PRODUCT DATASHEET

Micro Multi-Reactor System, 6 to 24 Vessels

6 to 24 small parallel reactors of 10 to 100 mL for catalyst and process screening

Product page





Close-up: vessel block and gas manifold

OVERVIEW

The Tech Inc. Micro Multi-Reactor System, 6 to 24 Vessels screens catalysts and conditions many at a time. Six to twenty-four small vessels of 10 to 100 mL sit in a heated block or individual heaters, each with its own stirrer, temperature control and pressure measurement, and a common gas manifold fills and vents them, so a week of single-reactor runs becomes one day.

TYPICAL DESIGN DATA

Vessels	6 to 24, about 10 to 100 mL
Pressure	To about 200 bar
Temperature	To about 300 °C
Codes and standards	Pressure parts designed with a safety factor; electrical to IEC 61010-1
Materials	316 stainless or C-276
Measurement	Temperature and pressure per vessel
Software	Recipes, logging and gas-uptake plots

MODELS AND CAPACITIES

- **TI-MMR-6** – 6 vessels, 25 to 100 mL
- **TI-MMR-12** – 12 vessels, 25 to 50 mL
- **TI-MMR-24** – 24 vessels, 10 to 25 mL
- **TI-MMR-6I** – 6 vessels, individual temperature

Indicative vessel count and size.

ORDERING CODE

Example **TI-MMR-12-C**: **12** vessels: 6, 12, 24, 6I; **C** material: S 316, C C-276.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: individual temperature control; liquid sampling; glove-box version; extra vessel sets.

KEY ADVANTAGES

- **Many at once** – 6 to 24 vessels
- **Comparable data** – same manifold and logging
- **Little material** – 10 to 100 mL
- **Gas uptake** – per vessel

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