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### 3L Capacity Small Planetary Mixer



This TOB-PXFZH-3L Small Planetary

Mixer is a high efficient equipment with a set of vacuum mixing and dispersion function together, it is suitable for lithium electricity experiment process for anode and cathode paste mixing process, and also other glue, chemical and other industries.

- Item No.:TOB-PXFZH-3L
- Order(Moq):1set
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN
- Lead Time:7days

## Product Detail

**1~3 liters Small Planetary Power Mixer with H-S Dispenser For Lab Research Equipment**

## SPECIFICATIONS

1 This TOB-PXFZH-3L Small Planetary Mixer is a high efficient equipment with a set of vacuum mixing and dispersion function together, it is suitable for lithium electricity experiment process for anode and cathode paste mixing process, and also other glue, chemical and other industries.

2 The vacuum planetary mixer is programmable in vacuum operation , raising or lowering , speed adjusting by the frequency inverter , temperature show/control , urgent stop , and so on

3 Thevacuum planetary mixer is excellent for preparing LiCoO<sub>3</sub>, LiFePO<sub>4</sub>, Phosphors and ceramic slurry without gas bubble. And the processed material results in the better dispersion and uniformity.

Small Planetary Mixer TOB-PXFZH-3L			
No.	Contents	Specs.	Note
1	Design capacity : 3.8 liters	Working capacity : 1~3 liters	
2	<p>Hood : Cover flange with o-ring in groove ;</p> <p>Register inside or outside hood to accurately locate and fix bowl in place ;</p> <p>Two sight glass viewing ports ; One vacuum connection with ball valve and one vacuum gauge .</p> <p>One solids charging port(chute) Ø40.</p>		
3	Mix bowl	Dia. 180×h.150	Mix bowl
		With jacket for water/oil at 90psig and 350F .	
		Four wheels on bowl bottom .	
		Two pull handles on bowl side .	
		No discharge valve on bowl bottom .	
4	Characteristics of mixing movement	<p>Two low-speed mixing blades and one H-speed disperser rotate on their own axis as they travel around the mix bowl interior ,</p> <p>in order to fully mix two or more materials together well .</p>	

5 - 1	Blade type	Standard supply	Quarter-twist blades / Removable	304 St. St.
		For spare		
5 - 2	H.-S. Disperser	Ø50 sheared blades on dispersing shaft		304 St. St.
6 - 1	Power motor 1 for agitating / scraping and planetary		0.75kw (e.g. 1.0HP)  --380v/3phase/50hz  --1500rpm	
6 - 2	Power motor 2 for H.-S. dispersing		1.1kw (e.g. 1.5HP)  --380v/3phase/50hz  --3000rpm	
7	Reducer : Cycloid pin type		BLY0-i=23 (S. Fa.=1.0)	
8 - 1	Self-agitating speed		0~64rpm (based on 50hz)	
8 - 2	Planetary / Scraping speed		0~52rpm (based on 50hz)	
9 - 1	Self-dispersing speed		0~5700rpm (based on 50hz)	
9 - 2	Linear velocity		0~16m/s (based on 50hz)	
1 0	Scraper arm		Removable	304 St. St.+ PTFE
1 1	Speed control		By frequency inverter(converter) .	

1 2	<p>a. Sealed planetary gearbox .</p> <p>b. 304 construction : gearbox exterior , hood , scraper arm .</p> <p>c. Vacuum construction up to -0.098Mpa , with vacuum separator pot ; Vacuum pump 2X-2.</p> <p>d. O-rings and seals in VQM or Viton (FPM) .</p> <p>e. H.-S. Bearings : FAG from Germany or NSK from Japan .</p>	
1 3	<p>Raising and lowering the bowl</p>	<p>By hydraulic lift by oil designed for 0.6~1.9MPa</p> <p>--Double action piston Ø50/32×250, 5MPa , Total 1 (one) pc .</p> <p>Power pack by power motor</p> <p>Stroke : appr. 250mm</p>
1 4	<p>Temp. show: A flush-mounted product temperature probe is required in the lower sidewall area of the bowl.</p> <p>It include a quick-release plug.</p>	
1 5	<p>Spare parts kit : O-rings , scraper , lip seals</p>	

**PRODUCT DISPLAY**

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