

PMMA FERMENTATION BOTTLE WITH STIRRING DEVICE • DATA SHEET



Feature highlights

- ▶ **Absolute gas-tight by magnetic coupling between stirring motor and stirring blade**
- ▶ Various bottle sizes: 0.5 / 1 / 2 ltr – custom sizes on request
- ▶ High breaking strength by PMMA material (no fragile glass gas outlet nozzle)
- ▶ Incl. stirring blade ...
 - ▶ Type A (standard): Suitable for media with medium viscosity and small to medium size solid materials
 - ▶ Type B (optional): Suitable for media with high viscosity and fibrous solid materials
 - ▶ Type C (optional): Suitable for media with low viscosity and low amounts of solid materials
- ▶ Custom stirring blades available
- ▶ **Not suitable for use in a water bath due to corrosion of the step motor**



Type A



Type B



Type C

Technical Data

- ▶ Stirring speed adjustable from 1 to 30 r/min
- ▶ Clocked stirring 1 min / 1 min
- ▶ Suitable for media with low and high viscosity ($\leq 450 \text{ mm}^2/\text{sec}$)
- ▶ Temperature range: 10 – 55 °C
- ▶ Max. pressure: 100 mbar
- ▶ Material fermentation bottle: PMMA crystal-clear
- ▶ 2 connection ports: 1 x gas outlet, 1 x purging of heads space or sample taking, PVDF screw-type tube connection for tube \varnothing_i 4mm, \varnothing_o 6 mm
- ▶ Incl. PVC Connection tube (Rauclair) \varnothing_i 4mm, \varnothing_o 6 mm, 1,5 m

Dimensions of Fermentation Bottles

0.5 ltr	H 170 mm x D 105 mm	Weight 1.0 kg
1.0 ltr	H 250 mm x D 105 mm	Weight 1.1 kg
2.0 ltr	H 390 mm x D 105 mm	Weight 1.4 kg

Dimensions of Stirring Blades

0.5 ltr	W 73 mm x H 45 mm
1.0 ltr	W 73 mm x H 125 mm
2.0 ltr	W 73 mm x H 285 mm

Cleaning

Please remove the Stirring Unit from the PMMA Fermentation Bottle before cleaning the bottle.

The Fermentation Bottles can be cleaned with commercially available cleaning products and are dishwasher safe (max. 60 °C / 140 °F).

Please do not use: organic substances, benzene, ethanol, alcohol, any benzene-containing petrol/gasoline, any dilution of synthetic resin

V 2.0 / Rev. 2020-01-30 / Subject to alterations.

The most recent version of this data-sheet can be found at <https://www.ritter.de/en/data-sheet/pmma-fermentation-bottle-with-stirring-device/>

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