1000L FV

Design Data Sheet			
Design parameters			
Container class		Pressure	
Parameter Name		Container	Jacket
Working pressur	MPa	Pressure	0.2
Design pressure	MPa	Pressure	0.25
Working Temperature	℃	-5~95℃	
Design Temperature	℃	-5~100℃	
Medium		Beer	Coolant
Medium Density	Kg/m		
Material		304	304
Full volume	L	1750	
Effective volume	L	1000	
Safety valve act pressure	MPa		
Heat transfer area	㎡		
Insulation material		PU	
Insulation thickness	mm	80	
Pressure test	MPa		0.6
Air-tightness test	MPa		

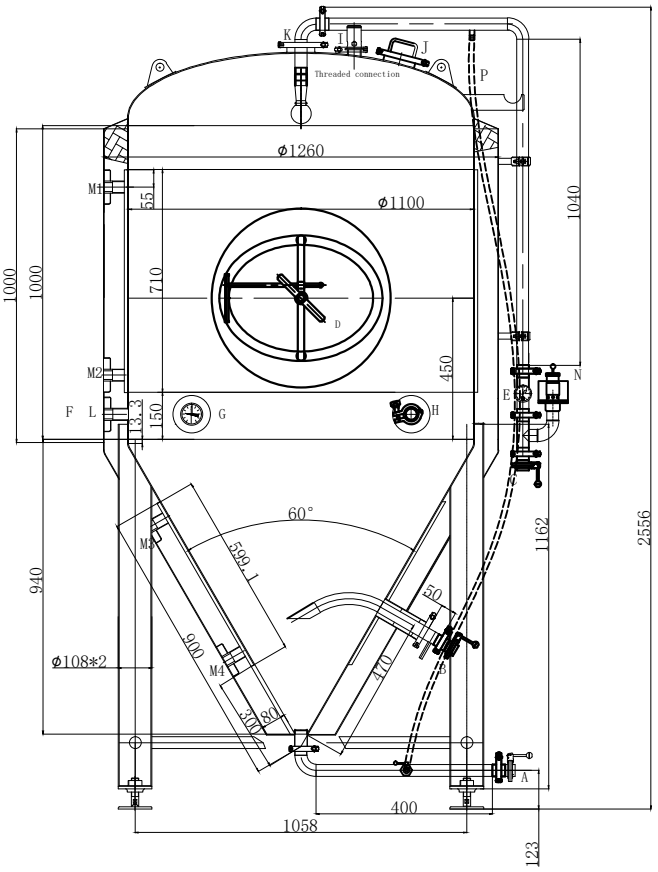
1. Shell welds shall be parallel to the inner wall, with double-sided welding shall be smooth, not having concave and convex edges and scratch, all interfaces with the inner cylinder welding are light repair processing.

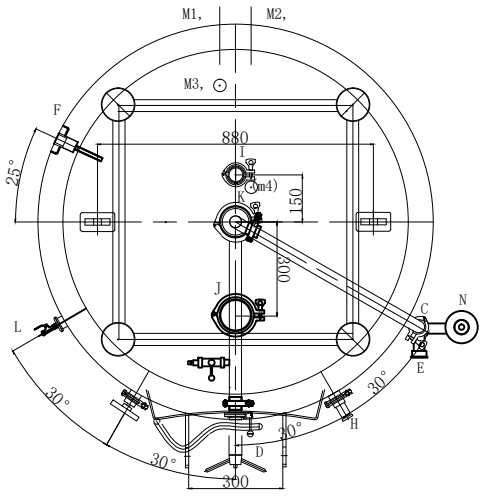
2. Head and polishing the surface, the inner cylinder body and the inner surface of cone 2 bar, Cylinder and cone cladding surface adopts mechanical drawing polishing processing. The inner surface of the cylinder body is pickling and passivating treatment.

3. After the completion of the manufacture, equipment to 0.2MPa hydrostatic test, the inside of the jacket to the 0.6MPa Hydraulic pressure test, pressure 24 hours, equipment is not lying testing water pressure test.

Connections

Mark	Size	Discription	Connection size	Remark
A	1.5	Yeast outlet	φ38.1×1.5	Clamp
B	1.5	Beer outlet	φ38.1×1.5	Clamp
C	1.5	CIP inlet	φ38.1×1.5	Clamp
D	530x430	Side manhole	530×430×133	Weld assembly
E	1.5	Pressure gauge	φ38.1×1.5	Clamp
F	1/2	Temperature port	NPT1/2	Thread
G	1.5	Thermometer	φ38.1×1.5	Clamp
H	1.5	Sample valve	φ38.1×1.5	Clamp
I	2	Relief valve	φ50.8×1.5	Clamp
J	4	Hop dosing	φ101.6×2	Clamp
K	3.5	Connection	φ88.9×2	Clamp
L	1/2	Carbonation port	NPT1/2	Thread
M1-M4	3/4	Jacket inlet / outlet	NPT3/4	Thread
N	1.5	Vacuum pressure valve	φ38.1×1.5	Clamp
P	0.45	Level hose	φ12×2.5	Clamp





Language: en	EN		Created by:	Created on:	Format:
Working Title:			Changed by:	Changed on:	Drawing Type:
Reference:			Checked by:	Checked on:	Sheet No./of
Denominator:	1000L FV				
Drawing number:				SAC-Number:	SAC-Index

Register
Design
Version
Ori drawing No.
Sign
Date