

12 bar pressure with glass reactor

- visual process supervision
- for R & D
- multi purpose
- corrosion resistant borosilicate glass 3.3



Glass vessels have clear advantages

Büchi carries a complete range of pressure autoclaves with glass vessels. Our program includes jacketed glass vessels from 100ml up to 5 liter with maximum operating pressure up to 12 bar, depending on the vessel size. Some systems can also be equipped with steel vessels for operation up to 60 bar.

- **Observe** ongoing chemical reactions. Get vital information throughout the course of the process without opening the reactor.

- **Documentation** of process with photos and video.
- **Safety** is important when working with glass vessels. The actual burst pressure of Büchi glass vessels is much higher than the allowed working pressure and allows virtually risk free operation. As additional operator safety all Büchi autoclaves have a safety housing equipped with polycarbonate protection door and rupture disc.



«picoclave»

With fast action closure
for quick vessel change
100 – 300ml, max. 10bar / 200°C



«ecoclave»

The low-cost model
0.25 – 2.0lt. / max. 12bar / 200°C



«polyclave»

With vessel lift and fast action closure
for easy handling
0.25 – 5.0lt. / max. 12bar / 200°C

Glass vessels are available in many variations. We have the suitable vessel for your application. Countless options and special executions were realized and have an excellent track record in harsh daily operations.

All reactor systems can be equipped with metal vessels up to 60 bar, 250°C.



with round bottom for
fast action closure



with bottom valve for
fast action closure



with bottom valve
and tripple jacket for
low temperature



cylindrical with flat
metal bottom
and bottom opening



Metal vessel for fast action closure
with sight glasses for max. 60 bar / 250°C