

Batch-type Vacuum Frying System: VF220TS

型号 Model		VF220TS
参数 Technical parameter		
处理能力 Capacity (Raw Material)		50 - 80KG/Batch
料篮容积 Frying Basket Volume		About 220L
处理时间 Processing time		About 30min
极限真空度 (在一个标准大气压水温 15°C) Ultimate Vacuum Value (under 1 standard atmosphere and water temperature 15°C)		Absolute atmosphere 500~1000pa
油温 Oil Temperature		Room temperature ~120°C
加热源 Heating System	加热源 Heating source	Steam
	蒸汽耗量 Steam consumption	400 Kg/h
	夹层蒸汽压力 Steam pressure in interlayer	≤0.2 MPa
	热交换器蒸汽压力 Steam pressure in heat exchanger	0.4~0.5 MPa
	蒸汽进口 Steam inlet	DN40 (mm)
	蒸汽疏水出口 Steam trap outlet	DN25 (mm)
加热方式 Type of heating		Oil pump external cycling and interlayer
脱油转数 Deoil speed		0~220 rpm
常温水冷却水量 Room temperature water cooling consumption		25 T/h
冰水冷却水量 7-12°C water cooling consumption		15 T/h
冷却水进/出直径 Cooling water inlet/outlet		DN50/DN50 (mm)
真空泵冷却水进口 Vacuum pump cooling water inlet		DN20 (mm)
电源	电制 Power supply	220V 60Hz 3ph
	总功率 Total power	22.5KW

The whole set of frying system include following parts:

No	Name of part	Spec.	Power	Q'ty	Remark
1	不锈钢真空油炸锅 Frying Tank	φ1200*1650 SUS304		1	
2	不锈钢水汽捕集冷 凝器 (常温水) Water vapor collecting condenser (Room temp. water)	φ400*1400 SUS304		1	There are two condensers, for smaller fryer only one condenser.
	不锈钢水汽捕集冷 凝器 (7~12℃冰水) Water vapor collecting condenser (7-12°C water)	φ300*1400 SUS304		1	
3	不锈钢储水罐 Water storage tank	φ400*1000 SUS304		1	
4	七轴同步升降架(含 脱油电机) Seven-axis synchronous lifting system (include deoil motor)		1.5kw	1	台湾万鑫 WANSHIN Taiwan
5	不锈钢列式换热器 Tubular heat exchanger	SUS 304		1	
6	不锈钢循环油泵(外 置水冷,双机械密 封) Oil circulating pump (external water cooling, double mechanical seal)	SUS316L	1.5kw	1	Fristam Germany (Made in China)
7	不锈钢油过滤器 (带加热, 配视镜) Stainless steel Oil filter (with heating and observation window)	φ400*600 SUS304		1	
8	不锈钢货笼架 Stainless steel storage rack			1set	
9	变量同步液压站 Variable synchronous hydraulic System		1.5kw	1	

10	液压缸 Hydraulic Cylinder	YG50		2	
11	不锈钢整体圆形油炸货篮 Frying basket	φ900*350		2sets	single layer
12	水环式真空泵配冰水冷却器 Water ring vacuum pump (include water vapor and oil separator, and water cooler)	2BV5	11KW	1	
13	罗茨真空泵（水冷） Roots vacuum pump (water-cooled)		4KW	1	转子泵体内部镀镍防锈处理 Internal nickel plating to prevent rust
14	罗茨真空泵（水冷） Roots vacuum pump (water-cooled)		3KW	1	转子泵体内部镀镍防锈处理 Internal nickel plating to prevent rust
15	控制柜 PLC 和触摸屏, 数显真空计, 含有变频器 PLC, 7" touch screen and Control Cabinet. Include frequency converter, Digital vacuum gauge	Stainless steel case		1set	触摸屏, PLC 和变频器: 日本三菱 Touch screen, PLC and frequency converter: Mitsubishi (Made in Japan)
16	真空系统不锈钢管路、阀件 Stainless steel piping and valves for vacuum system			1set	
17	油加热系统不锈钢管路阀件 Stainless steel piping and valves for oil heating system	Double-layer piping		1set	
18	蒸汽系统（配有夹层部分不锈钢减压阀, 安全阀, 电磁阀）镀锌管			1	Steam system (Include reducing valve, safety valve and magnetic valve for interlayer). Galvanized piping for steam system
19	疏水阀 Ball-float steam trap	FT14-10 DN20 DN25		1 2	British: Spirasx sarco (Made in China)

20	设备支座和框架 Machine Base and Frame	SUS304		1	
21	进出货升降液压车 Hydraulic lifting cart			2	To put in and take out frying basket of frying tank
22	不锈钢高效油气分离器 Oil and water vapor separator	φ400		2	
23	电气配线和配线用的不锈钢软管 Wires and Stainless steel flexible hose			1set	
24	不锈钢球阀、法兰、管件 Stainless steel ball valve, flange and pipes			1set	
25	标准件 standard parts			1set	
26	仪表等 meter			1set	
27	自动排水电动球阀 Electric ball valve (For automatic drainage)			2	日本北泽 Japan KITZ (Made in Japan)
28	蒸汽加热保温不锈钢储油罐 Oil Tank	SUS304 1500L		1	Heat resource: steam
29	卫生级不锈钢泵 Stainless steel pump	1.5KW		1	
30	音叉液位开关 Fork liquid level switch(for automatic oil replenishing)	TF-MD3B652MK1		2	德国 Kewill (产地德国) Germany Kewill (Made in Germany)
31	不锈钢双层保温管道、阀门、管件 Stainless steel double-layer piping and valves.for oil fine-filter system			1set	