

Büchi Laboratory autoclave, polyclave – the polyvalent Safe Pressure reactions with steeland glass reactors



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Your safety matters to us!



Safety fast acting closure

Couldn't be easier to use!

Release the pressure with the safety valve, release the clamp, open closure and that's it. Function:

By putting the clamp in «open» position, the vessel descends slightly inside the closure. In this position, the reactor is open, but still attached inside the fast acting closure. After fully opening the closure, the reactor bottom can be lowered completely.

Safety features

- The closure can only be opened after the pressure has been released
- It can only be opened completely, when the cover is separated from the cover plate

Integrated poly carbonate front door

The rugged all welded frame is designed to prevent any danger for the operator in case of failure of a glass vessel. Yet the shatterproof polycarbonate sliding door allows for observation of the process. How about some color in your lab ? The polyclave is available in red, blue, yellow, black or chrome.



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Change the vessel – not the entire system!

Available with fast acting closure or bolt-on closure

The polyclave is very versatile. As with it's predecessors, various vessel types and sizes can be installed on the same cover plate.

Typ 1 0,25/0,5/1,0/1,6/2,0 l max. 200°/6 (12) bar



Typ 2 0,5/1,0/1,5/2,0/3,0*/5,0 l* max. 200°/6 (12) bar *max. 200°/3 (5) bar



Bolt-on closure

Typ 3 0,5/1,0/2,0/3,0/5,0 l max. 250°/60 bar



Typ 4 1,0/2,0/3,0/5,0 l max. 250°/60 bar



Quick action closure



Vessel handling made easy

Lift

After fully opening the closure the vessel can be lowered easily by turning the handle located in front at the bottom of the frame.

The vessel is attached to the lift and can be removed (e.g. for cleaning) without the need for any tools.





polyclave with Type 4 vessel and fast acting closure





polyclave with Type 1B vessel and bolt-on closure





polyclave with mobile floor stand Type 2/5.0 liter vessel



Which magnetic drive would you like?



The new cyclone 300 solves any stirring problem. Consisting of a Servomotor with integrated magnetic coupling bmd 300 and a powerfull digital controller cc 300.

Features:

- Max. torque (300 Ncm) over the full range of agitator speed (0 – 2000 rpm)
- Constant speed, also with increasing viscosity
- Soft start of stirrer motor
- Precise speed/torque control with bds mc

Alternatives:

Stirrer drives cyclone 075/X-proof stirrer drive



cyclone 300

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cyclone 075



Ex - Antrieb X-proof stirrer drive

Coverplate with 7 openings

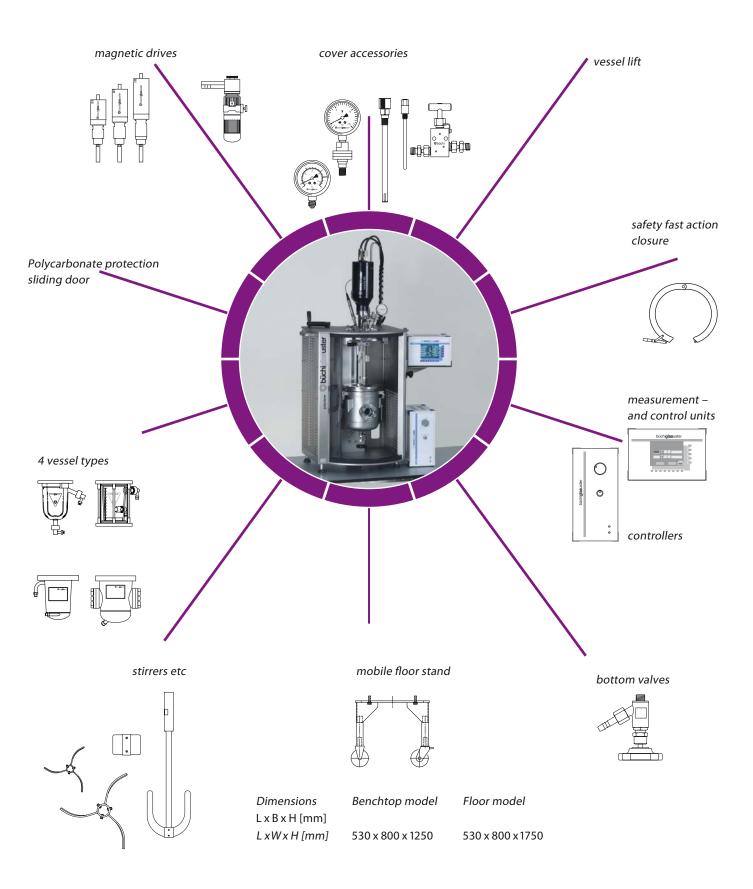
5 x 1/4" NPT, 1 x 3/8" NPT, 1x 1/2" NPT including the following accessories:

pressure gauge
Pt100
bursting disc
2 valves
2 plugs
Options like burettes, sensors, etc...





«polyclave» – the modular-system





Measuring, controlling, recording

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Measuring/controlling instruments

Various measurement and control devices are available:

bds sc 1-channel measuring and control unit

bds md 3-channel display unit

bds mc 5-channel measuring and control unit

bls 2 Software Software for data acquisition and control of data from bds sc, bds mc and bpc hydrogenator



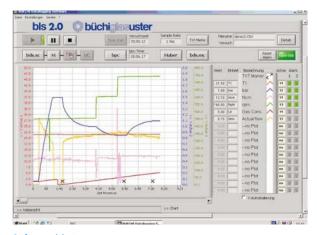


bds sc



bds mc

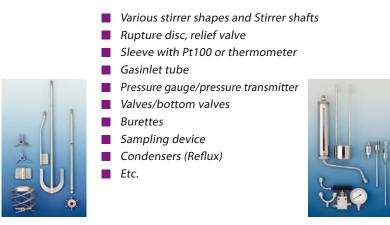
bds md



Software bls 2

Overview and standard accessories

Stirrers and Accessories



Special executions

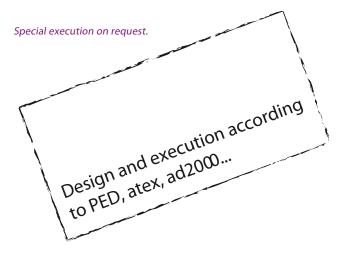
Special executions are our standard.

We manufacture systems in Hastelloy, Titanium, Tantalum, Zirconium, etc., as well as pressure vessels for higher pressures and temperatures. Ask us!

Overview Büchi Laboratory Autoclaves

For any temperature, any pressure, any size, ask Büchi.

	Temperature			Pressure bar/psi					Volume							Mat.		
Büchi Autoclaves	150° C	200° C	250° C	350° C	10/145	12/174	60/870	100/1450	350/5075	10–25 ml	100-300 ml	100-450 ml	0,25-3,01	0,25-5,01	1,0/2,01	5,0-20,01	Glas/ Glass	Inox/SS316L
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