

Büchi «kiloclave»

For safe pressure reactions in kilo-scale



- Büchi quality
- efficient
- safe and reliable
- PED / ATEX / CE
- well designed
- corrosion resistant
- easy handling
- extensive accessories

Applications

- hydrogenation
- polymerization
- catalyst testing
- crystallization
- synthesis



 **büchiglasuster**
switzerland Pilot Plant and Reactor Systems

BÜCHI – THE WAY TO GET RESULTS!

«kiloclave»

Concept

- for heavy steel reactor vessels Type 3 and 4
- Manufactured and tested according to PED, AD2000

Stand

- Stainless steel construction
- with electric or hydraulic vessel lift
- with vessel pivoting function

Stirrer drive

- Ex-drive with transmission, manually adjustable 0–2400 rpm
- Magnetic coupling bmd 300

Vessels

- Type 3 / 3E, 0.5 to 20.0 liter, max. 60 bar / 250°C
- Type 4 / 4E, 0.5 to 20.0 liter, max. 60 bar / 250°C
- with flush mounted drain valve DN8

Cover plate

- with 7 openings: 5 $\frac{1}{8}$ " NPT, 1 $\frac{3}{8}$ " NPT, 1 $\frac{1}{2}$ " NPT
- Accessories: Manometer, Pt-100, bursting disc, 2 valves, 2 plugs

Options

- Materials like Hastelloy, Titanium, etc.
- Higher pressure and temperature
- Special setup, sensors, instrumentation



Type 3
Metal vessel with heating jacket
and drain valve



Type 4
Metal vessel with heating jacket,
2 sight glasses and drain valve



Cover plate with 7 openings



Lift

Concept

Safe and simple apparatus for lifting, lowering, and pivoting of the pressure vessel. Electric or hydraulic/manual versions.

The Büchi autoclave lift is specially designed for operation with type 3 and type 4 steel vessels.

Vessels with different volumes are easily interchangeable.



Pivoting function for easy vessel cleaning



kiloclave with electrically driven lift

kiloclave with manually operated hydraulic lift

Options



Magnetic coupling with higher torque
Drehmoment



Agitator with cyclone 300



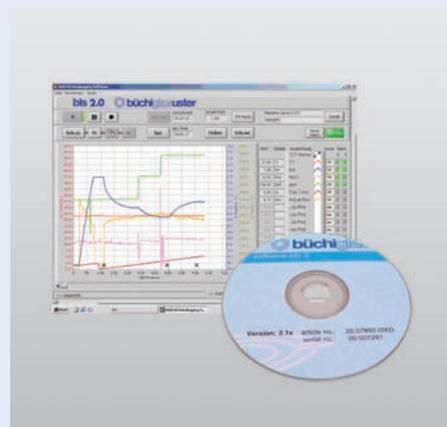
Fast action closure for vessels



Instrumentation



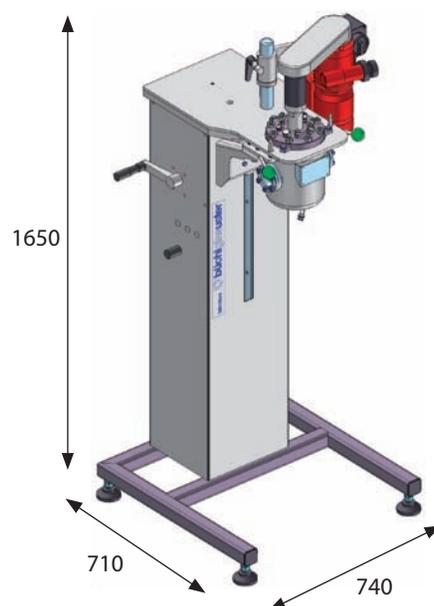
Vessels with electric heating/water cooling



Software

Special executions

Special executions are our daily business. We manufacture systems in Hastelloy, Titanium, Tantalum, Zirconium, etc, as well as pressure vessels for higher pressure and temperatures. Ask us!



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