

Dispersion Machine | X-Series

X2000 batch disperser, 500W motor, compact and exquisite design, wide speed range of 3,500–30,000 rpm, Volume Range from 0.5ml to 4,500ml sample liquid. Equipped with a load constant speed and overheat protection system, it can efficiently, safely and reliably complete operations such as dispersion, homogenization, emulsification and mixing, and ensure the high repeatability of experimental results. It is a classic device in the fields of laboratory analysis, quality control and sample preparation.

X2000 Batch Disperser

Compact Design | Precise Constant Speed | Laboratory Benchmark



Outstanding Quality

- High-performance motor, powerful, efficient and more durable
- Low excitation impedance, low heat generation during long-term operation
- Compact structure and light weight, only 1.2 kg

Speed

- Load constant speed tech, dynamic viscosity compensation for stable speed
- Wide speed range for low & high-speed homogenization

Safety

- Soft start ensures smooth start-up and motor protection
- PTC temperature monitoring, motor overheat protection, safe and reliable
- ClickLock quick-plug interface makes it convenient and fast to install tools

Dispersion Tools

- 50 types of tools to meet the needs of diverse samples (standard /serrated /fiber /turbulent /emulsified , etc.)
- Specially made Polyflon™ PTFE shaft sleeve, excellent wear resistance and chemical stability
- Resistant to chemical, steam and dry heat sterilization

Quality Assurance

- CE certification; 3-year warranty

Batch Dispenser | X2000



Project Name	Technical Data
Model	X2000
Order Number	22263.02
Drive Motor	Carbon Brush
Input/Output Power	500/300W
Speed Range	3500~30000rpm; 6th Gear
Speed Display	Scale Indication
Governor	Microprocessor
Soft Start	Support
Overheat Protection	Support
Overload Protection	Support
Volume range(H ₂ O)	0.5~4500ml
Maximum Viscosity	5000mPa.s
Maximum Line Speed	26m/s
Blade Diameter	∅ 5, 7, 10, 12, 14, 18, 20, 25mm
No-load Noise	78dB (A)
Sample-contacting Material	AISI 316L/PTFE
Contact with Sample Solution PH	2~13
Processing Type*	Batch/Continuous Type
Arm Diameter	∅ 13mm
Arm Length	210mm
Dimensions (Driver)	58 × 58 × 238mm
Weight	1.2kg
Working Environment	5~40°C, ≤ 85%RH
Rated Voltage	AC 220~240V, 50/60Hz
Protection Level	IP 20
Warranty Period	3 Years

*Optional flow device: continuous sample processing



Pharmaceuticals



Biology



Food



Chemical Coatings



Daily Chemicals



New Material



New Energy

Batch Dispenser | X2000 Accessories

Drive

Order Number	Description
22263.02	X2000 driver, AC230V, 50/60Hz, 500W; includes main unit, arm, wrench, manual, warranty card, certificate



Standard Set

Order Number	Description
21205.02	X2000 driver: T14W serrated tool, STL2 double-rod stand, DC150 container clamp, SR2 safety ring
21212.02	X2000 driver: CT20/S20W serrated tool, STL2 double-rod stand, DC150 container clamp, SR2 safety ring



Dispenser Stand

Order Number	Description
170210	STL2 double-rod stand: L-shaped, AISI316L/aluminum, L200 × W310 × H600mm
170220	STH2 double-rod stand: H-shaped, AISI316L/aluminum, L300 × W340 × H600mm
271131	eST3 electric stand: lifting range 325–545mm, L290 × W410 × H600mm



Accessories

Order Number	Description
273031	DC150 universal clamp: nylon strap, clamping range Ø 50–150mm, for beakers/flasks
175020	SR2 safety positioning ring: stainless steel, fits double-rod stand
174015	LP15 container lift: 150 × 150mm, stainless steel, with anti-slip pad
174020	LP20 container lift: 200 × 200mm, galvanized steel, with anti-slip pad
174030	LP30 container lift: 300 × 300mm, stainless steel, with anti-slip pad



Retain technical modifications
 More accessories available at our website: www.disrad.com