

## JTRCL 磁力搅拌罐 Magnetic Agitator Mixing Tank

全夹套式磁力搅拌罐  
Full jacket type magnetic  
agitator mixing tank

磁力搅拌罐严格遵循《药品生产质量管理规范》GMP总则(2010年修订)第三十一、三十二条要求,并按《压力容器》(GB150—2011)、《钢制焊接常压容器(附标准释义)》(NB/T 47003.1—2009)要求进行设计、制造及验收。

磁力搅拌罐具有无泄漏,全封闭,耐腐蚀,节能等特点。由于其无接触传递力矩,以静密封取代了动密封,解决了其他轴密封无法克服泄漏的问题,整个物料和搅拌部件处于无菌卫生状态进行运作,是制药,精细化工,化妆品,生物工程等行业理想更新换代产品。

“镇田”磁力搅拌罐,配置磁力底搅拌装置于罐体底部,属于无菌配液罐。磁力搅拌罐与贮罐配液罐一样可以不同封头结构形式,夹套形式或单层根据不同的要求组合;配置底入式或者侧入式磁力搅拌,能够实现CIP和SIP。

Magnetic Agitator Mixing Tank 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 magnetic Agitator Mixing tank features no leakage, full sealing, corrosion-resistance and energy-saving. Because of the no-contact carryover moment and the static seal, there is leakage problem. All materials and Agitator are in the sterile sanitary condition, the ideal product for pharmaceutic, chemistry, cosmetics and bio-engineering.

JHENTEN magnetic agitation tank, the bottom of the magnetic stirring device in the bottom of the tank belong to the aseptic tank. Magnetic stirring tank and tank can equip with different head structure. The types and layers of jackets can combine under different requirements. Both bottom and side type of Configuration magnetic stirring can achieve the CIP and SIP.



### 产品特点

- 用焊接隔离套静态密封取代动态机械密封,完全解决动态机械密封泄漏问题,所以无泄漏、无外界污染、安全性强且结构简单,易拆卸,易清洗,无死角。
- 底部装置搅拌,在物料少的情况下可以搅拌,搅拌叶设计独特,搅拌工作转速宜为20r/min~400r/min范围内,可以适应各种不同物料搅拌、混合;同时搅拌安装在罐的底部于罐体成10°的夹角,在搅动时,物料被与罐体成10°夹角翻腾,并不是沿罐壁做周向旋转达到紊流效果。
- 搅拌转速由变频器进行无级调速,在最大转速以下能进行最佳的搅拌转速的调节,以满足各种工艺对搅拌转速的要求。
- 容积有50L~20000L等多种规格,可根据客户实际需求进行设计、制造。

### Feature

- Welding die static sealing of sleeve to replace dynamic mechanical seal completely solve the problem of dynamic mechanical seal leakage, so there is no leakage, no external pollution, safety and simple structure, easy disassembly, easy to clean, no dead corner.
- Even there is little material left to process, the stirring device at the bottom still works well. Mixing blade design is unique, and appropriate mixing work speed of 20 r/min to 400 r/min can adapt to all kinds of different material mixing.
- Stirring speed is adjusted by frequency converter to meet the requirements of the various process of stirring speed.
- Volume 50 l ~ 20000 l, and other specifications, according to the actual needs of customers.



### 罐体可选配置

磁力搅拌罐的罐体可选配置无菌空气过滤器、温度计（数显式或表盘式）、PH计、蒸汽灭菌口、射灯视镜、卫生级人孔、进出液孔、CIP万向旋转清洗球、压力表、无菌取样阀(不锈钢罐底)、液位计及液位自控系统（承重模块、无触点超声波、静压变送器等），或根据客户要求配置。

### Tank Optional Configuration

Magnetic agitator mixing tank 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 be configured as customers' requirement.

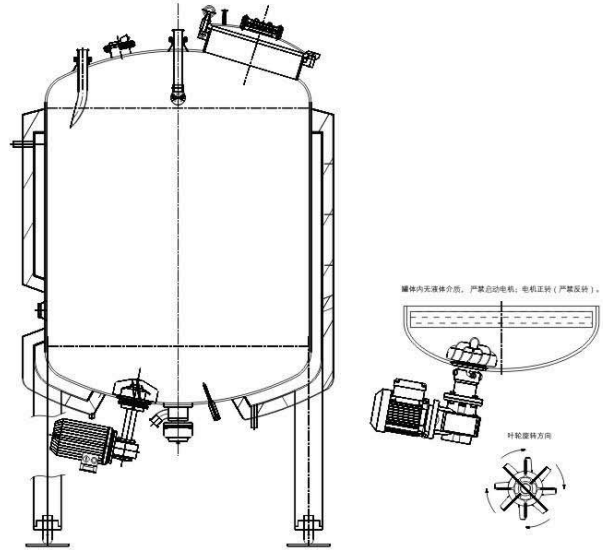
### 典型的应用

可作储液罐、混料罐、暂存罐、储水罐等，适用于食品、乳制品、果汁饮料、医药化工及生物工程等领域行业的液体物料无菌搅拌贮存。

### Application

Can be used as storage Tank, mixing tank, temporary Storage Tank, mixing tank, etc., Used in liquid materials' mixing and storage such as food, dairy products, fruit juice beverage, pharmaceutical, chemical and biological engineering.

### 常规结构 Structure



### 常规设计参数 Design Parameter

设计压力 Design pressure	罐体按客户要求(-0.1MPa ~ 0.6MPa) 夹套按客户要求(ATM ~ 0.5MPa)
设计温度 Design temperature	罐体、夹套按客户要求(0°C ~ 160°C)

### 连接 Connection

进出口 In-outlet	快装卡接、法兰 Tri-clamp, Flange
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### 材料 Material

内胆 Liner	304、316L
夹套 Jacket	304
保温层 Insulation	岩棉或聚氨酯 Rock wool or PU
支腿等 Legs	304

### 表面处理 Surface Finish

处理类型 Finish type	机械抛光、电解抛光、喷砂、酸洗 Mechanical/electrolytic polishing, sand blasting, pickling
抛光精度 Polishing precision	内壁0.4 μm, 外壁0.6 μm Inner surface Ra ≤ 0.4 μm, Outside surface Ra ≤ 0.6 μm

### 磁力搅拌罐常规型号及主要技术参数 Normal Model And Main Technical Parameters

参数 Parameters	型号 Model	JTRCL-100	JTRCL-150	JTRCL-300	JTRCL-500
有效容积 Effective volume (L)		100	150	300	300
罐体 Tank	直径 Diameter (mm)	Φ500	Φ550	Φ750	Φ900
	高度 Height (mm)	500	650	700	650
搅拌 Mixing	电机功率 Power (kW)	0.25	0.25	0.37	0.75
	搅拌工作转速 RPM (r/min)	20 ~ 400 (可根据客户使用情况进行调整设计) 20 ~ 400 (Can adjust the design according to the customer's usage)			
参数 Parameters	型号 Model	JTRCL-800	JTRCL-1000	JTRCL-1500	JTRCL-2000
有效容积 Effective volume (L)		800	1000	1500	2000
罐体 Tank	直径 Diameter (mm)	Φ1000	Φ1100	Φ1300	Φ1300
	高度 Height (mm)	1000	1000	1000	1500
搅拌 Mixing	电机功率 Power (kW)	1.1	1.5	2.2	2.2
	搅拌工作转速 RPM (r/min)	20 ~ 400 (可根据客户使用情况进行调整设计) 20 ~ 400 (Can adjust the design according to the customer's usage)			

上表数据为标准型，仅供参考，可根据客户要求定制；  
The above-mentioned data is the standard, it can customize according to customer's requirements.