

Double Jacketed Mixing Tanks

TIB-DJ200



A TIB double jacketed mixing tank is designed for controlling temperature of its contents, by using a cooling or heating around the vessel through which a cooling or heating fluid is circulated.

The design of double jacketed mixing tank will focus on the heat transfer efficiency and pressure resistance of the tank wall. Each jacket option provides different benefits to the overall function and performance.



Tank Volume

- Maximum Operating Volume	200 L
- Minimum Operating Volume	50 L

Dimension

- Tank Diameter x High	650 x 765 mm.
- Outside Diameter Include Insulation Cladding	950 mm.
- Total Height from floor to Motor Gear	2250 mm.

Agitator

- Anchor Impeller	Yes
- Helical Motor Gear	1.5 kw

Temperature Limit

- Maximum Operating Temperature	150 °C
- Maximum Heat Transfer Liquid Temperature	150 °C

Max. Operating Heat Transfer Liquid Pressure	3 Bar
---	--------------



Design features and benefit

Cooling & Heating jacket mixing tank are used in many industries. Heat exchange surfaces can be designed either for heating or cooling. They can be used to remove the elevated heat of reaction or reduce the viscosity of high viscous fluids.



Valve and Instrument

	Quantity (Pcs.)	Size
- Ball Valve Inlet	2	1"
- Ball Valve Outlet	1	1"
- Ball Valve Heat Transfer Liquid Inlet	1	1 1/2"
- Ball Valve Heat Transfer Liquid Outlet	1	1 1/2"
- Ball Valve Drain	1	1"
- Temperature Gauge	1	Std.
- Pressure Gauge	1	Std.
- Pressure Relief Valve	1	Std.

Electric Control Box

Control Box with Digital Inverter	Yes
VCT 4x2.5 sqm Wiring from Control Box to Motor Gear	20 m.



Other equipment as required by the customer

Diaphragm Pump and Air Pump

Air Operated Double Diaphragm Pump	78 l/min (water) 8 Bar
Air Pump	2 Hp/ 148 Litre

Pipe Line

TOYOK Spring Hose with Furrule Fitting Clamp	4 m.
Other pipe line service available upon request.	additional

Storage Tanks

Storage Tanks SUS.304 Volume	500 L
------------------------------	-------

