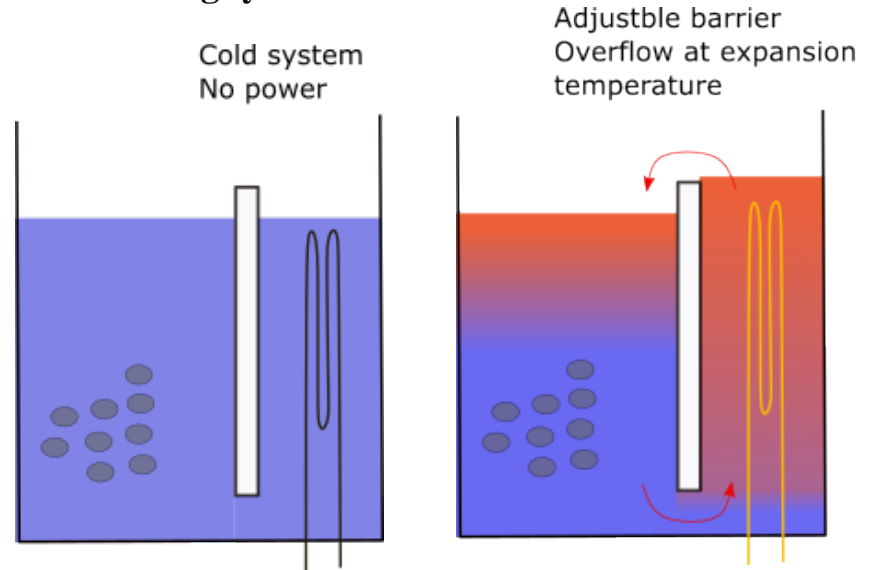
- We needed a heater to provide and oil flow to a heat storage at a given set temperature.
- This can be achieved in a two chamber setup where circulation between the heating side and the storage side is regulated by a flow barrier.
- As oil expands upon heating, the height of the overflow barrier determines the circulation temperature.



## Test heating with and without barrier

(Gunn Helen Nylund, Andreas Bjørshol, Alexander Peter Olsen)

## Circulating system



## Once through system

