

SB-1 Homogenizer

Silent Brushless Digital Homogenizer

- Maintenance free drive
- Low noise and smooth operation
- Digital display and variable speed control
- Perfect for clean room applications
- Technology that reduces particle environment
- 0.05 ml – 1.5 L volume range and viscosity up to 5,000 mPas
- Can be used with different probes, 5mm - 20mm diameter
- Includes 9 X 7 inch post mounted stand assembly
- Made in the USA with a 2-year warranty

This SB-1 Homogenizer's brushless motor guarantees numerous years of maintenance free operation as it has no carbon brushes, so it runs cleaner and quieter. This allows end-users to operate without ear plugs or without the annoyance of louder noise heard from brush type homogenizers. The SB-1 Homogenizer's brushless design makes it ideal for processing volatile organic compounds.

SPECIFICATIONS

Volume Processing Range:	0.05ml –1.5L*
Power Rating	150 Watt Brushless Motor
RPM Range:	0 –16500 RPM
Noise Rating:	55 dB
Weight With Stand:	17 lbs / 7.71 kg
Dimensions With Stand:	9.5 x 7 x 25 in (w x h x d) 24.13 x 17.78 x 63.5 cm (w x h x d)

ITEM NO. DESCRIPTION

01-01370	SB-1 Silent Brushless Digital Homogenizer with Stand Assembly, 120V
01-02370	SB-1 Silent Brushless Digital Homogenizer with Stand Assembly, 220V

*Maximum volume equivalent to H₂O. The higher the viscosity of the sample, the lower maximum processing volume.



Maintenance free smooth operation

The SB-1 Homogenizer can be used for disruption of tissue samples in biotechnology, sample preparation in medicine, enzymatic treatment in the food industry as well as various applications in pharmaceutical, cosmetic, paint, petro chemical, and other industrial applications.

PRO Scientific Generator Probes

- Made from 316 Stainless Steel and PTFE
- Quick Connect Design for Ease of Use and Safety
- Disassemble and Reassemble in Seconds
- Chemically Compatible with All Cleaning Methods

PRO Scientific Generator Probes are manufactured out of 316 stainless steel for the utmost in chemical compatibility. They are precision crafted with a very narrow clearance between the inner rotating shaft and outer tube/chamber, which allows for quick & effective sample breakdown as well as repetitive processing, meaning you will get the results you want each and every time.

Unlike many competitors that offer a 1 year warranty or no warranty on their probes, PRO Scientific Generator Probes have a double bearing design for strength & stability, providing better performance, safety, and longer product life, which allows for the 2 year manufacturer defect warranty on all PRO Scientific Generator Probes.

PRO Scientific Generator Probes are designed to be anti-foaming and are very easy to take apart and clean in-between samples; a simple unscrewing of the top set screw allows for disassembly in a few seconds. Appropriate cleaning procedures include chemically cleaning, autoclaving and flaming.

Complete replacement parts for the generator probes are available, thereby extending the life of this valuable piece of equipment. For tougher samples, saw-tooth generator probes are recommended.



These PRO Scientific Generator Probes may be used on other PRO Scientific Homogenizers.

Accessories for Benchtop Homogenizers		
Description	Details	Cat. No.
5 x 75mm Flat-Bottom Generator Probe	For 0.5–2 mL Tubes	02-05075
7 x 95mm Saw-Tooth Generator Probe	For 1.5–10 mL Tubes	02-07095
10 x 115mm Saw-Tooth Generator Probe	For 5–50 mL Tubes	02-10115
20 x 115mm Saw-Tooth Generator Probe	For 50 mL Tubes and Small Beakers	02-20115
20 x 200mm Saw-Tooth Generator Probe	For Medium–Large Beakers	02-20200