

# Switching pH Control

To simulate the behavior of large scale bioreactors with on/off corrective agent addition, a one-sided or two-sided two-point pH controller can be programmed.

One trigger condition switches the pump on and an additional trigger condition is defined to switch it off again. The workflow has to be based on a template without pH control, just pH measurement. Only in this configuration substrate A and B are both available for definable profiles.

The following figure shows the setting for Substrate B acting as base. A two-sided control can be defined the same way very easily assuming Substrate A acting as acid.

