Bench-top Reactor

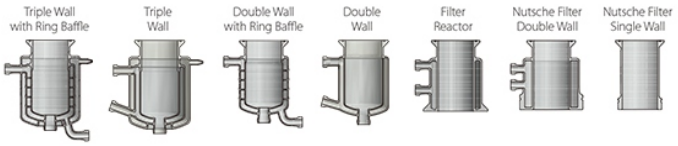
Benchtop Reactor is built for top performance at lab-scale and has been engineered to provide a great user experience.

Our Benchtop Reactor is a compact system with interchangeable vessels (300 ml to 5 L) and is suitable for placing in a fume hood. Various vessel options and accessories allow you to choose exactly what you need for your process.

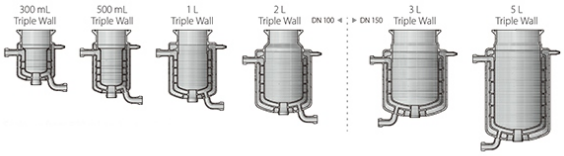
General specifications

Vessel capacity	:	300 mL, 500 mL, 1 L, 2 L, 3 L and 5 L
Vessel type	:	Double wall or triple wall
Operating pressure	:	Full vacuum to atmospheric pressure
Operating jacket pressure	:	Up to +0.5 barG (0.05 MPa)
Operating temperature	:	-90 °C to +230 °C
ΔT - Thermal shock resistance	:	110 °C (double wall), 60 °C (triple wall)

1 Variety of Vessel Options



2 Interchangeable Scale-up



3 Impeller Options

4 Leak-proof Flush Valve

Bench-top Reactor

5 Insulated Flexible Hose

6 Hose Support Clamp

7 Compatible with all brands

Overhead Stirrer

heidolph IKA VELP SCIENTIFICA

Thermal Control Units

huber PolyScience ThermoFisher SCIENTIFIC LAUDA Julabo

8 Bench-top Filter Reactor

Reaction + Filtration = Filter Reactor

Benchtop Filter Reactor is a compact system that integrates the functionality of a reactor and a filter in one system at a benchtop scale. The result is a seamless workflow for crystallisation processes. Our Benchtop Filter Reactor performs synthesis of crystalline products and subsequent filtration/washing cycles and its full jacket design allows reactions to happen efficiently due to excellent thermal transfer.

Filtration is assisted by either vacuum or gravity, and the resulting product cake can be dried under vacuum. A quickly removable filtration part makes it easy to collect wet product cake or dried powder, change the filter cloth, and clean the filter. The filter membrane/cloth can be chosen based on your process need.

Improve Control, Capture, Reporting

RX-10™ – Reactor Control and Capture

RX-10 combines the familiar METTLER TOLEDO reactor control touchscreen with various plug-and-play interfaces to control and monitor results from a broad . range of jacketed lab reactors.