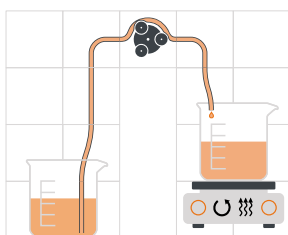


Hei-PROCESS Cloud Core

APPLICATIONS



Pumping & Mixing 1

Automatically pump into your vessel while mixing your solution with a magnetic stirrer.

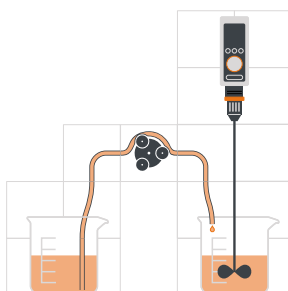
Components

1x Pump; two models are available:

Pump Hei-FLOW Ultimate 120

Pump Hei-FLOW Ultimate 600

1x Magnetic stirrer Hei-PLATE Mix 'n' Heat Ultimate



Pumping & Mixing 2

Automatically pump into your vessel while mixing your solution with an overhead stirrer.

Components

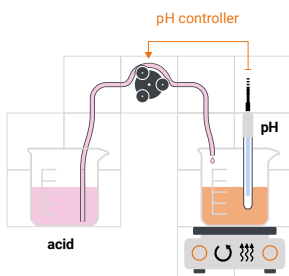
1x Pump Hei-FLOW Ultimate 120

1x Overhead stirrer; three models are available:

Overhead stirrer Hei-TORQUE Ultimate 100

Overhead stirrer Hei-TORQUE Ultimate 200

Overhead stirrer Hei-TORQUE Ultimate 400



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. Of course, you can also define an acid-based controller that can actively lower the pH.

Components

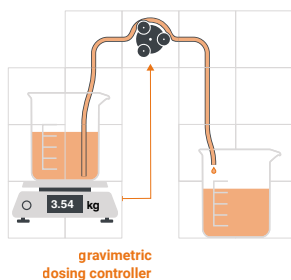
1x Pump; two models are available:

Pump Hei-FLOW Ultimate 120

Pump Hei-FLOW Ultimate 600

1x Magnetic stirrer Hei-PLATE Mix 'n' Heat Ultimate

1x pH-Sensor ARC Easy Ferm Plus, Hamilton



Gravimetric controller

With this solution, you can dose solutions reliably, accurately, and automatically. You set in the software UI the mass of solution you want to add to your vessel, and the pump dispenses it automatically based on the feedback from the scale: when the target amount is reached, the pump stops.

Components

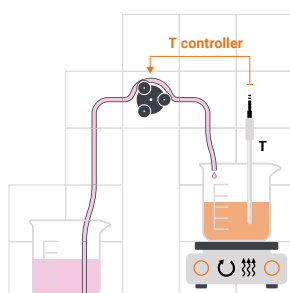
1x Pump; two models are available:

Pump Hei-FLOW Ultimate 120 or 600

1x scale; two models are available:

Preceision scale PCB 1000-2, Kern & Sohn

Ohaus Defender 5000



Temperature-triggered pumping

With this solution, you can automatically stop or start the pumping into your vessel based on the measured temperature. For example, in case of an exothermic reaction, in the software UI, you can set at which temperature the pumping of a reagent in the vessel must stop and at which temperature it must start again.

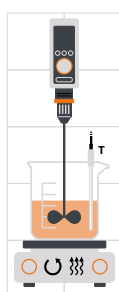
Components

1x Pump; two models are available:

Pump Hei-FLOW Ultimate 120 or 600

1x Magnetic stirrer Hei-PLATE Mix 'n' Heat Ultimate

1x Temperature probe



Temperature controller

Control the temperature in your vessel with a magnetic stirrer and stir your viscous solution with an overhead stirrer.

Components

1x Overhead stirrer; three models are available:

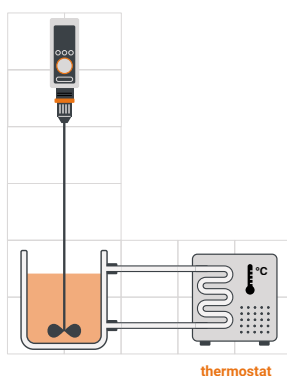
Overhead stirrer Hei-TORQUE Ultimate 100

Overhead stirrer Hei-TORQUE Ultimate 200

Overhead stirrer Hei-TORQUE Ultimate 400

1x Magnetic stirrer Hei-PLATE Mix 'n' Heat Ultimate

1x Temperature probe



Chemical reactor

This solution including an overhead stirrer and a thermostat enables you to program the basic environmental parameters for chemical reactions. The stirrer speed can also be controlled by the temperature in the vessel.

Components

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