

The B-170 is a simple, easy to handle and has the ability to achieve quality results quickly. He has the speed and power to emulsify, suspend, cut and chop always to deliver accurate results. It has complete flexibility to hold it by hand, mounted to a pole or wall, with mounting plate or type H.

## Features



- The B- 170 is a rotor/stator type hand held tissue homogenizer which can rapidly dispersing, homogenizing, extractions, cell disruption, mixing, emulsifying, suspending samples in 0.1 - 50 ml of liquid or 1-250ml depending on the dispersing shaft. During operation, the suspended material is drawn into the core of the homogenizer by a rotor turning at up to 30,000 rpm. The material is repeatedly cycled through narrow slits in the stator where it is rapidly sheared and disintegrated by high shear mechanical action. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is usually achieved in a few seconds. Little, if any, heat is produced during the process.



## Specifications

model	B-170-A	B-170-B
Voltage/ Frequency	220-240V/50-60Hz	
Power input/output(W)	120Watt	
speed range(rpm)	1000-35000rpm	
Rotor speed(m/sec)	5-10m/sec	
Speed Setting	6 speeds	
Range(ml,H2O)	0.2-50ml (Shaft B-170/5)	30-150ml(Shaft B-170/10)
Max viscosity(mPas)	2,000mPas	
Material	stainless steel PTEE	
Weight(kg)	0.6kg	
Dimensions(mm)	55mmx46mmx185mm	
noise emission(drive only)	72dB(A)	
Operating Environment	0-40°C , 85%rel.humidity	
Protection class	IP20	

## Options

Dispersing Shaft set	Model	Treatable Volume (H2O)/(ml)	Max linear velocity (m/sec)	Rotor diameter (mm)	Stator diameter (mm)	Min/max emersion depth (mm)
	B-170/5	0.2-50	5	4	6	10/55
	B-170/10	30-150	10	7	10	15/130