

Jhen-Ten JTRFY: Stainless Reactor



Description:

JTRFY reactor be designed, manufactured and inspected in accordance with the pressure vessel standard (GB150-2011) and the steel welded atmospheric pressure vessel standard (NB/T 47003.1-2009), strictly meet to GMP certificate requirements.

The stainless reactor is widely used in producing and researching areas of petrochemical, fine chemicals, rubber industry, agricultural chemicals, colourants, pharmaceuticals and food. It is a tank that is used to hydrolysis, Neutralization and crystallization Distillation, evaporation, storage, hydrogenation, alkylation, polymerization, condensation, Heating mixing and constant temperature reaction

“Jhenten” reactor using vertical circular tanks, jacket can be made into a dimple jacket, coil jacket or the whole jacket, can heating or cooling, made of 316L or 304 stainless steel, inside surface electrolytic mirror polishing or mechanical polishing, the outer surface adopts 304, all

welded surface mirror or inferior smooth processing; Tanks welds adopt flanging process arc transition, smooth and easy to clean no dead corner, beautiful appearance.

Tank Optional Configuration:

Reactor can configure aseptic air filter, thermometer (Digital display or Dial type), PH meter, pressure gauge, steam sterilization hole, sight glasses, sanitary manhole, liquid in-outlet, CIP cleaning ball, liquidometer and Liquid level control system (Bearing module, non-contact ultrasonic, static pressure transmitting device) and so on, also can configure as customers' requirement.

Feature:

- Reactor made of 316L or 304 has excellent mechanical properties, bearing high pressure, also it can withstand the force of the massive solid materials during feeding process. It features rapid heating, high temperature resistant, corrosion resistance, no rust, sanitary, no pollution, etc.
- Agitator with anchor type, frame type, impeller or turbine; using cycloidal reducer, gear reducer, and frequency control; Mechanical seal sealing device meeting sanitary standard; full jacket, half pipe coil, cooling/heating coil structure available, heating mode with steam, electric heating, heat conduction oil; Can be arbitrarily selected according to the user's technique.
- Reactor has 600L and 20000L, and other specifications, according to the actual requirement of customers.

Application:

- Apply to petrochemical, fine chemicals, rubber industry, agricultural chemicals, colourants, pharmaceuticals, food and beverage, to complete the vulcanization, hydrogenation, alkylation, polymerization, condensation process.

Design Parameter	
Design pressure	Tank body (-0.MPa~2.0MPa)
	Jacket (ATM-0.6MPa)
Design temperature	Tank body and Jacket (0°C~160°C)
Material	
Liner	304, 316L
Jacket	304
Insulation	Rockwool or polyurethane
Legs	304
Connection	
In-outlet	Tri-clamp, Flange
Surface Finish	
Finish type	Mechanical / electrolytic polishing, sand blasting, pickling
Polishing precision	Inner surface Ra≤0.4um
	Outside surface Ra≤0.6um

Normal Model And Main Technical Parameters

Model	JTRFY-600	JTRFY-1000	JTRFY-2000	JTRFY3000	JTRFY-4000	JTRFY-5000	
Effective volume(L)	600	1000	2000	3000	4000	5000	
Tank	Diameter(mm)	Φ900	Φ1100	Φ1300	Φ1600	Φ1700	Φ1800
	Height(mm)	900	1000	1500	1500	1800	1800
Mixng	Power (KW)	1.1	1.5	2.2	2.2	3	4
	RPM(r/min)	200(propeller) / 60(anchor type) (Can adjust the design according to the customer's usage)					

Model	JTRFY-6000	JTRFY-8000	JTRFY-10000	JTRFY-12000	JTRFY-15000	JTRFY-20000	
Effective volume(L)	6000	8000	10000	12000	15000	20000	
Tank	Diameter(mm)	Φ1900	Φ2000	Φ2200	Φ2400	Φ2600	Φ2800
	Height(mm)	2000	2200	2400	2500	2700	3000
Mixng	Power (KW)	04	5.5	7.5	7.5	11	11
	RPM(r/min)	200(propeller) / 60(anchor type) (Can adjust the design according to the customer's usage)					