D-160 Handheld Homogenizer



Features

- Portable, lightweight with ergonomic design ideal for manual operations
- Processing volumes from 0.1-50mL or 1-250mL
- Variable speed from 8,000 to 32,000 rpm
- 316L stainless steel shafts are fully autoclavable
- Interchangeable shafts for easy dismantling and cleaning

Applications

Designed for rapidly homogenize, emulsify, suspend and disrupt biological samples like tissue of animal, bacteria, yeast, plant samples, etc. in liquids. Ideal for samples from 0.1mL to 250mL depending on shaft chosen.

Technical Parameter

Model	D-160
Speed range	8000-32000rpm
Max linear velocity	6.3、10、14 m/sec
Speed level	10 stage
Working volume [H20]	0.1-50mL (Dispersing shaft DS-160/5)
	1-150mL (Dispersing shaft DS-160/7)
	1-250mL (Dispersing shaft DS-160/10)
Max. viscosity	5,000mPas
Material of Dispersing Shaft	SS 316L stainless steel, PTFE
Noise Level	72 dB(A)
Protection class	IP20
Voltage,Frequency	110-120V/60Hz220-240V/50-60Hz
Power	160W
Motor Type	AC carbon brush motor
Dimension [WxDxH]	45mm x 55mm x 190mml
Permissible ambient temperature and humidity	0-40°C, 85%RH

DS-160/5	DS-160/7	DS-160/10
Volume 0.1-50mL	Volume 1-150mL	Volume 1-250mL
Max. Circum. Speed 6.3m/sec	Max. Circum. Speed 10m/sec	Max. Circum. Speed 14m/sec
Material: 316L stainless steel	Material: 316L stainless steel	Material: 316L stainless steel
Application: small amounts of solid liquid mixed	Application: small amounts of solidliquid mixed	Application: small amounts ofsolid liquid mixed
Function: dispersing tool for solid/liquid media	Function: dispersing tool forsolid/liquid media	Function: dispersing tool forsolid/liquid media