

SERIES HEAT PRESERVATION COOLING MAKE-UP TANK

系列保温冷却配料罐

FJ

Make-up tank is widely applied in pharmacy, fine chemical engineering and biological engineering industries. The tank body has interlayer and heat-insulating layer (for heating, cooling or heat insulating). The tank body, upper and lower closure heads (or taper) all adopt spinning R-angle processing. The internal wall of the tank has got mirror polishing with finish $Ra \leq 4.1 \mu m$. It has no sanitary dead corner and its wholly-enclosed design ensures that materials are always.

Mixed and ferment at non-pollution state. It is equipped with devices including air respirator, cleaning ball, sanitation inlet, viewing mirror, and viewing lamp. The fermentation process of Pharmacy, fine chemical engineering and biological products is aseptic and untainted. Fermentation tank adopts aseptic system which helps avoid microorganism pollution in the air and greatly extends quality warranty period and purity of the products. We specially designed and installed aseptic respiratory air hole or aseptic normal-pressure fermentation system, which can finish circulating heat-up and cooling. The parts that contact materials are all made of stainless steel SUS304 or SUS316L. Heat preservation adopts polyurethane blister or pearl cotton. External surface adopts sand grinding surface polishing treatment. All is in accordance with GMP standard. Volume has different specifications ranging from 100-20000L.

配料罐广泛应用于制药、精细化工、生物工程等行业，罐体设有夹层、保温层（可加热、冷却、保温）。罐体与上下封头（或锥形）均采用旋压R角加工，罐内壁经镜面抛光处理，光洁度 $Ra \leq 0.4 \mu m$ ，无卫生死角，全封闭的设计确保物料始终处在无污染的状态下混合、发酵，设备配备空气呼吸器、清洗球、卫生人孔、视镜、视灯等装置。

制药、精细化工、生物制品发酵过程是一个无菌、无污染的过程，发酵罐采用了无菌系统，避免和防止了空气中微生物的污染，大大延长了您的产品的保质期和产品的纯正，我们在罐上特别设计安装了无菌呼吸气孔或无菌正压发酵系统。可通入加热或冷却介质来进行循环加热和冷却。与物料接触的部分全部采用不锈钢 SUS304 或 SUS316L 制造，保温采用聚氨酯发泡或珍珠棉，外表面磨砂亚光处理，符合 GMP 标准。

容量可由 100-20000L 多种不同规格。



技术参数 Technology parameter

规格 \ 型号	100L	200L	500L	1000L	2000L	5000L	10000L	20000L
直径 (mm)	400	500	700	900	1200	1500	1800	2300
高度 (mm)	2000	2300	2650	2900	3800	4480	5250	6550
罐内压力 (MPa)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
夹套压力 (MPa)	0.3	0.3	0.3	0.3	0.3	0.3	管0.3	管0.3
搅拌桨数	2	2	2	2	2	3	3	4
搅拌转速 (r/min)				80				
电机功率 (kw)	0.55	0.75	1.1	1.5	3	5.5	7.5	7.5
冷却方式		夹套					列管	