

MBI D160 Homogenizer



The MBI D160 Homogenizer can rapidly homogenize, disperse, and emulsify samples in 0.1 - 50 ml of liquid or 1-250ml depending on the generating probe. 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 probe where it is rapidly sheared and disintegrated by high shear. 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.

Features:

Use for mixing, emulsification, shredding, or chopping. Practical answer for small samples. Easy to hold and light weight for one hand operation. Generators are made of 316 L Stainless Steel with Teflon bushings. Autoclavable stainless steel shafts. Inert to aggressive solutions. All shafts are interchangeable shafts and are easily removed for cleanup. High speed motor. Speed control from 8,000 to 30,000 rpm. Suitable for solvents & abrasive substances.

Specifications:

Working Volume (ml):	0.1 - 250ml
Operating Environment:	0-40°C, 95% rel. humidity
Motor type:	Universal motor, 130 Watt
Voltage / Frequency:	110V/60Hz
Certified standards:	89/336EEC, 72/023/EEC, EMC acc. IEC/EN 61000-6-2 / 3, Safety acc. IEC/EN 61010-2-51
Speed range (rpm):	8,000 - 30,000
Warranty:	2 years
Speed control:	6 position control dial
Noise emission:	< 54 dB(A) at 30,000 rpm
pH Range:	2-13
Dimensions (mm):	250L x 250W x 400H
Weight (kg)	1.6
Fineness, (µm)	Suspensions & Emulsion 10-15 & 1-10

Ordering Information:

Cat No.	Description
MBI74909090	MBI D160 Homogenizer Package, DS-160/5 5mm dia. generator, flat head-open slot, 50mm immerse length, H-370 stand, for solid/liquid media, volumes 0.1-50ml, 110V, 60Hz
MBI74909190	MBI D160 Homogenizer Package, DS-160/10 10mm dia. generator, flat head-open slot, 115mm immerse length, H-370 stand, for solid/liquid media, volumes 1- 250ml, 110V, 60Hz

