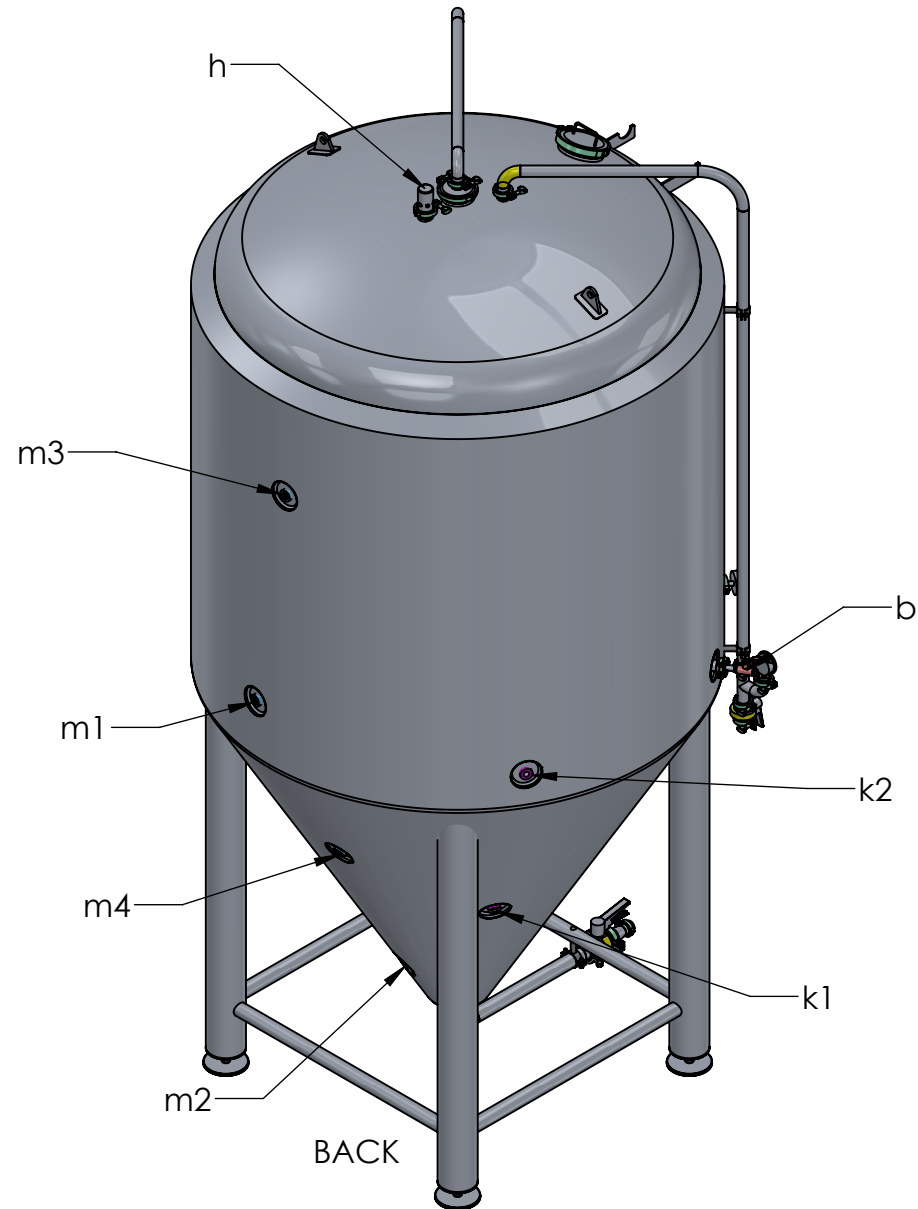
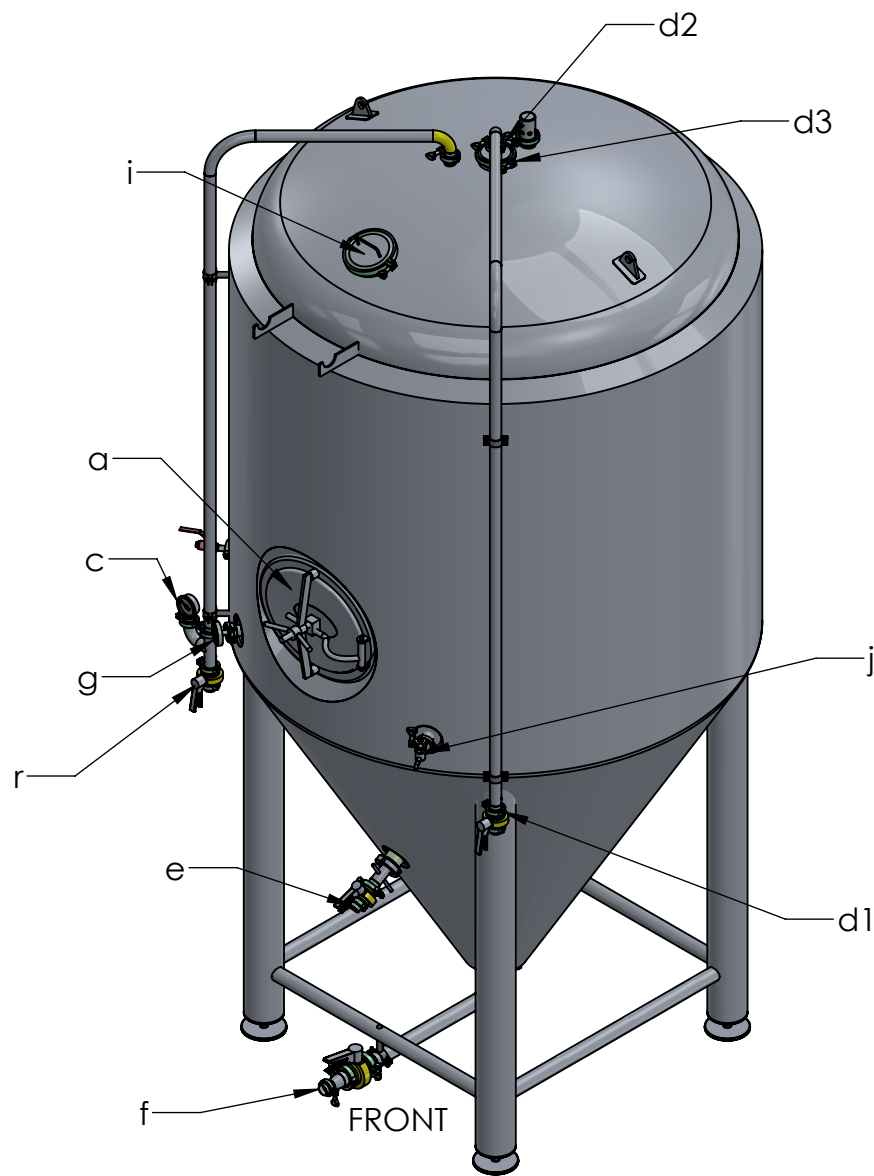


Design Data Sheet					
Design Parameters (Metric)			Design Parameters (US Standard)		
Working Pressure (MPa)	Vessel	0.1	Jacket	0.1	Working Pressure (psi)
Design Pressure (MPa)	0.2	0.4	Design Pressure (psi)	29	58
Working Temp (°C)	-5 - 40		Working Temp (°F)	23 - 104	
Design Temp (°C)	-10 - 50		Design Temp (°F)	14 - 122	
Material	Beer	304	Glycol	304	Material
Gross Voume (gal)	1162.5 (37.5BBL)		Gross Voume (gal)	1162.5 (37.5BBL)	
Net Volume (gal)	930 (30BBL)	20	Net Volume (gal)	930 (30BBL)	20
Saftey Valve Act Pressure (MPa)	0.1		Saftey Valve Act Pressure (psi)	14.5	
Heat Exchange Area (m²)	7.2		Heat Exchange Area (ft²)	77.5	
Insulation Material	PU		Insulation Material	PU	
Insulation Thickness (mm)	80		Insulation Thickness (in)	3.2	
Pressure Test (MPa)	0.2	0.6	Pressure Test (psi)	29	87

Dimensions									
	Name	Connect Size (mm)	Connect Size (in)	Connect Type	Comments		(mm)	(in)	
a	Manhole	580x480	22.9x18.9			Total Height	3671	144.5	
b	CO2 Inlet	38.1	1.5	Clamp		Minimum Height	3529	138.9	
c	Pressure Gauge	38.1	1.5	Clamp		Total Diameter	1963	77.3	
d1-2	CIP Assembly Clamp	38.1	1.5	Clamp	2 clamps	Tank Diameter	1764	69.5	
d3	CIP Converter Clamp	101.6	4	Clamp		Ceiling Clearance	3614	142.3	
d4	CIP Spray Ball Clamp	38.1	1.5	Clamp		Shipping Clearance			
e	Beer Out	38.1	1.5	Clamp	2 clamps				
f	Yeast Out	50.8	2	Clamp	3 clamps, includes reducer to 1.5"	Gasket Count			
g	Temp Gauge	38.1	1.5	Clamp		1.5"	14		
h	Safe Valve	50.8	2	Clamp		2"	4		
i	Hop Port	152.4	6	Clamp		4"	1		
j	Sample Valve	38.1	1.5	Clamp		6"	1		
k1-2	Thermocouple Port		NPT ½"	Female Threaded					
r	Overflow	38.1	1.5	Clamp	3 clamps				
m1-2	Glycol In		NPT 1"	Female Threaded		Weight	kg	lbs	
m3-4	Glycol Out		NPT 1"	Female Threaded		800	1763.7		



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	NAME	DATE
DRAWN	Lewis Humphrey	9/17/2021
CHECKED		
ENG APPR.		
MFG APPR.		
COMMENTS:		

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SIZE TITLE: 30BBL FER 2

SCALE: 1:25

REV 2

SHEET 1 OF 1