



Single Batch Reactors

Most of our customers have unique needs, exclusive processes and in many cases, space constraints for new installations. Our standard products come with a large variety of options and accessories to help meet those needs. If you need a higher pressure, higher temperature or a different volume, we can usually do that too.

For example, we offer a line of affordable high-pressure Hastelloy batch reactors for organic synthesis. The batch reactor is equipped with gas inlet and outlet valves, a liquid sampling valve, pressure gauge, safety rupture disc, internal thermocouple and quick connections. The wetted parts are all constructed from Hastelloy C276 and can be set up to any configuration, up to 200 bar and 200 C.

This system comes fully assembled. Heating is with feedback temperature control and strong magnetic stirring is offered with either an IKA or Heidolf units.

The vessel is designed, built and can be certified to the ASME Pressure Vessel Code, European community P.E.D. and other appropriate local codes. Our Batch Reactor provides cost effective way to high-pressure chemistry experiments.

Features of our Batch Reactor include:

- Ideal for hydrogenation reactions
- Hastelloy construction
- Replaces synthesis experiments in glass tubes
- Liners in glass and PTFE for smaller volumes
- Portable, movable and safe