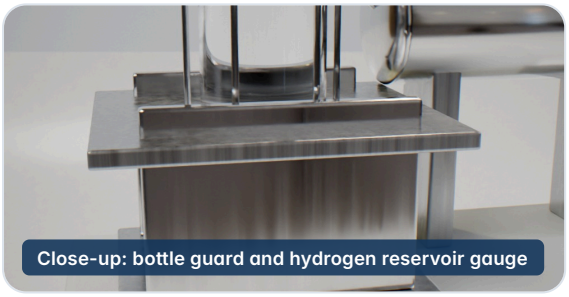
PRODUCT DATASHEET

Shaker Hydrogenator

Bottle shaker hydrogenators for catalytic hydrogenation at low pressure

Product page





Close-up: bottle guard and hydrogen reservoir gauge

OVERVIEW

The Tech Inc. Shaker Hydrogenator runs catalytic hydrogenations at low pressure in a simple, robust way. The reaction mixture and catalyst sit in a thick-walled bottle inside a steel guard; the bottle is connected to a hydrogen reservoir and shaken by a motor-driven cradle, and the fall in reservoir pressure shows how much hydrogen has been taken up.

TYPICAL DESIGN DATA

Pressure	To about 4 bar (60 psi)
Bottle	About 250 or 500 mL, thick-walled glass in a steel guard
Reservoir	Steel hydrogen reservoir with gauge
Codes and standards	Electrical to IEC 61010-1; pressure parts tested at the rated pressure
Shaking	Motor-driven, adjustable
Safety	Relief valve and guard
Options	Heating and digital pressure logging

MODELS AND CAPACITIES

- **TI-SHH-250** – about 250 mL bottle
- **TI-SHH-2X** – two bottles
- **TI-SHH-500** – about 500 mL bottle
- **TI-SHH-D** – digital logging

Indicative bottle size.

ORDERING CODE

Example **TI-SHH-500-D**: **500** bottle size, mL; **D** options: D digital, H heated, N none.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: spare bottles; heating jacket; digital logging; second bottle station.

KEY ADVANTAGES

- **Simple** – few parts to maintain
- **Safe** – guard and relief
- **Uptake visible** – reservoir pressure
- **Optional logging** – digital pressure

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