

## *Most Advanced PLC Vacuum Homogenizing Emulsifier / Homogenizing Mixer ZT-CP-series*



### **Product Description:**

1. Homogenizing Mixer with Siemens touch PLC operating system.
2. Tanks material. inner layer SS 316. Middle and out layer SS304.
3. Homogenizing Mixer can configuration Motor brand: AAB OR Siemens.
4. Heating method: steam heating or electrical heating.
5. Homogenizing Mixer power supply has more options: 220voltage 380 voltage 460 voltage 50HZ 60HZ 3P for option.
6. Leader time 30 days.
7. System composition: Water phase pot, oil phase pot, emulsifying pot, vacuum pump, hydraulic system, electrical control system, working platform, stairs and other parts.
8. The capacity from 100 liter up to 5000 liter.
9. Homogenizing Mixer adopts technology from USA ROSS Company featured by unique and prominent efficiency.
10. The lifting systems has synchronous double-cylinder lifting.
11. Adopted stepless speed system (Siemens motors and frequency converters) For electrical system.
12. Homogenizing Mixer Siemens PLC touch screen and programmer.
13. Homogenizing systems include lower, internal and external circulating homogenization save power consumption.
14. Adopted stainless steel .the interior surface of the tanks to be is subject to be polished 300EMSH (sanitary level).
15. Oil hydraulic lifting system design for easy cleaning and operation.
16. Fully automation control of the vacuum emulsifying system.
17. The emulsifying pot lid adopts lifting system, easy to clean with CIP ball and the cleaning effect is more obviously.
18. The main pot can be flipped down to 120°so that even the high viscosity material can also be easily emptied.

19. Homogenizing Mixer has Three-layer tank, steam or electric heating and for quickly cooling down.
20. External emulsifying and homogenizing by vertical type inline homogenizer with pipes reach GMP standard level.
21. The homogenizer also works as a transfer pump for discharging finished product save human power.
22. The homogenizer and the blades stirring can together work or separate work for difference purpose.
23. Perfect particle size of 2 micrometers and evenly distributed Shorter batch time.
24. Contra mixing system of fixed impellers with holes and wall scraper(food grade material)
25. Homogenizing Mixer with a pipeline high-shear emulsifier, suitable for processes such as dispersion, emulsification, homogenization, mixing and mixing.
26. Homogenizing Mixer batching system, discharging system, cooling and heating temperature control system, vacuum system, nitrogen protection, PH value online measurement control, CIP cleaning system, etc.
27. Complete process of mixing, dispersing, emulsifying, homogenizing, vacuum, heating and cooling in one unit;
28. Can be customized into sanitary grade, suitable for production or pilot test of pharmaceutical, food, cosmetics and other industries.

#### Technical parameter:

Model	Capacity(Litre)			Emulsify motor		Agitator motor		Size(mm)			Total power(KW) (steam/ electric heating)
	main pot	water pot	oil pot	KW	Speed (rpm)	KW	Speed (rpm)	L	W	H	
<b>ZT-CP-100</b>	100	80	50	4	0-3000	1.2	0-63	2450	2600	1850/2900	13/30
<b>ZT-CP-200</b>	200	160	100	5.5		2.2		2700	3000	2380/3240	15/40
<b>ZT-CP-300</b>	300	240	150	7.5		3.0		3050	3400	2500/3600	18/49
<b>ZT-CP-500</b>	500	400	250	8.0		3-4		3450	3500	2900/3900	24/63
<b>ZT-CP-1000</b>	1000	800	500	7.5-11		4-7.5		3650	4200	3300/4600	30/90
<b>ZT-CP-2000</b>	2000	1600	1000	11--15		5.5-7.5		4250	4800	3800/5400	40/120
<b>ZT-CP-3000</b>	3000	2400	1500	15-18		7.5-11		4550	5000	3900/5400	40/120