

Xelsius Pressurized Reactor

**DIFFERENT
PRESSURIZED REACTIONS
SIMULTANEOUSLY!**



The new Xelsius Pressurized Reactor represents the perfect solution to speed up the reaction processes.

Avoid the complicated sample preparation with oil bath and the need of working in pressure labs.

Use the full potential of the Pressurized Reactor together with Xelsius!

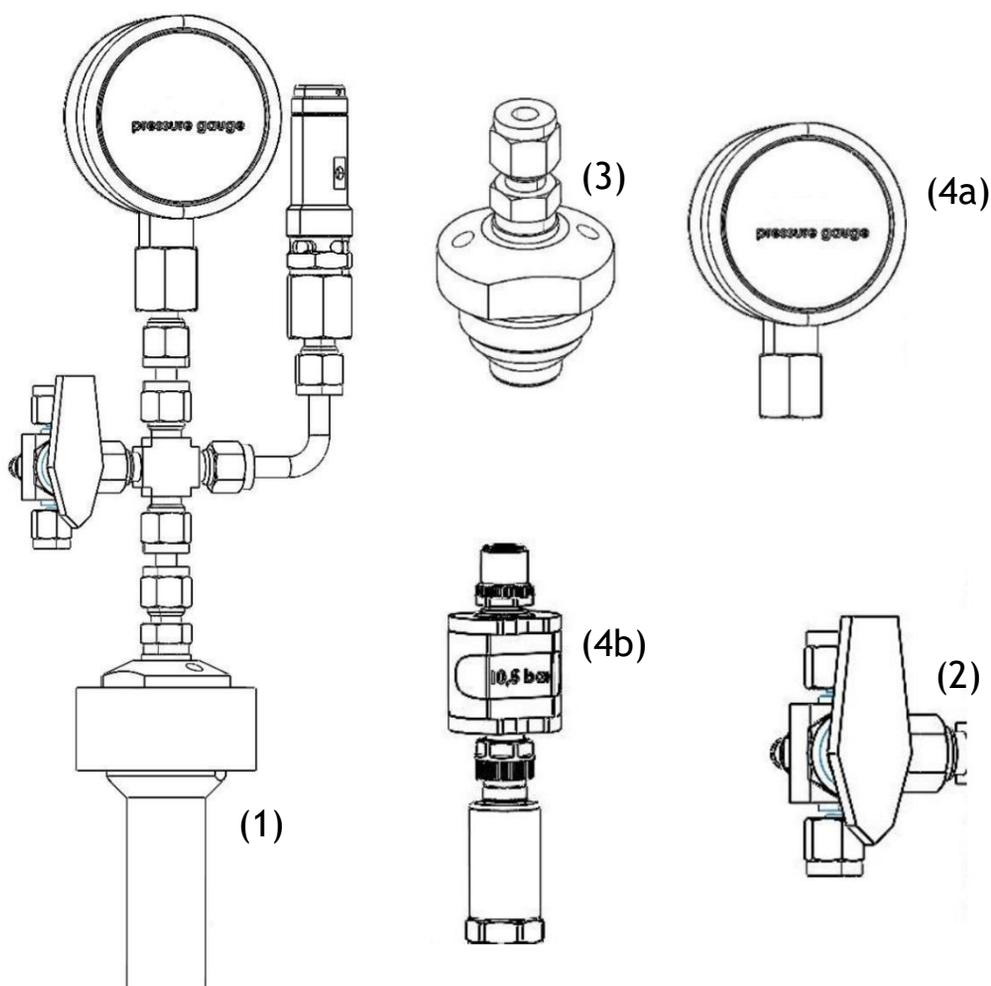
It allows small volumes to reach up to 15 bar, granting successful reactions under solvothermal conditions.

There is the possibility of working with the **PTFE vial** up to 10mL or with the **glass vial** up to 7mL according to the reaction and the substances used (1).

Thanks to the **three-way manual valve** (2), you can maintain a constant pressure during the entire process and easily sampling during the pressurized reaction.

Through the connection in the Reactor cap (3), a **temperature sensor** can be added.

Possibility of using an analogic (4a) or a digital (4b) **pressure sensor**.



TECHNICAL FEATURES

- ✓ Pressure: up to 15 bar
- ✓ Reaction volume: 0,5mL - 10mL
- ✓ Max. allowed Temperature: 160 °C
- ✓ Over pressure safety valve
- ✓ Analogic or digital pressure sensor

MAIN APPLICATIONS

- ✓ Reaction Optimization
- ✓ Drug Discovery
- ✓ Route Scouting
- ✓ Experiment Studies (DoE)

BENEFITS



FULL TEMPERATURE CONTROL



FAST HEATING AND COOLING PROFILES



TEMPERATURE AND PRESSURE TRACKING



SAFETY

