

Hygienic
Tank



Hygienic tank

We design and manufacture tanks for hygienic industries in the food, beverage, cosmetics, and medical and pharmaceutical fields.

The purposes of the tanks range from storage, heating/cooling, stirring, dissolution, and filling to culture, etc. We produce tanks equipped with respective functions to meet customers' needs.

We can also offer Class I and II pressure vessels which have increasingly been in demand recently, as well as tanks based on regulations such as the Fire Defense Law, etc.

- Container tank
- Buffer tank
- Stirrer-equipped tank
- Heating/cooling tank
- Buffer tank
- CIP tank



Specifications

Material	SUS304, 304L, 316, 316L
Finish	Pickling finish, buff finish, EP treatment, passivating coating, etc. are possible according to requests.
Size	Up to 20m ³ (I.D. max 3000mm x length max 6000mm)
Pressure	Tank main body: -0.1MPa to 0.99MPa Jacket: Up to 0.5MPa
Weight	max 2.8ton
Type	Single-shell tank, double-shell tank with jacket, triple-shell tank with jacket and sheathing
Thermal insulation material	Glass wool, rock wool, perlite, etc.

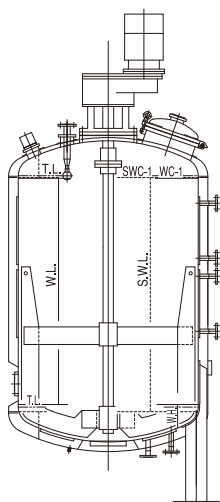
Standards

JIS B8265

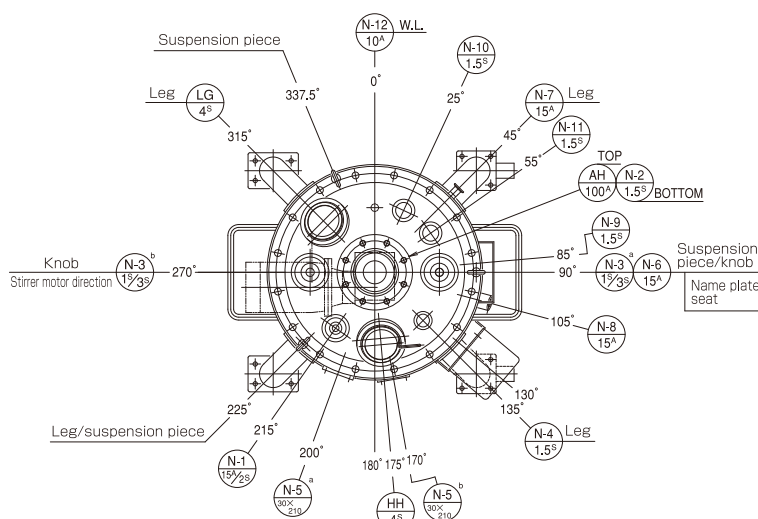
Pressure vessel structure standard

Flow of designing tank

- a) Meeting
- b) Sketch
- c) Strength design
- d) Outline drawing
- e) Detailed design



Outline drawing



Nozzle orientation

Material cutting

- a) Shearing: Max. 6mm x 2400mm
- b) Plasma: Max. 12mm



Material forming

- a) Press: Max. 300 ton
- b) Bending roll: Max. 2500mm/6mm (Width/thickness)
- c) Ball punch plate thickness: Max. 5mm



Welding

- a) Robot welding
- b) Automatic vertical seam welding
- c) Automatic circumferential welding



Inspection

- a) Dimensional inspection
- b) Welding inspection
- c) Non-destructive inspection
(Penetrant inspection, X-ray inspection)
- d) Surface finish inspection
- e) Pressure inspection, airtightness inspection
- f) Accessory inspection





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