



# Micro Batch System

**Designing  
and Building  
Laboratory  
Equipment  
for Over  
100 Years**



**A**re you working with expensive catalysts, dangerous reagents, or otherwise want to minimize the working volume of your reactions? Is rapid optimization of reaction conditions or simultaneous screening of multiple catalysts or conditions important to meet your deadline? If you answer yes to any of these questions, the Parr Micro Batch System (MBS) 2500 is for you.

Parr Instrument Company is pleased to introduce our smallest ever family of stirred reactors, available in a number of configurations. With reactor volumes of 5 mL or 10 mL, independent reactor gas filling, PID temperature control, and a choice of two closure styles, the flexibility of the MBS 2500 is sure to bring value to your small volume, high pressure project.

Based on the popular Parr MRS 5000, the MBS 2500 offers even smaller volume options, a smaller footprint, a stand-alone control and data logging system, and a lower per reactor price.

#### **Features of the Micro Batch System 2500 include:**

- Three reactors with 5 mL or 10 mL volume, available in stainless steel, high-nickel alloys, titanium, zirconium, and other exotic materials
- Small 10" x 10" (25 cm x 25 cm) footprint, with remotely located 4848-based controller for temperature/stirring control and pressure display.
- Standard 3000 psi (200 bar) @ 300 °C rating in T316 Stainless Steel
- Trusted Parr seal geometry employing either a captive PTFE flat gasket and screw cap with compression bolts, or a self-sealing O-ring with tool-free screw cap closure
- Standard head fittings to include safety rupture disc, pressure transducer, inlet/vent valve, and internal thermocouple
- 3-valve inlet manifold for control of gas addition
- Common aluminum block heater with PID control
- Individual reactor temperature monitoring
- Individual reactor pressure monitoring
- Common stirring speed via individual PTFE- or Pyrex-encapsulated stir bars



**Let Us Build One for You.**