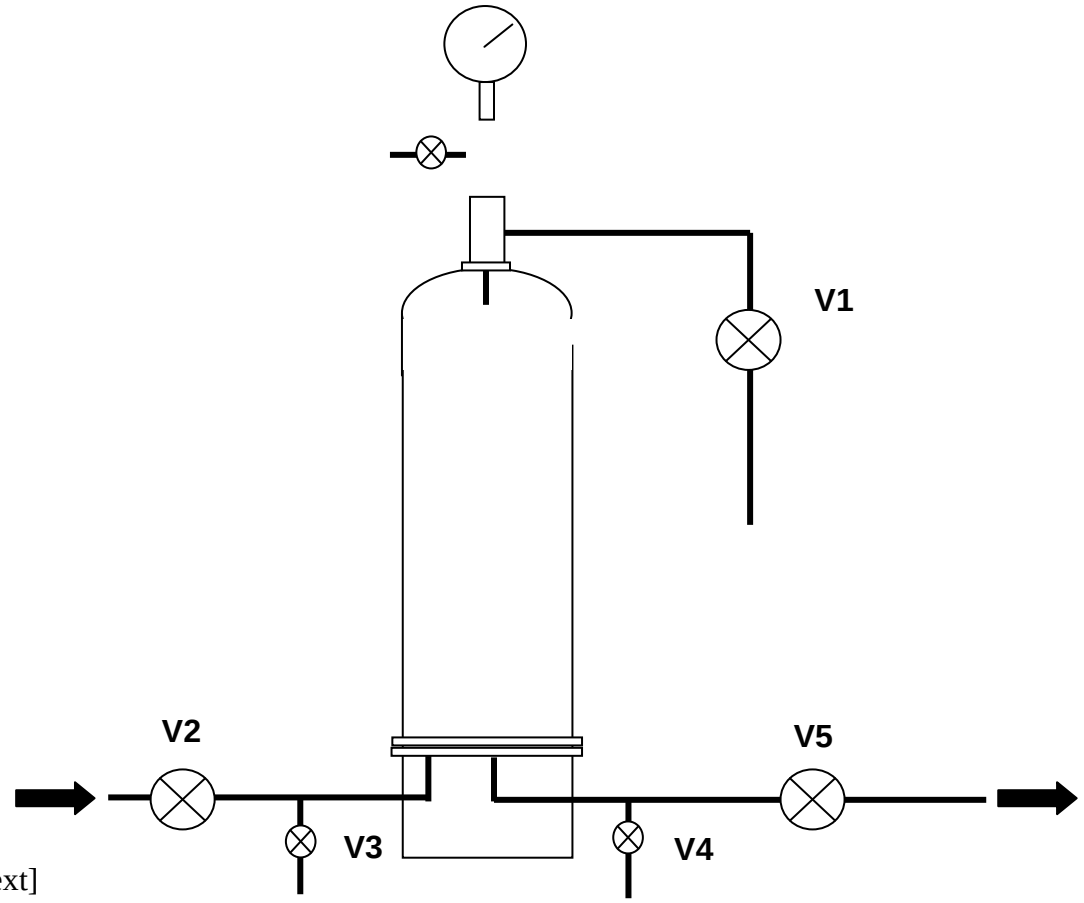
MICROFILTRATION - Technical Data

MLP 20 – HOT WATER SANITATION

Hot water sanitation:

- Water should be at 80 – 90°C (185 - 203 °F); $\Delta p \leq 100$ kPa (1 bar).
- Connect hot water supply to inlet valve **(V2).**
- All valves have to be slightly 'cracked' open.
- **Duration**: 20minutes after the outlet side has reached sanitizing temperature (note: circulation of the hot water saves energy).



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Cooling Down:

To prevent cartridge damage by vapour condensation the closed filter housing should be pressurized with gas to approximately 50 kPa (0.5bar). Immediately afterwards, the filter housing should slowly be filled with cold water via **(V2)** for cooling purposes. For this step a pressure of at least 30kPa (0.3bar) has to be maintained until water emerges at the vent valve **(V1)**. It is recommended to first introduce cold water with valve **(V5)** closed to allow the pressure build-up in the system. Subsequently valve **(V5)** should be opened for the purpose of cooling the filter down. The stream of cold water will cool the housing down (max. permissible differential pressure 30kPa (0.3bar).

To ensure full wetting of the cartridges for the subsequent integrity test the system pressure should be increased to 200 – 500Kpa (2 – 5 bar) after a short cooling down phase.

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