

BR SERIES HIGH SPEED HOMOGENIZER



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BR high speed dispersing homogenizer is driven by compact series excited micro high speed motor, which is suitable for crushing experimental materials in liquid in laboratory further dispersion and homogeneity in the medium. It is composed of high density die-casting aluminum alloy as the driving machine, high quality stainless steel refined dispersive homogeneous working head and speed regulating machine stand. It has the characteristics of high driving speed, high output power, convenient loading and unloading of working head and easy operation of experiment.

FEATURES:

- The driving motor adopts series micro-motor with large output power and compact structure, which is safe and reliable in design.
- All parts of working head contacting materials are made of high quality stainless steel with good corrosion resistance.
- The working head is connected with the driving motor by a coupling, which is easy to disassemble and assemble.
- The stepless governor was used with the speed regulating frame, which is convenient for speed regulation and stable operation.



TECHNICAL PARAMETERS

MODEL NO.	BR-200	BR-200-HS	BR-300-HS
Item No	1004003001	1004004001	1004005001
Speed range(r /min)	300~23000	300~23000	300~18000
Capacity(ml)	30~1500	30~1500	100~13000
Input power(W)	280	280	510
Output power(W)	200	200	300
External dimension(mm)	325*225*647	315*200*780	315*200*780
Working head configuration(mm)	Φ12 ,Φ18	Φ12 ,Φ18	Φ28, Φ36
Working methods	Intermittent	Intermittent	Intermittent
Power supply	AC 220 V 50 Hz	AC 220 V 50 Hz	AC 220 V 50 Hz
Rated torque(N. cm)	83	68	68

WORKING HEAD PARAMETER

Work head				
Item No	20040005	20040006	20040007	20040008
Working head specification	12G	18G	28G	36G
Capacity(ml)(H2O)	30~800	50~1500	100~8000	150~13000
Suitable for viscosity(mPa·s)	1000	2000	6000	7000
Rotor linear velocity(s/m)	11	15	19	27
Invasion liquid height(mm)	25/85	30/120	60/155	60/160
Stator diameter(mm)	Φ12	Φ18	Φ28	Φ36
Working head length(mm)	150	190	235	240
Ambient temperature(°C)	120	120	120	120
Working head materia	SS304	SS304	SS304	SS304
Working head bearing material	PTFE	PTFE	PTFE	PTFE

BR BIOCHEM LIFE SCIENCES PVT. LTD.

06, S.F. Gopal Nagar , Fateh Nagar, New Delhi-110018 ,India

Ph: +91 11 43033662/4, +91 8860082777

EMAIL: info@brbls.com | www.brbls.com



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