

X4000 batch disperser is equipped with a 1800W high-power motor and has a maximum Volume range of up to 40L. It is specially designed for strict laboratory research and development as well as small-batch production. The dispersion tools with a double-bearing design operates more stably. It combines outstanding driving performance and durability, easily completing various fine process operations such as dispersion, homogenization, emulsification, suspension and mixing. It is a reliable and efficient solution for researchers and engineers.

X4000 Batch Disperser

High Power | Proprietary Wear-resistant Tools | Preferred for Massive Processing



Outstanding Quality

- High-performance motor, powerful, efficient and more durable
- Low excitation impedance, low heat generation during long-term operation

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

- 40 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 (excluding ball bearings)

Quality Assurance

- CE certification; 3-year warranty

Batch Dispenser | X4000



Project Name	Technical data
Model	X4000
Order Number	22272.02
Drive Motor	Carbon Brush
Input/output Power	1800/1200W
Speed Range	2500~23500rpm; 6th Gear
Speed Display	Scale Indication
Governor	Microprocessor
Soft Start	Support
Overheat Protection	Support
Overload Protection	Support
Volume range(H ₂ O)	100~40000ml
Maximum Viscosity	6500mPa.s
Maximum Line Speed	40m/s
Blade Diameter	Ø25, 30, 35,45, 55,60mm
No-load Noise	75dB (A)
Sample-contacting Material	AISI 316L/PTFE
Contact With Sample Solution PH	2~13
Processing Type*	Batch/Continuous Type
Arm Diameter	Ø16mm
Arm Length	260mm
Dimensions (Driver)	104×95×330mm
Weight	5.1kg
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 Disperser | X4000 Accessories

Drive

Order Number	Description
22272.02	X4000 driver, AC230V, 50/60Hz, 1800W, includes main unit, arm, wrench, manual, warranty card, certificate



Standard Set

Order Number	Description
21413.02	X4000 driver, CBT25/S45S standard dispersion tool, eST3H+ electric stand
21426.02	X4000 driver, CBT25/S45E emulsifying dispersion tool, eST3H+ electric stand



Dispenser stand

Order Number	Description
170220	STH2 double-rod stand, H-type, material: AISI 316L / aluminum alloy, L300 × W340 × H600mm
271131	eST3 electric stand, lifting range: 325-545mm, L290 × W410 × H600mm
272120	eST3H+ electric stand, lifting range: 425-775mm, L350 × W400 × H800mm



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