PRODUCT DATASHEET

Standard High-Pressure Reactor Range, 100 mL to 20 L

Stocked stirred reactors from 100 mL to 20 L with set ratings, one controller and model codes

Product page





Close-up: magnetic-drive head and controller

OVERVIEW

The Tech Inc. Standard High-Pressure Reactor Range, 100 mL to 20 L turns our reactors into a range you can choose from a table. Each size has a set pressure and temperature rating, a choice of 316 stainless, C-276 or Alloy 625, a magnetic-drive stirrer and the same touch-screen controller, so a laboratory can order by model code.

TYPICAL DESIGN DATA

Volumes	100 mL to 20 L
Ratings	About 70 to 200 bar and 250 to 350 °C by size
Materials	316 stainless, C-276 or Alloy 625
Codes and standards	Vessels designed and tested with a safety factor at rated conditions; electrical to IEC 61010-1
Stirring	Magnetic drive, about 50 to 1,500 rpm
Controller	One touch-screen controller across the range, with logging
Stock	300 mL and 600 mL sizes in 316 kept in stock

MODELS AND CAPACITIES

- **TI-SRR-300** – 300 mL, about 200 bar and 350 °C
- **TI-SRR-2000** – 2 L, about 150 bar and 300 °C
- **TI-SRR-20000** – 20 L, about 70 bar and 250 °C
- **TI-SRR-600** – 600 mL, about 200 bar and 350 °C
- **TI-SRR-5000** – 5 L, about 100 bar and 300 °C

Indicative volume and rating.

ORDERING CODE

Example **TI-SRR-600-316-B**: **600** volume, mL; **316** material: 316, C276, 625; **B** heater: B band, K block, J jacket.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: PTFE or glass liner; sampling dip tube and valve; gas burette; spare seal kit.

KEY ADVANTAGES

- **Choose from a table** – set ratings and model codes
- **Fast** – common sizes in stock
- **One controller** – across the range
- **Common spares** – seals, impellers, liners

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Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

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