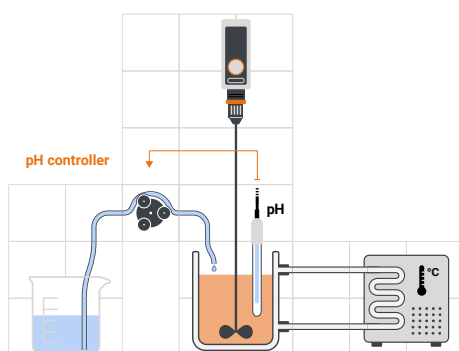


# Hei-PROCESS Cloud Expert

## APPLICATIONS



### Reactor with pH controller

With this solution, on top of the basic chemical reactor functionalities, you can also control the pH in your vessel.

### Components

1x Pump Hei-FLOW Ultimate 120

1x pH-Sensor ARC Easy Ferm Plus, Hamilton

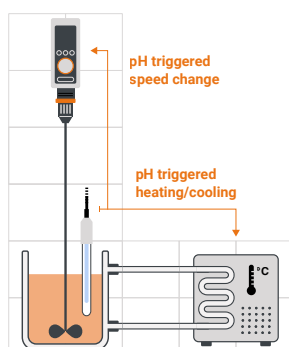
1x Overhead stirrer Hei-TORQUE Ultimate 200

1x Thermostat; three models are available:

Lauda ECO RE series with RS232 interface module

any Huber model with Pilot ONE interface

Hei-CHILL series



### Reactor with pH-triggered functionalities

With this solution, on top of the basic chemical reactor functionalities, you can also trigger a change in the mixing speed and the temperature based on the measured pH. For instance, this solution can automate chemical reactions that must stop when a certain pH is reached.

### Components

1x pH-Sensor ARC Easy Ferm Plus, Hamilton

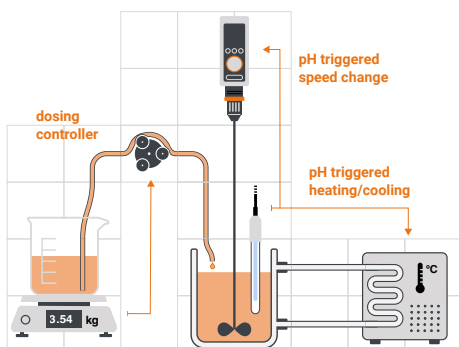
1x Overhead stirrer Hei-TORQUE Ultimate 400

1x Thermostat; three models are available:

Lauda ECO RE series with RS232 interface module

any Huber model with Pilot ONE interface

Hei-CHILL series

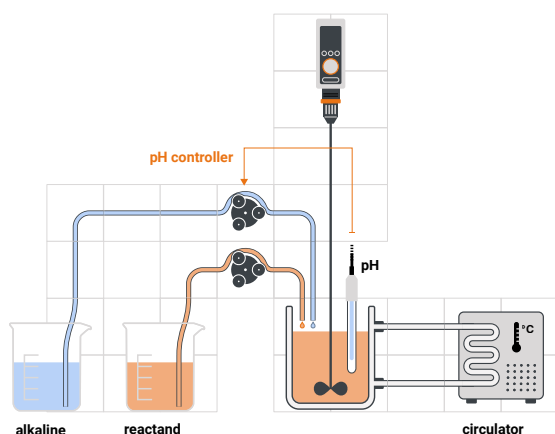


### Reactor with gravimetric dosing

This chemical reactor, on top of offering pH-triggered functionalities, allows you to automatically, accurately, and reliably add the required amount of reagent or reactant to your vessel.

#### Components

- 1x Pump Hei-FLOW Ultimate 120
- 1x pH-Sensor ARC Easy Ferm Plus, Hamilton
- 1x Overhead stirrer Hei-TORQUE Ultimate 400
- 1x Scale
- 1x Thermostat; three models are available:
  - Lauda ECO RE series with RS232 interface module
  - any Huber model with Pilot ONE interface
  - Hei-CHILL series

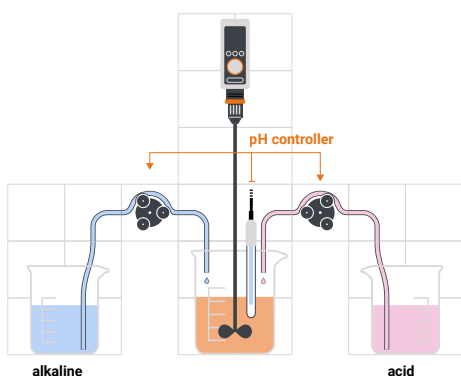


### Reactor with advanced pH controller

This chemical reactor, on top of offering a pH control functionality, allows you to automatically add a reagent or reactant to your vessel.

#### Components

- 2x Pumps Hei-FLOW Ultimate 120
- 1x pH-Sensor ARC Easy Ferm Plus, Hamilton
- 1x Overhead stirrer Hei-TORQUE Ultimate 400
- 1x Thermostat; three models are available:
  - Lauda ECO RE series with RS232 interface module
  - any Huber model with Pilot ONE interface
  - Hei-CHILL series



### Advanced pH controller

This solution allows you to reach and control the desired pH in your vessel: when the measured pH is below your target, an alkaline solution is pumped into your vessel; when the measured pH is above your target, an acid solution is pumped into your vessel.

#### Components

- 2x Pump Hei-FLOW Ultimate 120
- 1x pH-sensor ARC Easy Ferm Plus, Hamilton
- 1x Overhead stirrer; two models are available:
  - Overhead stirrer Hei-TORQUE Ultimate 200
  - Overhead stirrer Hei-TORQUE Ultimate 400