

R30

R30



110 W

220 V 50/60 Hz

X10 rpm

50 -- 2000 rpm

60 Ncm

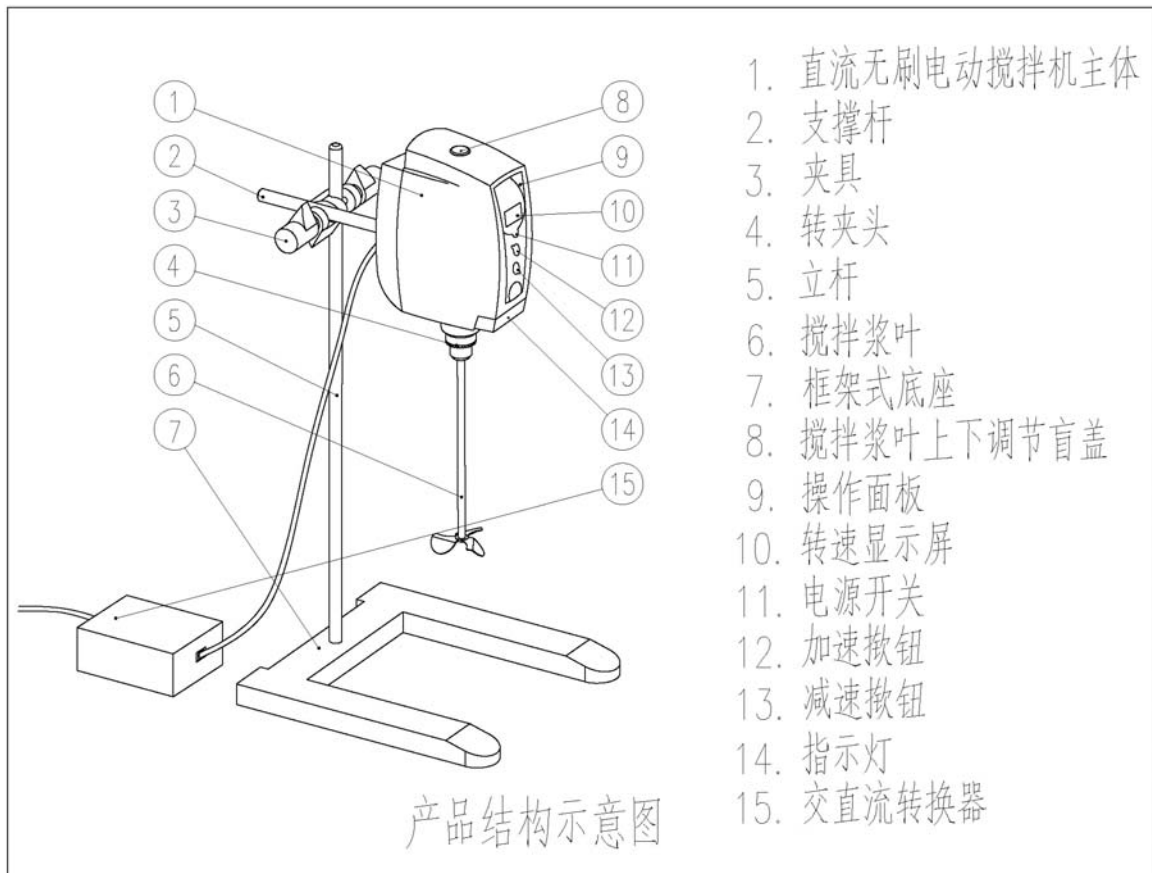
0.5---10 mm

H<sub>2</sub>O

10---30 L

0---40° C

80 %



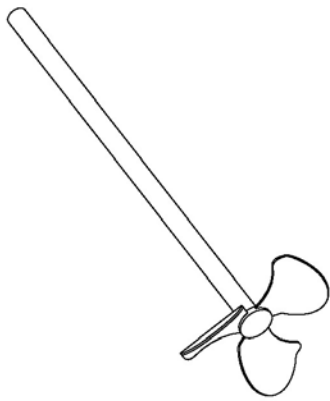
1				7		5
2			2	15		
3			3		5	
4	3			3		5
5			2		1	
	3			3		
						4
		6				
		8		6		1
			4		6	

1						
		11				
2				15		
		11		14		12
			13		10	
3						
		50 --- 2000rpm				
4				11	13	
						15
5						
						$\pm 5\%$
6						

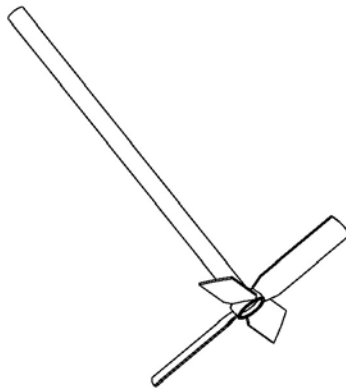




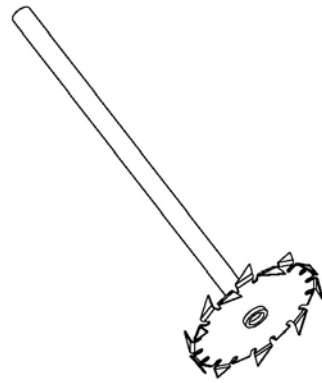
1	---		
2	---		
		40° C	
3	---		
			FLUKO
			---
1		---	
2		---	
3	---		
4	---		
5	---		
6	---		



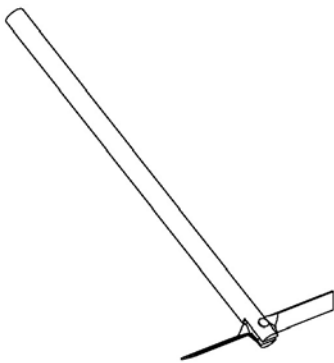
1. 三叶片螺旋桨式(标准型)



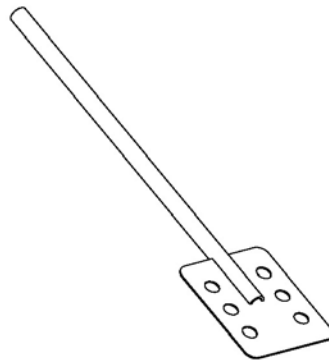
2. 四叶片螺旋桨式



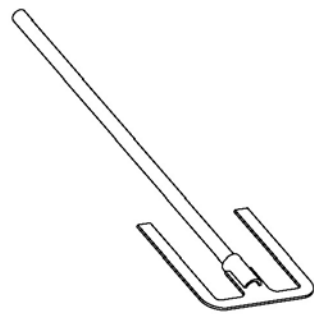
3. 溶解式



4. 离心式



5. 扇片式



6. 锚式

搅拌头图

1

FLUKO

FLUKO

2

3

4

a.

8008202190

b.

FLUKO

5

型号: Eumix-R30

品名: 实验室搅拌机

序号	名称	单位	数量	
1	搅拌机主体 (与支撑杆已装配好)	台	1	
2	交直流转换器(即电源)	套	1	
3	转夹头专用工具	件	1	
4	夹具	付	1	
5	立杆	根	1	
6	搅拌桨叶	根	1	
7	框架式底座	框竖臂	件	2
		框横臂	件	1
		GB70-85 M8X45 内六角螺钉	只	2
		销	只	2
8	M8 内六角板手 (底座装配用)	件	1	
9	中文说明书	份	1	
10	保修卡、合格证	份	各 1	



avoid personal injury.

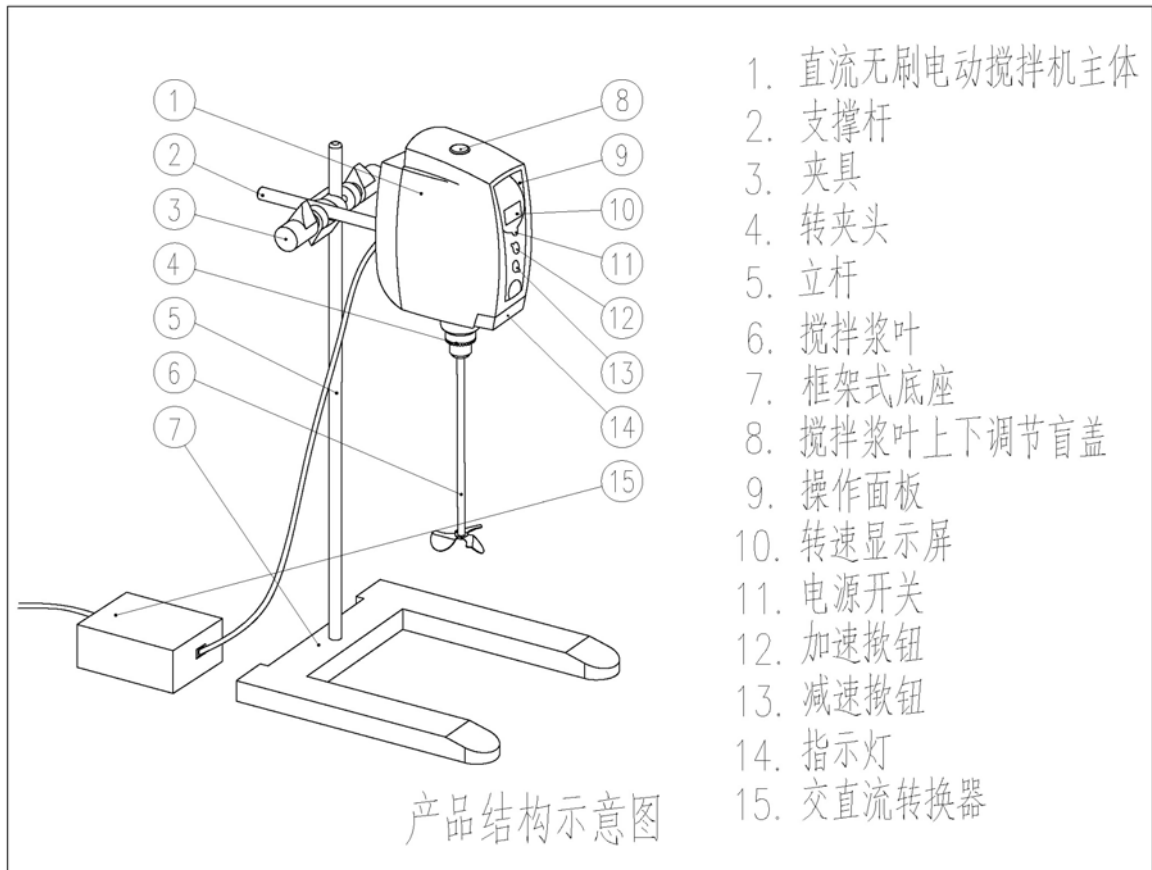
### Technical Parameters

Electric Motor Power	110 W
Voltage Requirement	220 V 50/60 Hz
Rotation Speed Display	Digital Display (X10rpm)
Rotation Speed Range	50 --- 2000 rpm
Rotation Speed Adjustment Mode:	Stepless Adjustment
Rotary Clincher Torison	60 Ncm
Rotary Clinching Range	0.5 --- 10 mm
Working Capacity H <sub>2</sub> O	10 --- 30 L
Working Environment Temperature	0 --- 40° C
Working Environment Relative Humidity	80 %



This unit is prohibited from operation in inflammable and explosion-prone environment. Install the unit on the base before operation. Handheld operation is forbidden

### Installation



1. 直流无刷电动搅拌机主体
2. 支撑杆
3. 夹具
4. 转夹头
5. 立杆
6. 搅拌浆叶
7. 框架式底座
8. 搅拌浆叶上下调节盲盖
9. 操作面板
10. 转速显示屏
11. 电源开关
12. 加速按钮
13. 减速按钮
14. 指示灯
15. 交直流转换器

### Product Structure Illustration

- |    |                                |                                  |
|----|--------------------------------|----------------------------------|
| 1  |                                | DC No-Brush Electric Homogenizer |
|    | Principle Part                 |                                  |
| 2  | Supporting Pole                |                                  |
| 3  | Clamp                          |                                  |
| 4  | Rotary Clincher                |                                  |
| 5  | Iron Pole                      |                                  |
| 6  | Stator/rotor generator         |                                  |
| 7  | Framework Type Base            |                                  |
| 8  | Generator Up/Down Movement Cap |                                  |
| 9  | Operation Panel                |                                  |
| 10 | Rotation Speed Display         |                                  |
| 11 | Power Switch(on/off button)    |                                  |
| 12 | Speed-up Button                |                                  |
| 13 | Speed-down Button              |                                  |
| 14 | Indicator                      |                                  |
| 15 | AC/DC Converter                |                                  |

## Installation Steps

- 1 Take the framework type base 7 out of package, fix the iron pole 5 tightly to the base, then screw on the nut.
- 2 Take supporting pole (2); fasten it tightly with M5 hexagonal screws on the back of the unit.
- 3 Set clamp(3) to the iron pole 5 ; at proper height , screw tight one end of the clamp to fasten clamp 3 tightly to the iron pole 5 .
- 4 Raise the principle part of the unit 1 with supporting pole 2 set the supporting pole to clamp 3 screw tight another end of the clamp 3 to fasten the unit.
- 5 According to different operation situations, turn loose the rotary clincher 4 with special tools to adjust generator(6) to a proper height. If necessary, remove the generator up/down movement cap 8 to let the generator 6 penetrate through the principal part 1 reaching the needed height for convenient change of vessels. Screw tight rotary clincher 4 to fasten the generator 6 tight.

## Operation and Cautions:

- 1 Before starting, check whether the rotation speed button is at the lowest rotation speed status and whether the power switch(on/off button) 11 is off.
- 2 Plug the AC/DC converter 15 into the power socket consistent with the power requirement of the unit put the pin-shape plug into the jack on the back of the unit, turn on the power switch(on/off button) 11 and the indicator 14 will be lighted. Observing the rotation speed appears on the rotary speed display 10 , gradually adjust the speed-up button 12 and speed-down button 13 to the desired speed.
- 3 Rotation speed 50--2000rpm can be adjusted according to the viscosity of material. Generally,

Lower viscosity materials require higher rotation speed.

- 4 After work is done, adjust speed-down button 13 to slowdown the generator to the lowest rotation speed status. Turn off power switch 11 and unplug the power supply of AC/DC converter.
- 5 Fluctuations of working voltage of the unit should never exceed 5%. It is recommended that a voltage regulator be installed if fluctuations are too big.
- 6 With electronic components installed within the unit, please handle carefully and keep clean.



The unit is strictly prohibited from empty running, as this may cause damage.



Do not operate before the generator is put inside the vessel to avoid personal injury to the operator. To ensure safety, it is recommended that operator wear safety helmet to avoid hair being entangled. Please establish and follow strictly safety operation procedures in accordance with relevant state electronic works safety standards for human and equipment.

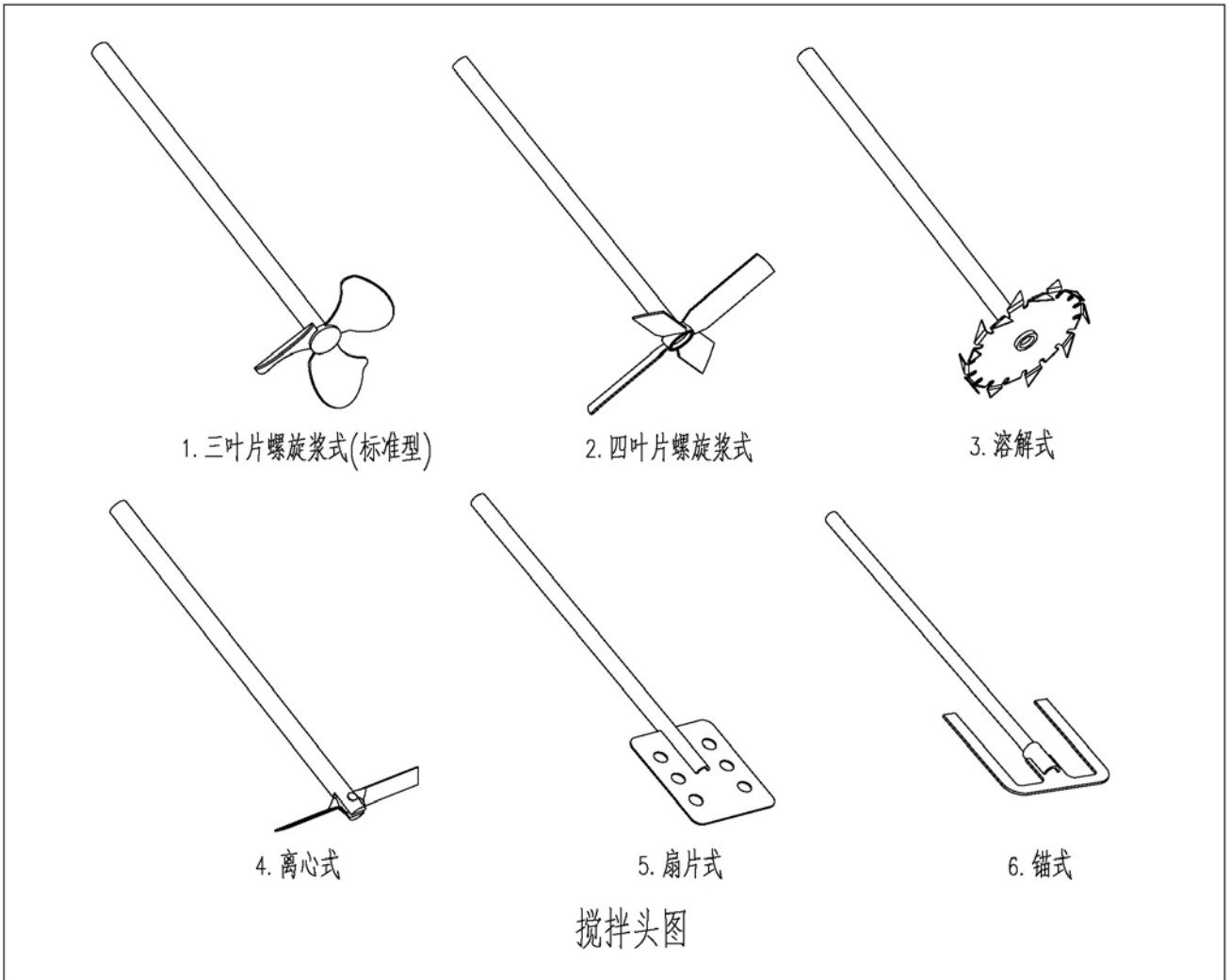
#### Maintenance and Malfunction Analysis

- 1 Cleaning---The part of generator contacting the material including dispersing head should be cleaned timely after each operation for next use.
- 2 Storing---The unit should be kept away from moisture and direct sunlight. The unit should be operated and kept in place with ambient temperature no more than 40° C.
- 3 Malfunction Analysis---If the electric motor cannot start, first check whether the power supply plug and connection are proper. If malfunction still exists,

please contact FLUKO After-Sales Service in Shanghai .

#### Available Generator Dispersing head Types---See Generator Illustration

- 1 Three-Leaf Propeller Type (Standard Type) --- make the material flow from upper axis to lower axis with small cutting force. It is for medium or high rotation speed operation.
- 2 Four-Leaf Propeller Type --- make the material flow from upper axis to lower axis with topical cutting force. It is for medium or high rotation speed operation.
- 3 Solution Type --- Produce material radial flow at both upper axis and lower axis to form strong turbulence and strong cutting force to ground the granules in the liquids. It is for medium or high rotation speed operation.
- 4 Centrifuge Type --- The two leaves will expand with the increase of rotation speed; it is suitable for vessels with narrow openings. The mixing performance is similar to that of four-leaf propeller type. It is for medium or high rotation speed operation.
- 5 Fan Blade Type --- Produce tangential flow and small turbulence with good heat exchange performance. It is used for gentle mixing cases. It is for medium or low rotation speed operation.
- 6 Anchor Type --- Produce tangential flow with high cutting rate at edges, making it hard for material deposits on the inner wall of the vessel. It is for low rotation speed operation. Used in polymer reactions and the dispersing of minerals in liquids, it is an ideal mixing components for medium and high viscosity liquids.



### Generator Figure

1. Three-Leaf Wnd Sti ck Type (Standard Type)
2. Four-Leaf Wnd Sti ck Type
3. Sol uti on Type
4. Centri fuge Type
5. Fan Bl ade Type
6. Anchor Type

## After-Sales Service

- 1 FLUKO Company provides free maintenance service during the warranty period (one year since the purchasing day). However, if it is proven that the malfunction is caused by the improper operation or intended damage on the buyer's part, FLUKO Company will be free of any obligations arising from it.
- 2 Warranty card should be submitted while delivering the unit for maintenance.
- 3 Disassemble the unit without noticing FLUKO Company or Dismantle parts not to be dismantled as listed in the Operating Manual will be regarded as intended damage.
- 4 When deliver the unit for maintenance, send it back to our After-sales Service (Toll free service hotline: 800-820-2190) or take the unit to the local FLUKO dealer.
- 5 For units expiring the warranty period, the user should undertake the cost.