

Hydrogenations with the new bpc 2 – precise, reproducible, reliable, safe

- proven technology – providing stable process conditions
- turnkey solution – plug and play
- unique, precise volumetric gas dosing system
- multiple built-in safety features
- easy operation



Facts and figures

- Hydrogenation at 1 to 140 bar
- accuracy > 99 %
- flowrates 0.3 to 58 l_n / min.
- stepwise gas addition
- gas consumption in mol, ml



The new bpc 2 and Büchi pressure reactors – the ultimate solution for hydrogenation

Built on the experience and the outstanding performance of the first generation hydrogenation system, the bpc 2 offers unmatched reproducibility and accuracy, highest safety at simple operation.

Features

- reactor (reaction) pressure kept stable during entire experiment
- high precision / reproducibility by unique volumetric dosing
- continuous logging of consumed active gas (USB memory stick)
- touch-screen operation, data display
- various internal safety interlocks
- automatic switch-off in event of leakage
- no need of calibration on-site



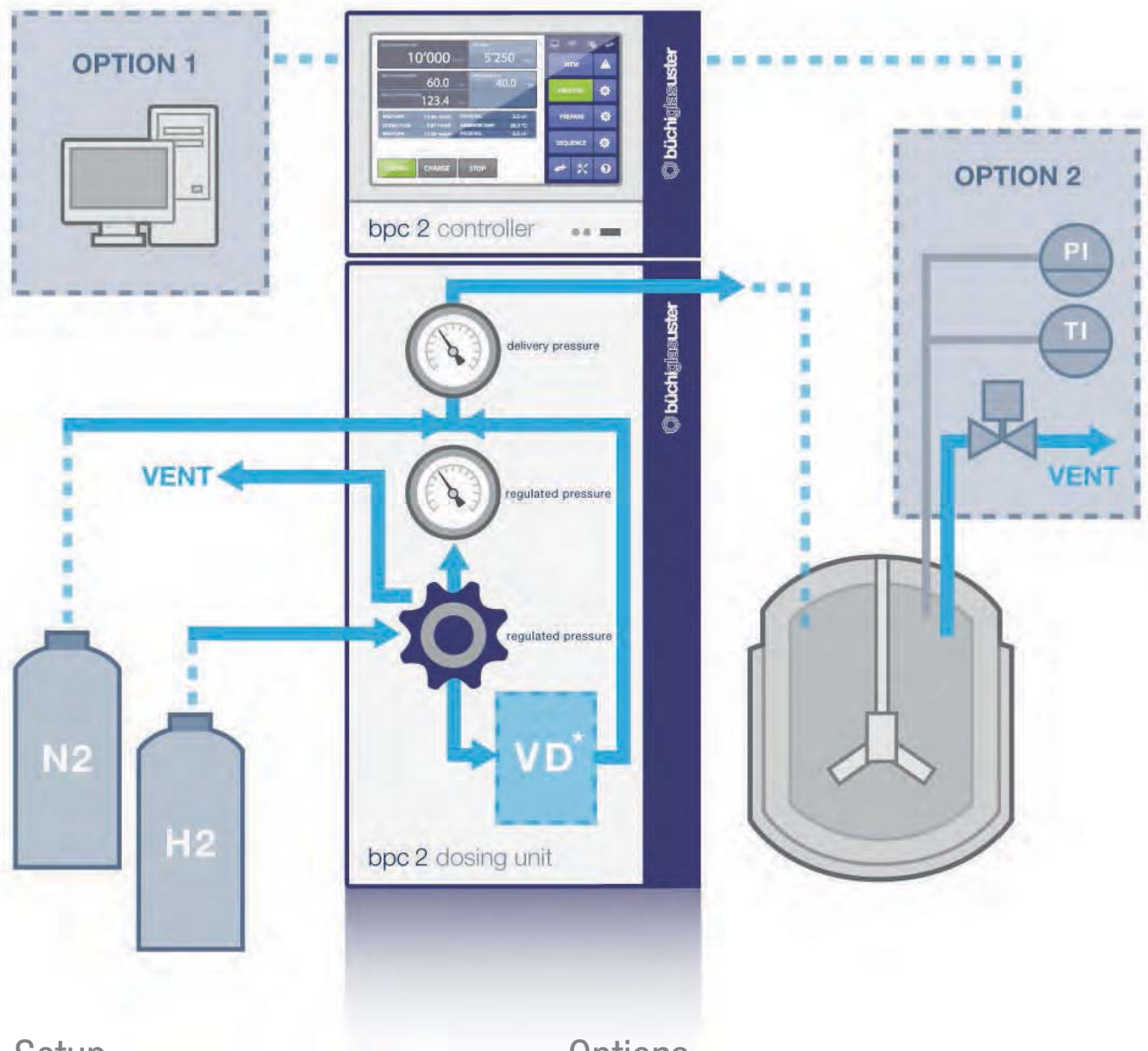
Easy operation

1. purging with inert / active gas
2. set regulated pressure > delivery pressure
3. set delivery pressure and start

Simple installation

- 2 lines-in, 1 line-out to reactor, 1 vent line

Setup and options



Setup

Controller with

- touch-screen operation / display
- USB data memory port
- RS232 port (for optional bls software)

Dosing unit

- volumetric gas dosing unit (VD*)
- pressure control devices
- safety interlock valves

Options

Option 1

- bls software for bpc 2 remote control and data storage

Option 2

- Temperature- / pressure measuring / display, alarm functions
- Controlled venting valve on reactor
- Sequence program, example: 1. N2 purging, 2. leak testing, 3. H2 purging.....

The Büchi hydrogenation solution

The new bpc 2 is suitable for Büchi pressure reactors of different volumes, pressure ranges and materials.

- Hydrogenations (catalytic)
- chemical research
- process development
- scale up



Visit www.kenkimble.com
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- Pressure reactors
- Catalyst testing
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