

Parker Autoclave Engineers

BTRS-JR[®]

Bench Top Reaction System

General Description

Parker Autoclave Engineers' **BTRS - Jr[®]** is a complete reaction system for vapor phase catalyst evaluation and continuous flow process analysis. The reactant preparation portion is capable of handling up to four inputs. Two inputs can be high pressure liquid pumps. The reactants are passed through an optional mixer/vaporizer assembly for blending and creating a single homogeneous, non-pulsating stream to be fed to the reactor.

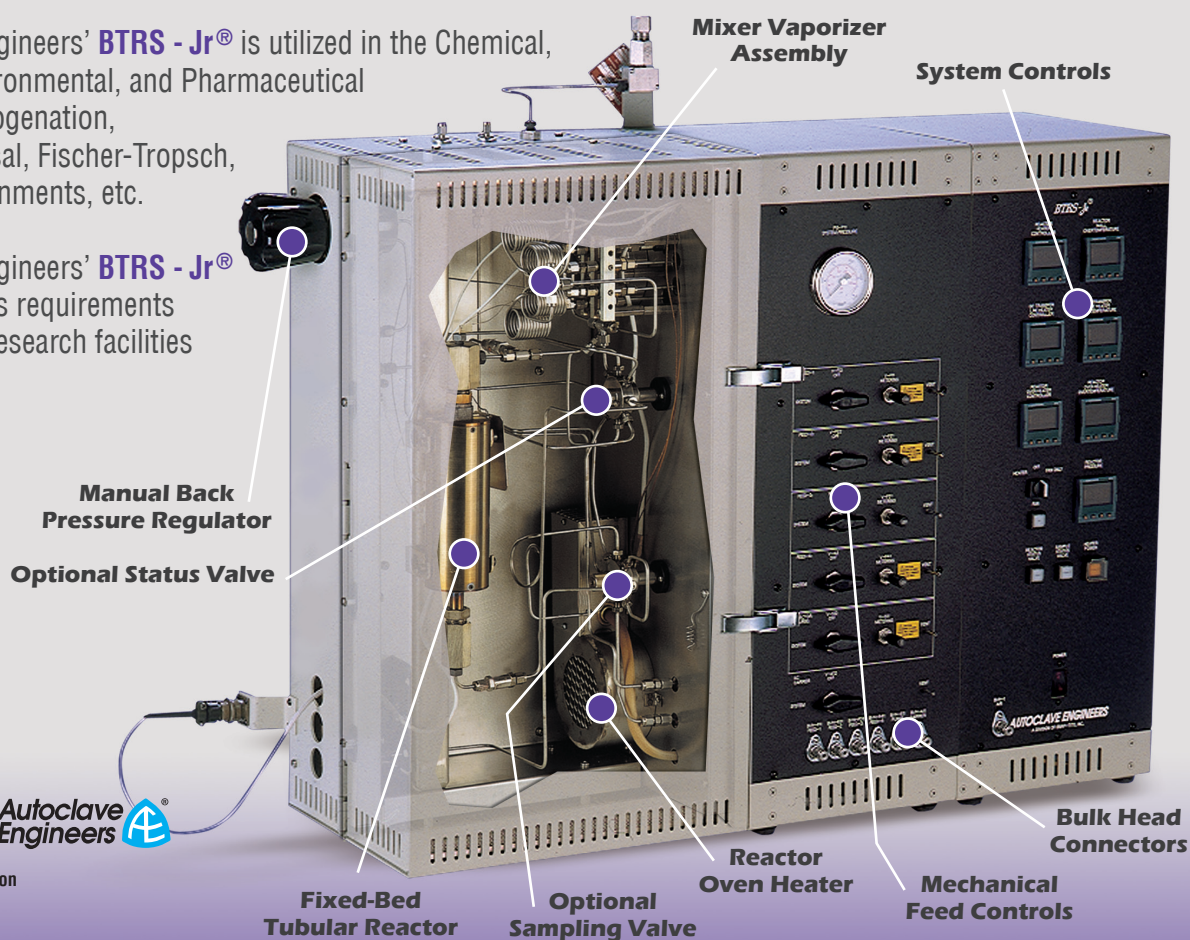
Summary

- Reactor Temperature up to 1832° F (1000° C) • System Pressure up to 4350 psi (300 bar)
- Reactor sizes of 5, 10, 20, 40, and 100 ml • Oven Temperature of 482° F (250° C)
- Components located in Oven: mixer/vaporizer, reactor, sample valve, status valve, back pressure regulator body, pressure transducer isolator.
- Feed Lines: 1/8" bulkhead, 7 micron filter, metering valve, 3-way valve for vent or online porting, and reverse flow check valve.
- Compression fittings for stainless steel tubing with 1/8" OD and 1/16" ID
- 200-240 VAC, 50/60 Hz, single phase, 20 Amp service required
- Contact factory for custom configurations

Applications

Parker Autoclave Engineers' **BTRS - Jr[®]** is utilized in the Chemical, Petrochemical, Environmental, and Pharmaceutical Industries for: Hydrogenation, Liquid Waste Disposal, Fischer-Tropsch, Fermentation Environments, etc.

Parker Autoclave Engineers' **BTRS - Jr[®]** facilitates tomorrow's requirements for University and Research facilities the world over.



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