Demonstrator setup - calibration experiment
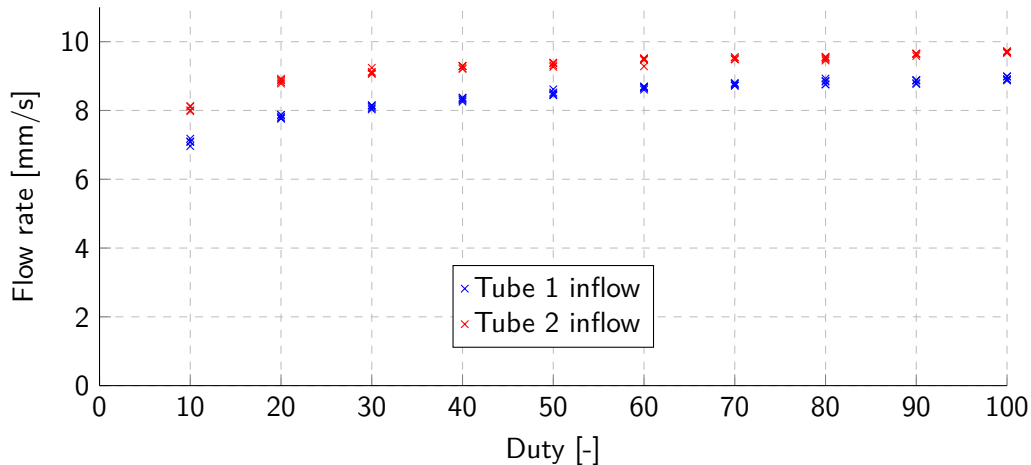
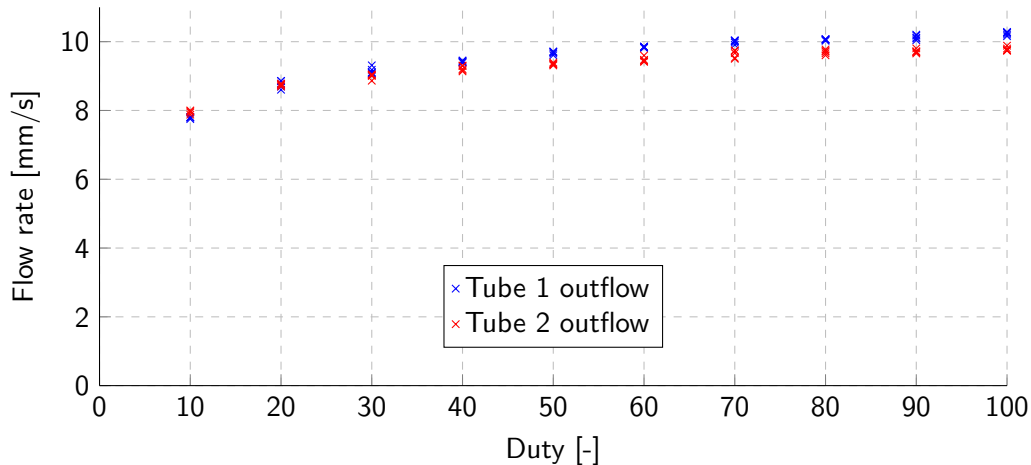## Experiment design and results

July 30, 2024

Experiment design

- Script `calibration.py`.
- Duties from $\{10, 20, \dots, 100\}$.
- Each duty-tube-flow direction combination tested 5 times.
- Water levels changed between < 250 mm and > 500 mm.

Experimental results - inflow

Experimental results - outflow

Experiment design

- Script `calibration_static_outflow.py`.
- All pumps are off.
- Water level measured as quickly as possible (i.e., delay is coming from the setup, not the Python script).
- Total of 200 measurements.

Experimental results - static outflow