

100L hydraulic lifting vacuum homogenizing emulsion machine (button control)



Main pot			
No.	Name	Configure	Remarks
1	Mixing method	1. Frame type two-way wall scraping screw agitator, power 1.5kw, rotational speed 0-63r/min	Variable frequency speed regulation, Taiwan Delta frequency converter, scraped wall material PTFE
		2. Homogenizer power 4kw, rotational speed 6000r/min	Delta frequency conversion, Siemens Beide motor
2	Sealing process	Bimetal water circulation seal	Borkmann, Germany
3	Cover opening mode	Hydraulic lifting, motor power 1.5kw	
4	Discharge mode	Electric dumping discharge	
5	Temperature display	Thermal resistance thermometer ($\leq 140^{\circ}\text{C}$)	
6	Pressure and vacuum display	Pressure vacuum gauge, limit vacuum 0.08Mpa	
7	Heating and cooling mode	Steam heating and tap water cooling	
8	Main process parameters	1. working pressure 0.08Mpa	
		2. Design volume 125L	
		3. Working volume 100L	
9	Material	1. The material inside the pot is SUS316L, and the thickness is 6mm	Internal surface polishing and passivation
		2. Jacket material SUS304, thickness 5mm	
		3. Shell material SUS304, thickness 3mm (insulation: aluminum silicate fiber cotton)	External surface polishing
10	polishing	The pot body and exposed part are larger than 300 meshes	
11	Others	SUS316L is used for parts contacting with materials	
Oil phase pot			
No.	Name	Configure	Remarks
1	Mixing method	Bottom wave wheel mixing, power 0.75kw, rotational speed 1400 rpm	

2	Cover opening mode	Movable half cover	
3	Feeding mode	Stainless steel straight through ball valve	
4	Temperature display	Thermal resistance thermometer ($\leq 140\text{ }^{\circ}\text{C}$)	
5	Main process parameters	1. Steam heating, working pressure $\leq 0.08\text{Mpa}$	
		2. Working volume 45L	
6	material	1. The material inside the pot is SUS316L, and the thickness is 5mm	Internal surface polishing and passivation

		2. Jacket material SUS304, thickness 5mm	
		3. Shell material SUS304, thickness 3mm (insulation: aluminum silicate fiber cotton)	External surface polishing
7	polishing	The pot body and exposed part are larger than 300 meshes	
Water phase pot			
No.	Name	Configure	Remarks
1	Mixing method	Bottom wave wheel mixing, power 0.75kw, rotational speed 1400 rpm	
2	Cover opening mode	Movable half cover	
3	Feeding mode	Stainless steel butterfly valve (bottom outlet)	Bottom discharge
4	Temperature display	Thermal resistance thermometer ($\leq 140^{\circ}\text{C}$)	
5	Main process parameters	1. Steam heating, working pressure $\leq 0.08\text{Mpa}$	
		2. Working volume 90L	
6	texture of material	1. The material inside the pot is SUS316L, and the thickness is 5mm	Internal surface polishing and passivation
		2. Jacket material SUS304, thickness 5mm	
		3. Shell material SUS304, thickness 3mm (insulation: aluminum silicate fiber cotton)	External surface polishing
7	polishing	The pot body and exposed part are larger than 300 meshes	
Supporting combination			
1	Support and platform	All stainless steel bracket, covered with stainless steel checkered plate	
2	Emulsifying pan	Equipped with material filter, spice bucket, air filter and mirror lamp	
3	Material pipeline	316L stainless steel and high temperature resistant glass are used in contact with materials	
4	Electric control cabinet	It is made of stainless steel and comprehensively controls the production of oil, water and emulsion pots	press-button control
5	Spice bucket, filter	stainless steel	
Power consumption			
1	100L emulsification pot	1. Two way frame type spiral band wall scraping agitator 1.5kw	Siemens Beide
		2. Homogenizer 4kw, lower homogenizer	Siemens Beide
2	45L oil phase pot	Wave wheel propeller, 0.75kw	
3	90L water phase pot	Wave wheel propeller, 0.75kw	
4	Water ring vacuum pump	3kw	
Place of origin of configuration equipment			
1	Frequency converter	Taida,Taiwan	
2	electric machinery	Siemens Beide	
3	Reducer	Jiangsu International Trade	

4	Vacuum pump	Zibo, Shandong	
5	316L stainless steel plate	national standard	
6	304 stainless steel plate	national standard	
7	Main electrical components	Delixi	
8	Voltage	380V/50HZ	

The upper pipe fittings meet the national pharmaceutical standard (GMP)

