

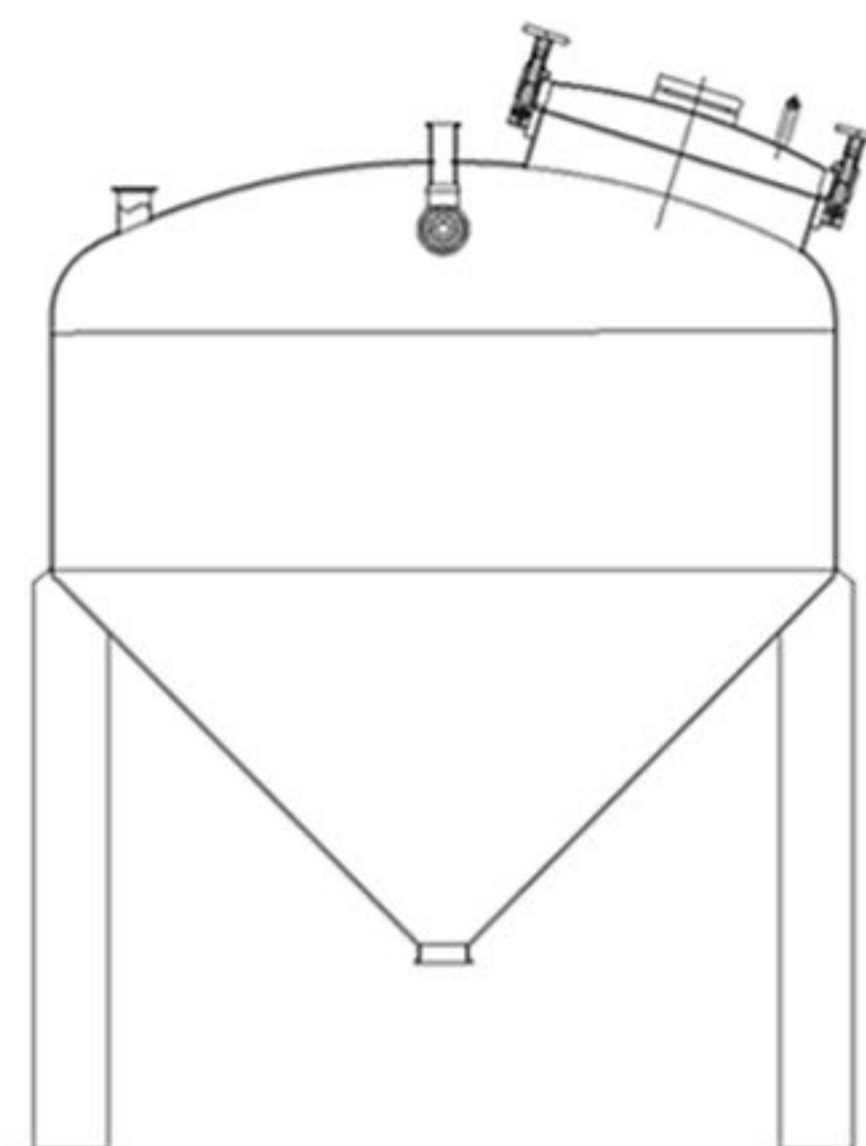
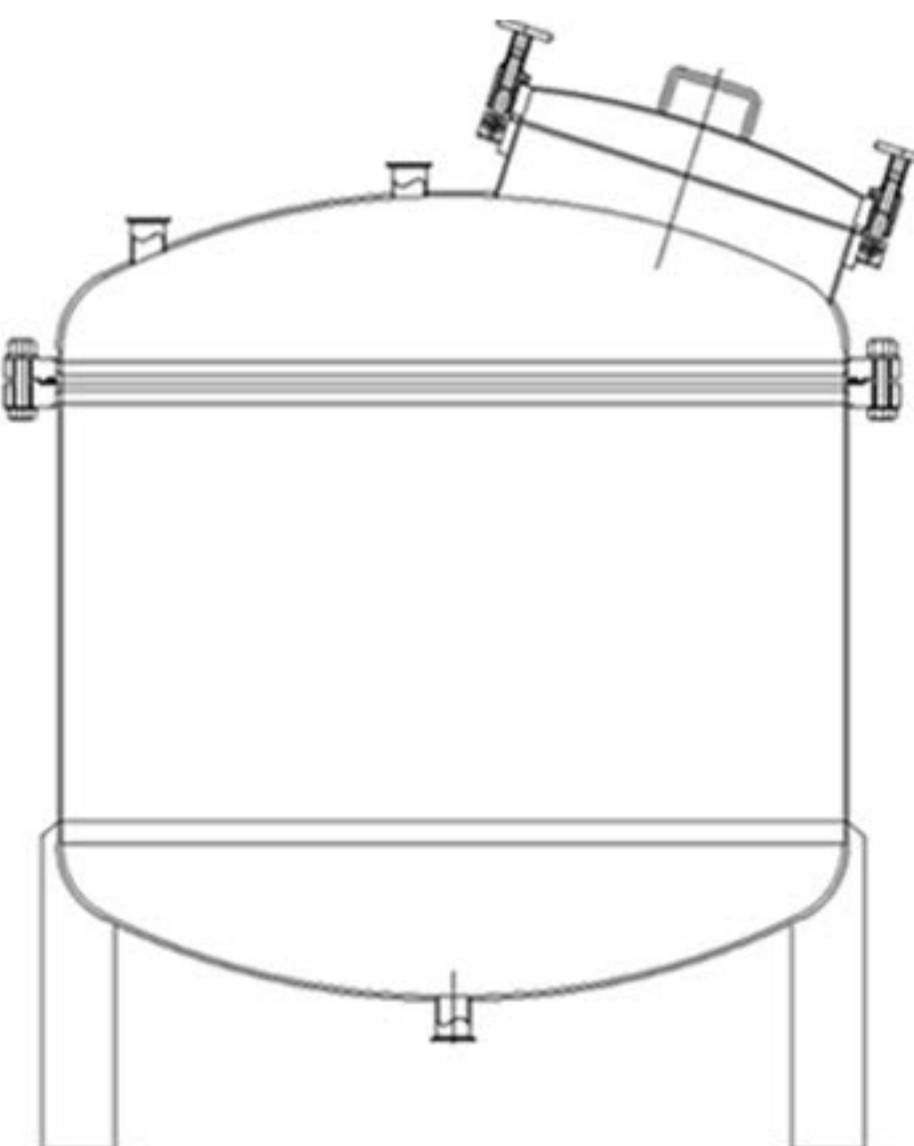
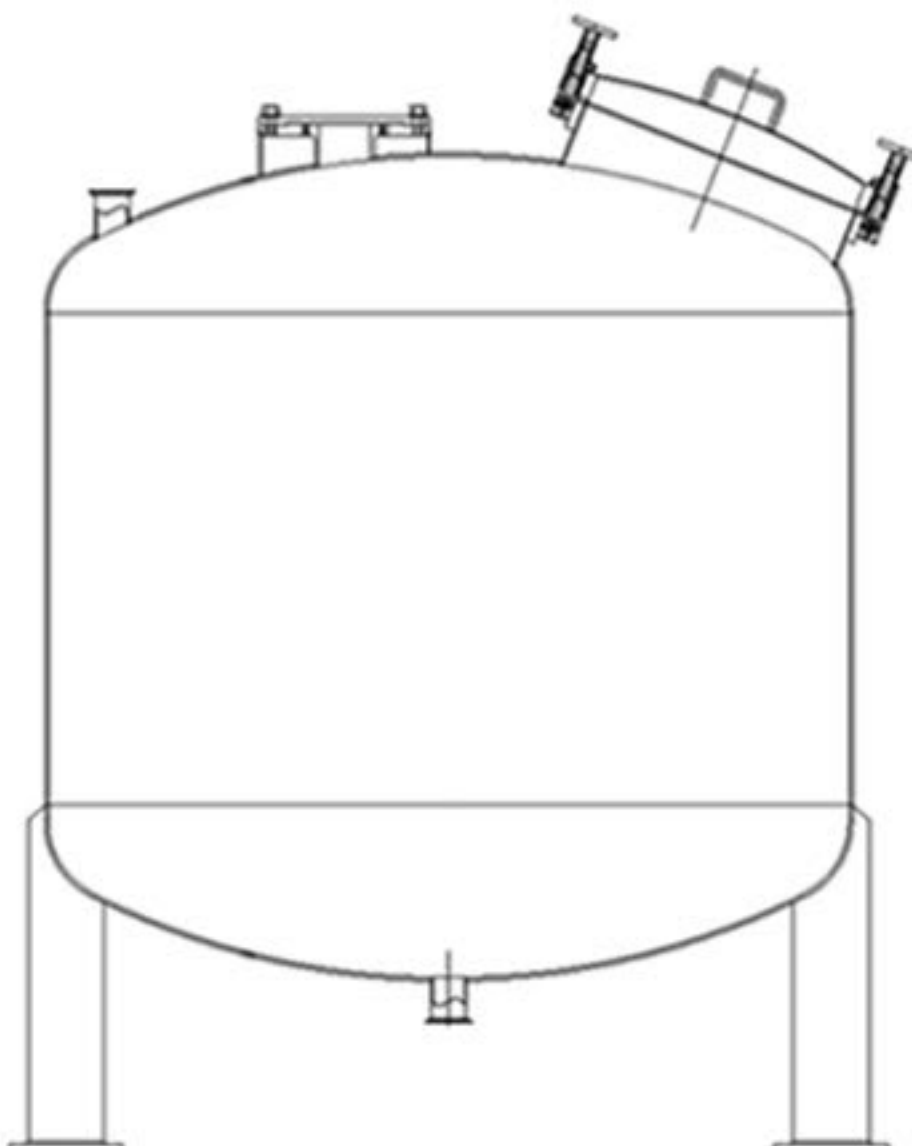
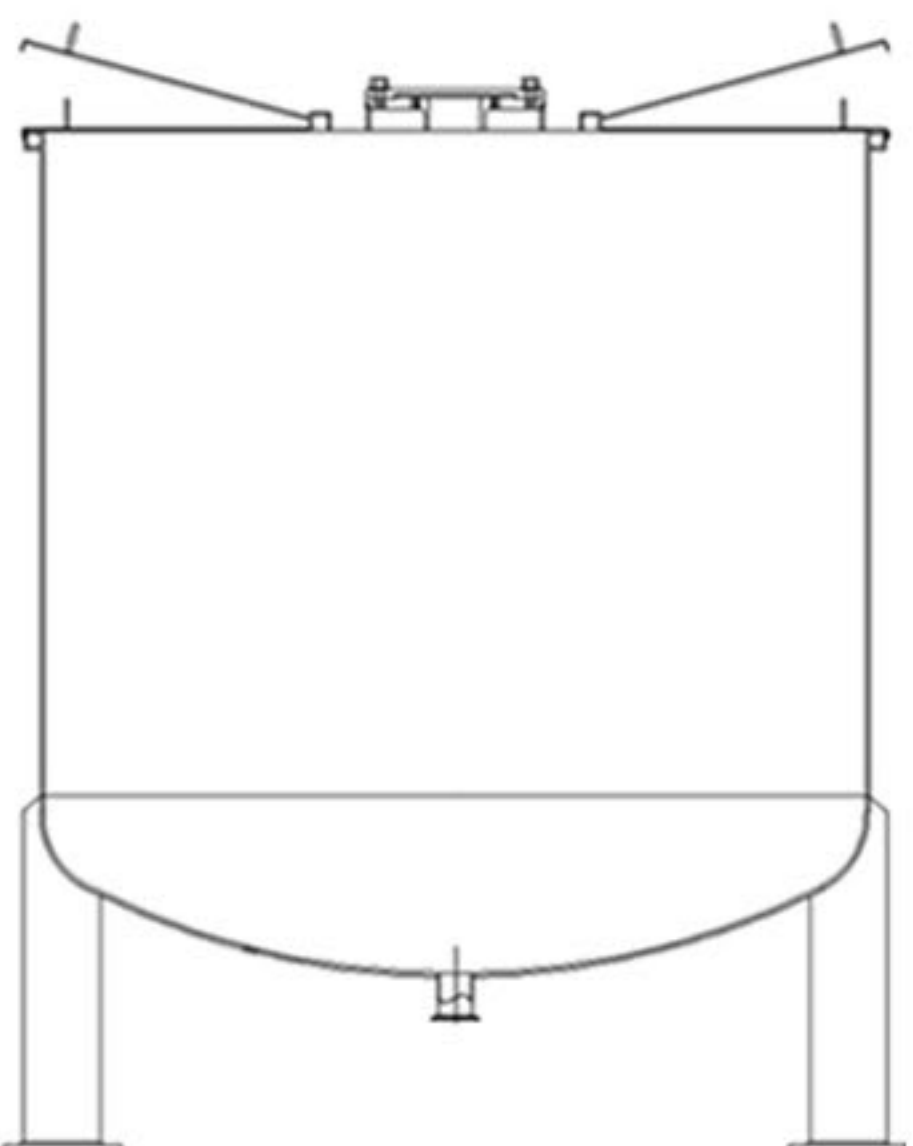
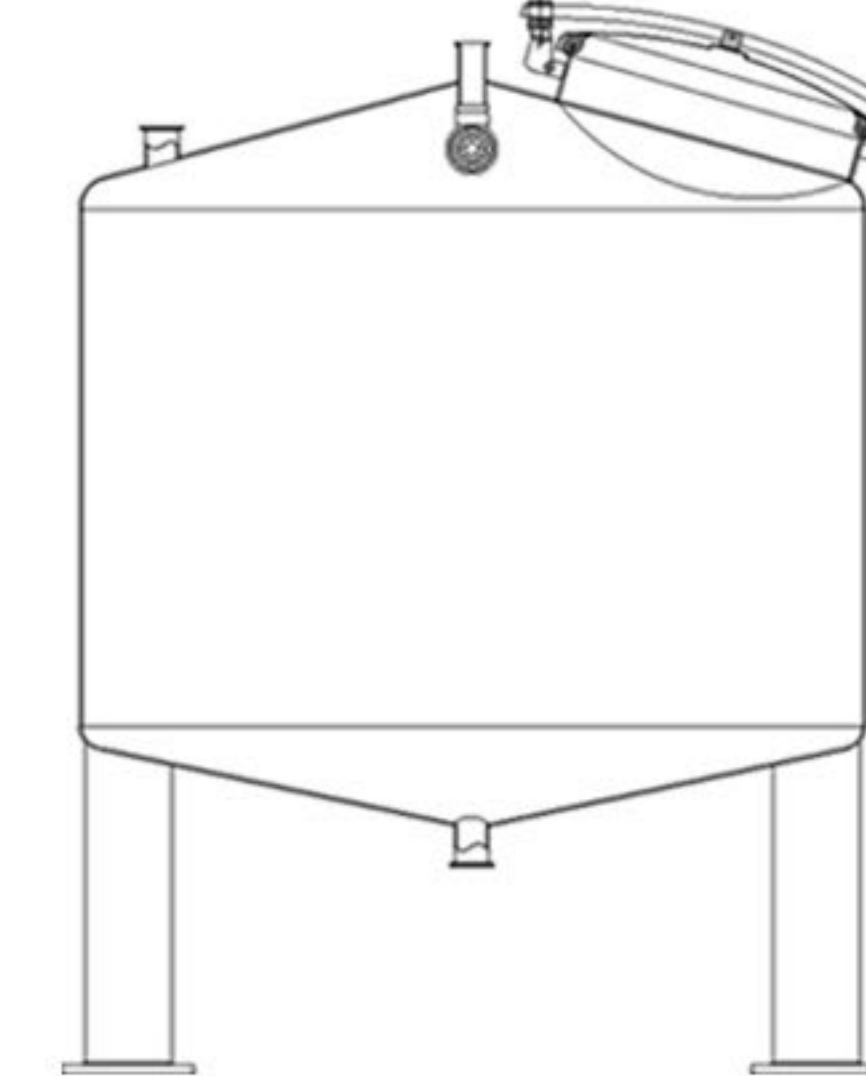
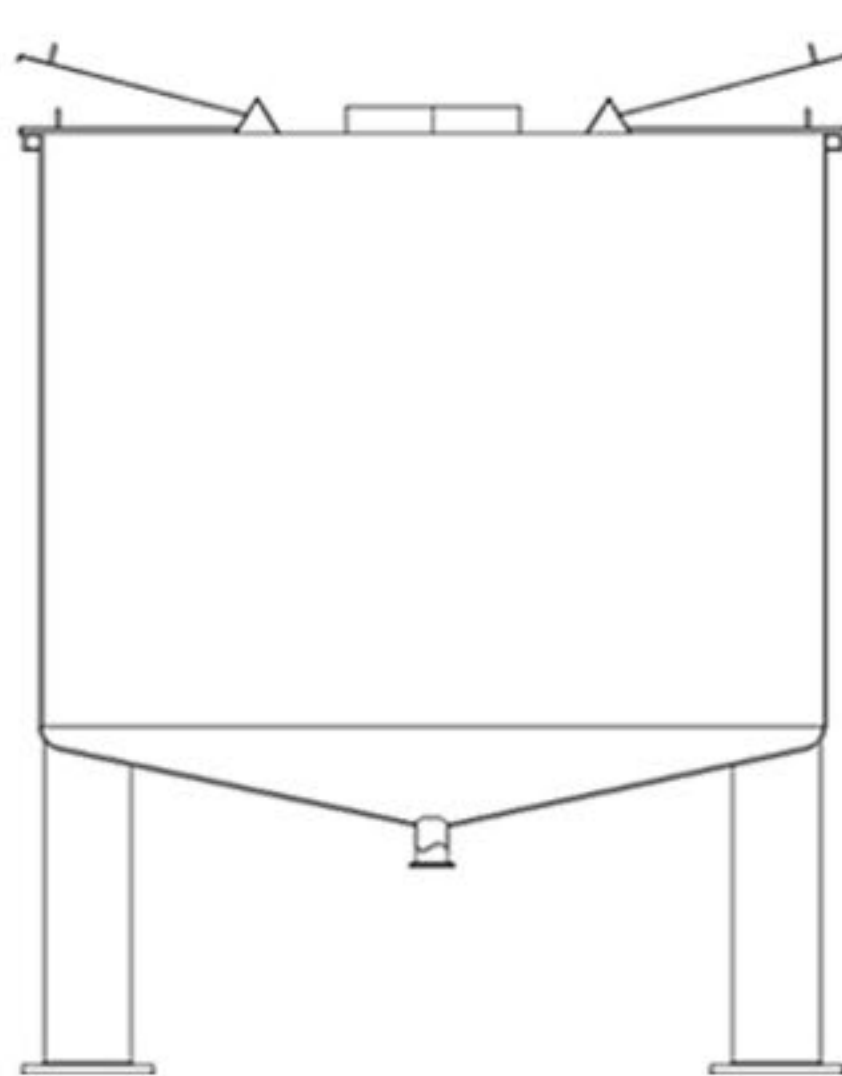
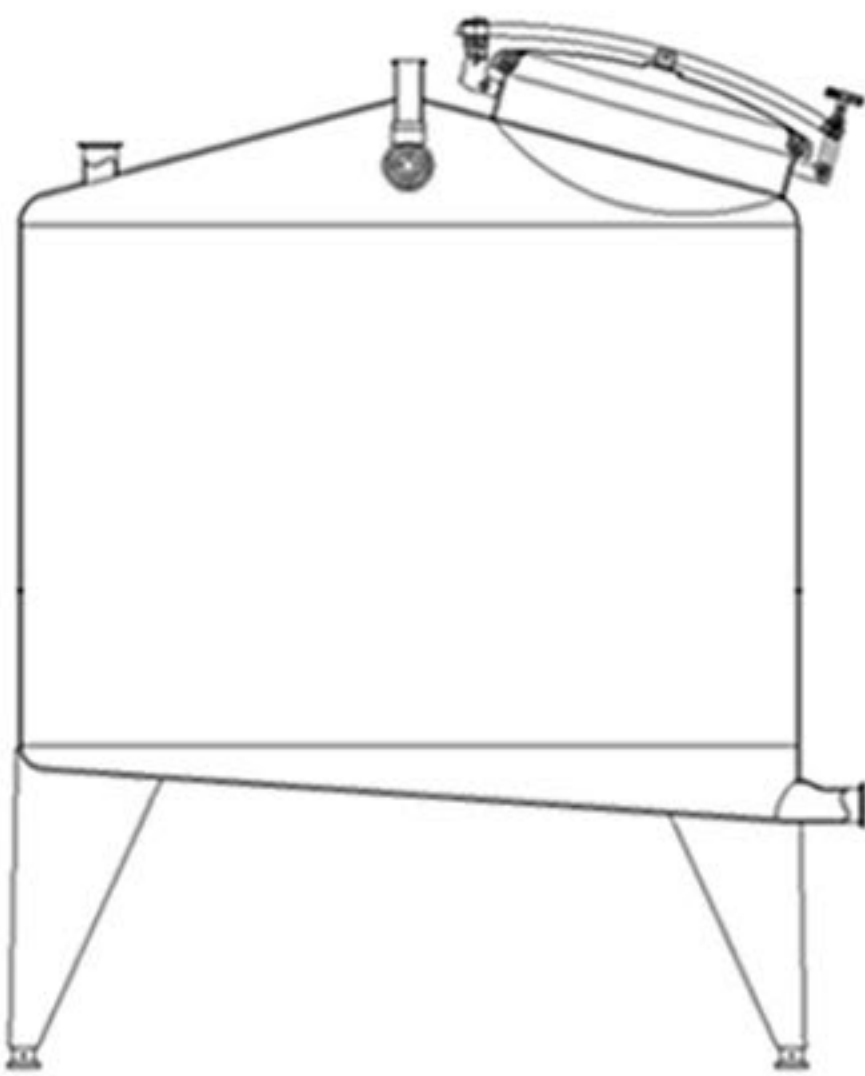
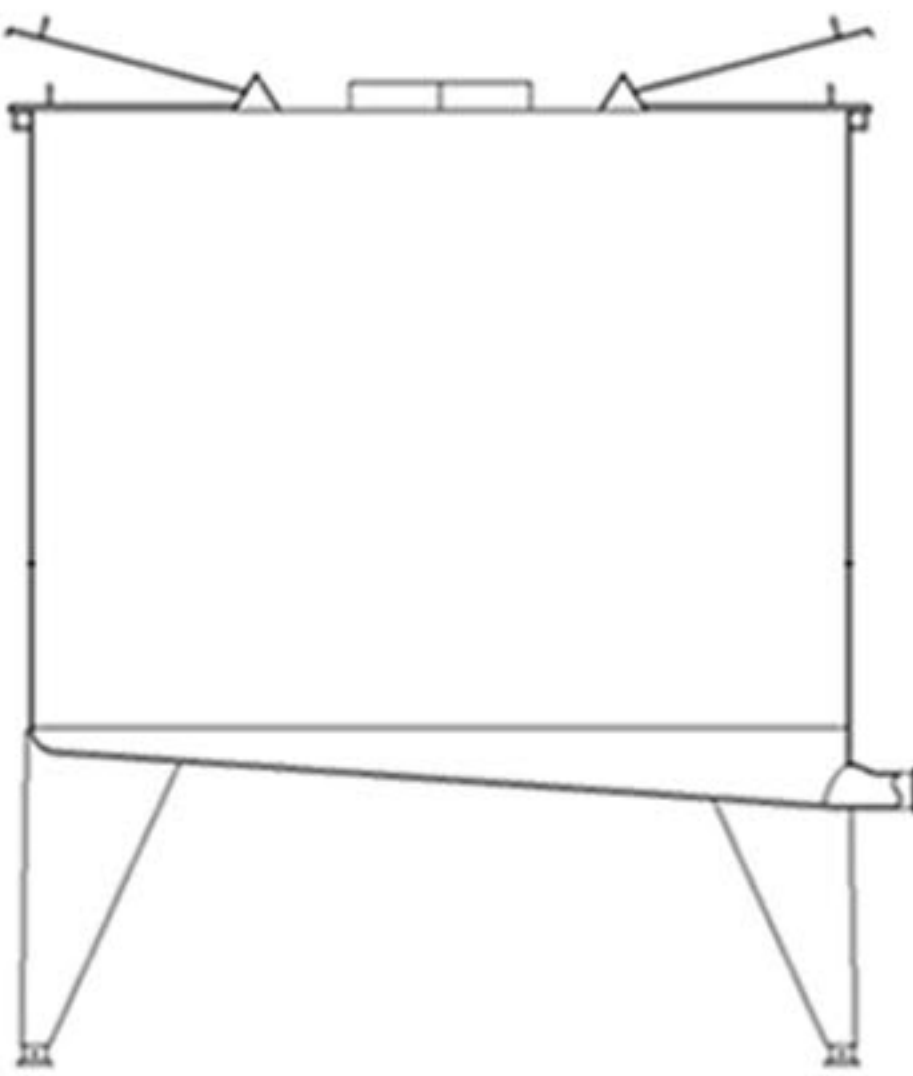
Wenzhou Qiangzhong Machinery Technology Co.,Ltd.

QiangZhong Technology is Committed to a China's professional provider of dairy, food, beverage, daily chemical, agrochemical, bio-pharmaceutical, etc. industries.

MIXING TANK

This series of equipment fully meets the national "Pharmaceutical Production Quality Management Regulations" and is designed and manufactured based on "Steel Pressure Vessels" (GB150-1998) and "Steel Welded Atmospheric Pressure Vessels" (JB/4735-1997, NB/T 47003.1-2009).




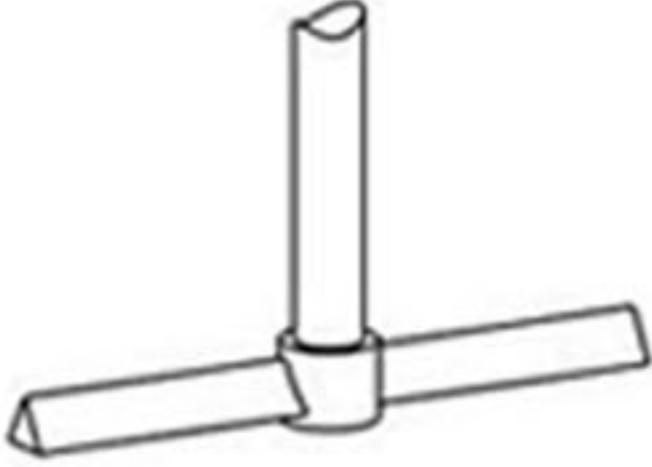


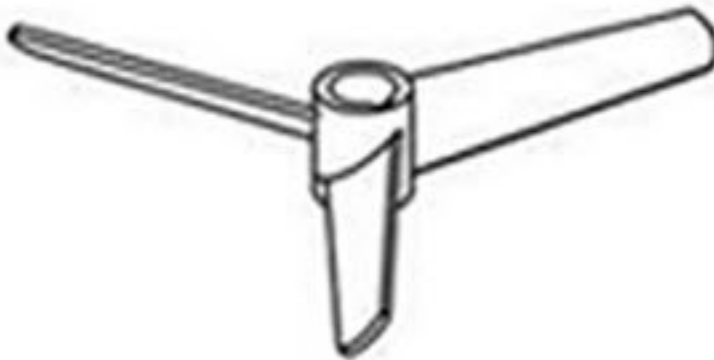

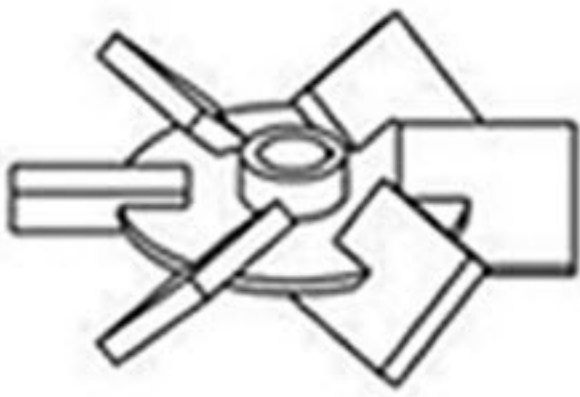


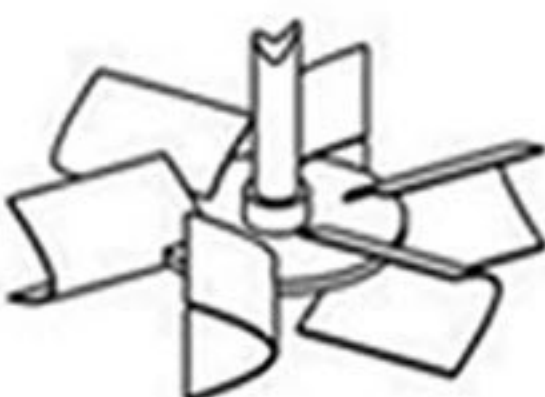
Options of Tank Construction and Agitator Impeller:

			
upper oval sealing cover with manhole + conical bottom heads with discharge port	upper oval sealing cover with manhole + flange + oval bottom heads with discharge port	upper oval sealing cover with manhole + oval bottom heads with discharge port	upper openable cover + oval bottom heads with discharge port
			
upper conical sealing cover with manhole + conical bottom heads with discharge port	upper openable cover + conical bottom heads with discharge port	upper conical sealing cover with manhole + inclined bottom heads with side discharge	openable cover+inclined bottom heads with side discharge

Technical Specifications of High-standard Sanitary Vessel:

- Capacity: 5L - 50000L
- Material: SUS304 or SUS316L, titanium (TA2) duplex stainless steel (S22053) SUS304/316 + sprayed PTFE anti-corrosive material.
- Surface Treatment: inner surface roughness Ra0.28~0.6μm mechanical polishing, passivation or electric polishing (optional); outer surface roughness Ra0.6~0.8μm matte treatment.
- Top Agitator: mechanical agitator (propeller type, paddle type, anchor type, etc.), magnetic stirrer, emulsifier, disperser, etc.
- Bottom Stirrer: magnetic stirrer, emulsifier, paddle agitator, etc.
- Pressure: Normal pressure or pressurized vessel (-0.1-1Mpa).
- Heat Exchange Method: half-pipe coil, full jacket, or dimple jacket.
- Structure: single-wall, two-wall with jacket, or three-wall with jacket and insulation.
- Thermal Insulation Materials: thermal insulation materials such as rock wool are non-toxic, odorless, non-flammable, and with sound-absorbing properties. The insulation has been tested for airtightness, with a respirator port, and is safe and reliable.
- Configuration: conventional configuration includes air respirator, thermometer, level gauge, sanitary inlet, sight glass, CIP spray ball, etc., and can also be configured according to customer requirements
- Fully support CIP, SIP, and meet cleaning verification.

Agitator Paddle Option:

			
Standard Paddle	Grid Paddle	Disperser Disc	Tri-angle Paddle
			
Homogenizer	Curved Blade Turbine	Pitched Paddle	Anchor Paddle
			
Curved Turbine	Propeller Paddle	Spiral Ribbon	Smith Turbine

Blending Separate Emulsification Homogenization Transport



Mobile Storage Tank



Mobile Storage Tank



Sanitary Storage Tank/
Purified Water Storage Tank



Single-wall Tank With
Propeller Agitator



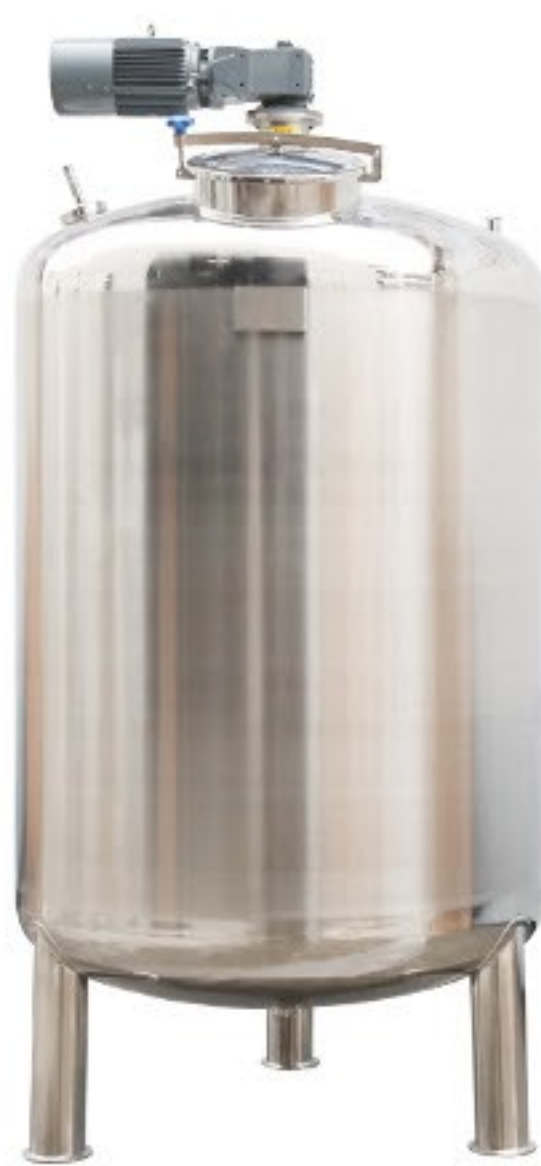
Single Wall
Emulsification Tank



Single-wall Tank With
Propeller Agitator



**Single-wall
Homogenizing Tank**



Single-wall Mixing Tank



**Electric-heating and
Dispersion Tank**

Sanitary Vessel- the Perfect Combination of Value and Performance

The production of high-value-added pharmaceutical products and aseptic and safe food and beverages requires high-quality sanitary vessel. The key to producing high-quality sanitary vessel lies in excellent production capacity, high-quality materials, high-precision processing technology, precise quality control and inspiring design, such as aseptic operation, no dead angle design, integrated CIP/SIP, High-quality parts, clean and easy-to-operate monitoring systems, etc.

The sanitary vessel can be either a stand-alone device or an automated process equipment unit. As a functional module installed at the customer site, it includes mixing, homogenization, dispersion, measurement, and control units, valves and pipeline connections. QIANGZHONG can provide all kinds of sanitary vessels that meet the requirements of biopharmaceuticals, food and beverages, and fine chemical processes. We have a professional design team and mature manufacturing technology, which can help customers choose the right process equipment, fully guarantee the safety and reliability of your products, and ensure efficient use.



Vacuum Dispersion Tank



**Electric Heating Dispersion and
Mixing Tank(experimental type)**



**Experimental Electric-heating
Mixing Tank**



**Pressure-resistant Flange
Type Mixing Tank**



**Electric-heating Vacuum
Dispersion Tank**



**Steam-heating and
Mixing Tank**



Electric-heating
Mixing Tank



Electric-heating Mixing and
Homogenizing Tank



Chocolate Grinding
Mixing Tank



Electric Heating Tank with Agitator
and Bottom Homogenizer



Electric-heating Mixing Tank



Electric-heating Mixing
Emulsifying Tank



Electric-heating Mixing Tank



Mixing Dispersing and
Homogenizing Tank



Mixing Dispersing and
Homogenizing Tank

High-tech professional production and testing equipment, intelligent manufacturing!

Rich Industry Production Experience: mature production technology and stable production capacity ensure the safety and efficiency of products.

Professional Automatic Production Equipment: automatic welding machine, automatic plasma cutting machine, head polishing machine, plate shearing machine, coiling machine, submerged arc welding machine, flat welding machine, flat polishing machine, stress relief machine, etc., intelligent manufacturing, to ensure products meet the requirements of standards.

Professional and Complete Testing Equipment: material testing instrument, roughness testing, thickness testing, heating, cooling, riboflavin testing, etc., professional analysis, testing and experimental equipment, provide a strong guarantee for product quality!



**Heating and Cooling
Mixing Tank**



**Rectangular
Emulsifying Tank**



**Square Shear
Emulsification Tank**



**Circulating Emulsification
and Mixing Tank**



**Mobile Homogenizing Tank +
Mixing Tank with Scrapers**



**Mixing and Homogenizing
Tank with Scrapers**



**Circulating Emulsification and
Mixing Tank**



**Industrial Emulsification
Equipment for Salad Dressing**



**Industrial Salad Dressing/
Mayonnasie Homogenizing Tank**



Magnetic Mixing Tank



Magnetic Mixing Tank



**Magnetic Mixing Tank
(with Automatic Thermostat Control)**



Electric-heating Homogenizing Pump+Sanitary Pump



Chilling and Mixing Tank



Chilling and Mixing Tank



Explosion-proof Mixing and Dispersion Tank



Lifting Emulsification Mixing Tank



Emulsification Dispersion and Mixing Tank



Vacuum Stirring and Emulsification System(for salad dressing)



Hydraulic-lifting Emulsification Tank



Vacuum Dispersion Tank (with hydraulic lifter)

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