

# High Pressure Chemical Reactors

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Supercritical Fluid Technologies presents a line of stirred reactors for high pressure chemistry. The HPR-Series reactors have been designed for researchers interested in performing pressurized chemical reactions in their laboratories. These reactors



are ideal for a range of lab and research scale applications including, but not limited to, high pressure chemical synthesis and process development. The reactors range in size from 50 milliliters to 4 liters and may be operated up to 10,000 psi and 350°C. Each reactor has a built in mixer with a magnetically coupled impeller for optimal combining conditions. All high pressure components are ASME rated, and protected by software “high alarms” and a rupture disc for safe operation. These laboratory bench top models are ideal for applications where repetitive use makes convenience a necessity, such as catalytic studies, polymerization, hydrogenation, oxidation, isomerization, and dehydrogenation. All sizes are supplied as ready-to-use instruments requiring only utility connections prior to operation. The HPR-Series are compact to easily operate in a fume hood. Their modular design makes it simple and cost-effective to alter the units’ basic configuration to adapt to new or evolving application needs.

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Supercritical Fluid Technologies

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