

ELECTRIC HEATING REACTOR

电加热反应釜

SHF



The stainless steel reactor is characterized by rapid heating, resistance to high temperature and corrosion, sanitation, no environmental pollution, automatic heating without boiler, user-friendliness and so on. It's widely applied for such processes as sulfurization, nitration, hydrogenation, alkylation, polymerization and condensation in petroleum, chemical engineering, rubber, pesticide, dyestuff, medicine and food.

It consists of such parts as body, cover, jacket, stirrer, actuator, shaft seal and support. The body and parts contacting the material inside the reactor are all made of OCr18Ni9 or 1Cr18Ni9Ti stainless acid resistant steel, conforming to the standard GMP. Its design, manufacture and acceptance refer to technical conditions and requirements in GB150-89 Steel Pressure Vessels.

不锈钢反应釜具有加热迅速、耐高温、耐腐蚀、卫生、无环境污染、无需锅炉自动加热，使用方便等特点，广泛应用于石油、化工、橡胶、农药、染料、医药、食品，用来完成硫化、硝化、氢化、烃化、聚合、缩合等工艺过程。

本设备由釜体、釜盖、夹套、搅拌器、传动装置、轴封装置、支承等组成，与釜内物料接触处的釜体和零部件均采用OCr18Ni9或1Cr18Ni9Ti不锈钢耐酸钢板制成，符合GMP标准。设计制作、验收参照GB150-89《钢制压力容器》技术条件和要求。

技术参数 Technology parameter

公称容量 L	电热功率	内锅直径 φ mm	夹套直径 φ mm	减速机型号	电动机 n/kw	搅拌转速 r.p.m
50	4×2 KW	φ 400	φ 600	BLD 0.8-1	1450/0.8	60-100
100	6×2 KW	φ 500	φ 700	BLD 1.1-1	1450/1.1	60-100
300	6×4 KW	φ 800	φ 1000	BLD 2.2-2	1450/2.2	60-100
500	9×4 KW	φ 900	φ 1100	BLD 3-2	1450/3	60-100
1000	12×4 KW	φ 1200	φ 1400	BLD 4-3	1450/4	60-100
2000	15×5 KW	φ 1400	φ 1600	BLD 4-3	1450/4	60-100
3000	15×6 KW	φ 1600	φ 1800	BLD 5.5-3	1450/5.5	60-100

Reactor steam heating 蒸汽加热反应釜



Its materials: those parts contacting the material all are made of high-quality stainless steel like 304 or 316L, conforming to the standard GMP. Its stirring mode mostly adopts the frame type to ensure the material can be blended uniformly in a short time; also it's available for options of frame, anchor and paddle types as required. Its seal adopts the sanitary mechanical seal to ensure pressure inside the tank and prevent the material leakage out of the tank from causing unnecessary pollution. Its interface adopts the ISO fast-installation clamp type, easy and sanitary.

本设备的材料：与物料接触部分均采用304或316L等优质不锈钢制造，符合GMP标准。搅拌形式多用框式搅拌，确保物料在短时间内均匀调和；同时可根据需要选用框式、锚式、桨式等；密封采用卫生级机械密封，可以保证罐内的压力及防止罐内物料泄漏而造成不必要的污染；接口采用ISO标准快装卡箍式，方便卫生。

技术参数 Technology parameter

规格 L	内锅直径 φ mm	夹套直径 φ mm	电动机功率 kw	减速机型号	搅拌转速 r.p.m
50	500	600	0.8	BLD 0.8-1	60-100
100	550	650	1.1	BLD 1.1-1	60-100
150	600	700	2.2	BLD 2.2-2	60-100
200	650	750	2.2	BLD 2.2-2	60-100
300	800	900	3	BLD 3-2	60-100
500	900	1000	3	BLD 3-2	60-100
800	1100	1200	4	BLD 4-2	60-100
1000	1200	1300	4	BLD 4-3	60-100