

MULTILAB

Laboratory vacuum mixer homogeniser

The MULTILAB enables laboratory development (in conjunction with the TURBOTEST) of products in small quantities (3000 ml) for industrial scale-up.

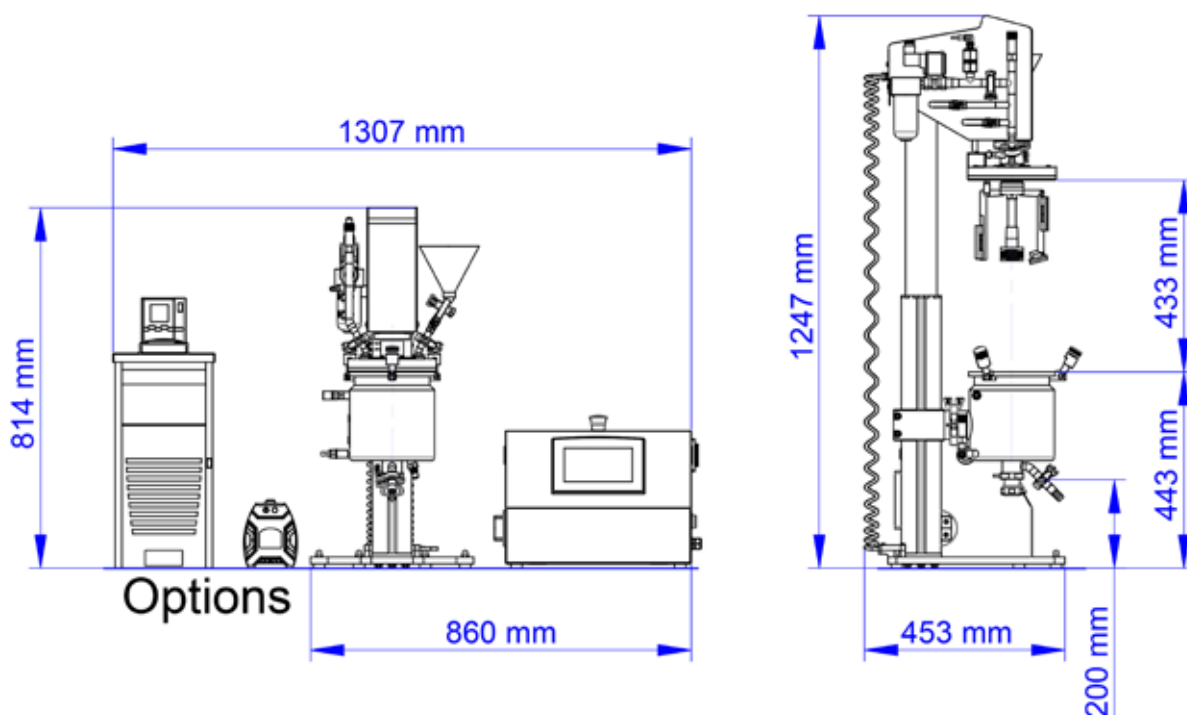
Functions

- Top mounted double-agitation with individual speed variation
- Homogeniser for the production of emulsions, dispersions and dissolutions
- Anchor mixer with scrapers for optimal heat transfer
- Electric raising & lowering of mixing head
- Vacuum operation with regulator based on a setpoint value
- Manual control of positive air pressure
- Color operator touch screen
- Removable bowl, no tools required, equipped with a PT100 temperature probe



Main features

- Maximum batch size: 3000 ml
- Minimum batch size without homogeniser: 500 ml
- Minimum batch size with homogeniser: 800 ml
- Maximum double jacket pressure: 1 bar
- Central movement agitation
 - Top mounted emulsifier with removable head (from the TURBOTEST range)
 - Variable speed from 50 to 5000 rpm - Power: 400 W
- Peripheral movement agitation with bi-directional rotation
 - Stainless steel anchor blade, PTFE scrapers easily removed without a tool
 - Variable speed from 10 to 250 rpm - Power: 200 W
- Weight: approx. 70 kg



Safety

- Start-up not possible with head in raised position
- Start-up not possible unless bowl is in place

Services

- Power supply:
 - 230 V single phase - 50 Hz (standard)
 - 110 V single phase - 60 Hz (on request)
- Maximum power: 600 W (without options)
- Equipment supplied with a 10/16 A plug, single phase, 2-metre cable

EC conformity

- Machinery Directive 2006/42/EC
- UL for components in the 110V-60Hz version

Options

- UL for components in the 110V-60Hz version
- Heating and cooling unit for regulation based on product temperature
- Heating and cooling unit for regulation based on double jacket temperature
- Vacuum pump
- Heat insulated tank
- Deflocculator
- 4 blade mixer

