



Design Data

Category	inner surface	jacket
Medium	Beer	Refrigerant
Design pressure MPa	0.25	0.45
Operating pressure MPa	0.15	0.3
Design temperature °C	90	100
Operating temperature °C	80	<100
Corrosion allowance mm	0	0
Weld joint factor	0.85	0.85
Material	SUS304	SUS304
Heat Exchange Area m ²		
Capacity(Nominal/working)	1065L(7BBL)	

Specification

Item	Spec	Connecting	Name
a ₁	Ø38	Tri-Clamp	outlet
a ₂	Ø38(Ø2.5")	Tri-Clamp(DIN)	outlet
b ₁₋₂	Ø20	female screw NPT	Refrigerant inner/outlet
c	Ø38	Tri-Clamp	thermometer hole
d	Ø38	Tri-Clamp	sample hole
e	Ø400*300	quick-opened	shadowless manway
f	Ø38	Tri-Clamp	cleaning hole
g	Ø38	Tri-Clamp	spare hole
h	Ø38	Tri-Clamp	pressure gauge port
i	Ø38	Tri-Clamp	spare hole
j	Ø6"	Tri-Clamp	hopping port
k	Ø38	Tri-Clamp	Carbonation point
l	Ø38	Tri-Clamp	spare hole
m	Ø1/2"		hose connector
n	Ø1/2"		hose connector
o	Ø1/2"	female screw NPT	thermowell

Technical parameters

- 1.The inner surface polished to $Ra \leq 0.22 \mu m$.
- 2.Outer surface adapts high accuracy Polishing.
- 3.Nozzle position by vertical view.
- 4.To filled with water in tank for leak testing.

8	lifting ears	2	SUS304
7	dish head	1	SUS304
6	cladding	1	SUS304
5	insulation	1	PU
4	jacket	1	SUS304
3	inner tank	1	SUS304
2	cone	1	SUS304
1	legs	4	SUS304
No.	Drawing id./standard	Description	Qty. Material

Wenzhou Shuangding Machinery Co., Ltd

responsibility	Sign	Date	Fermentation tank			
Designed			7BBL			
Checked						
Reviewed						