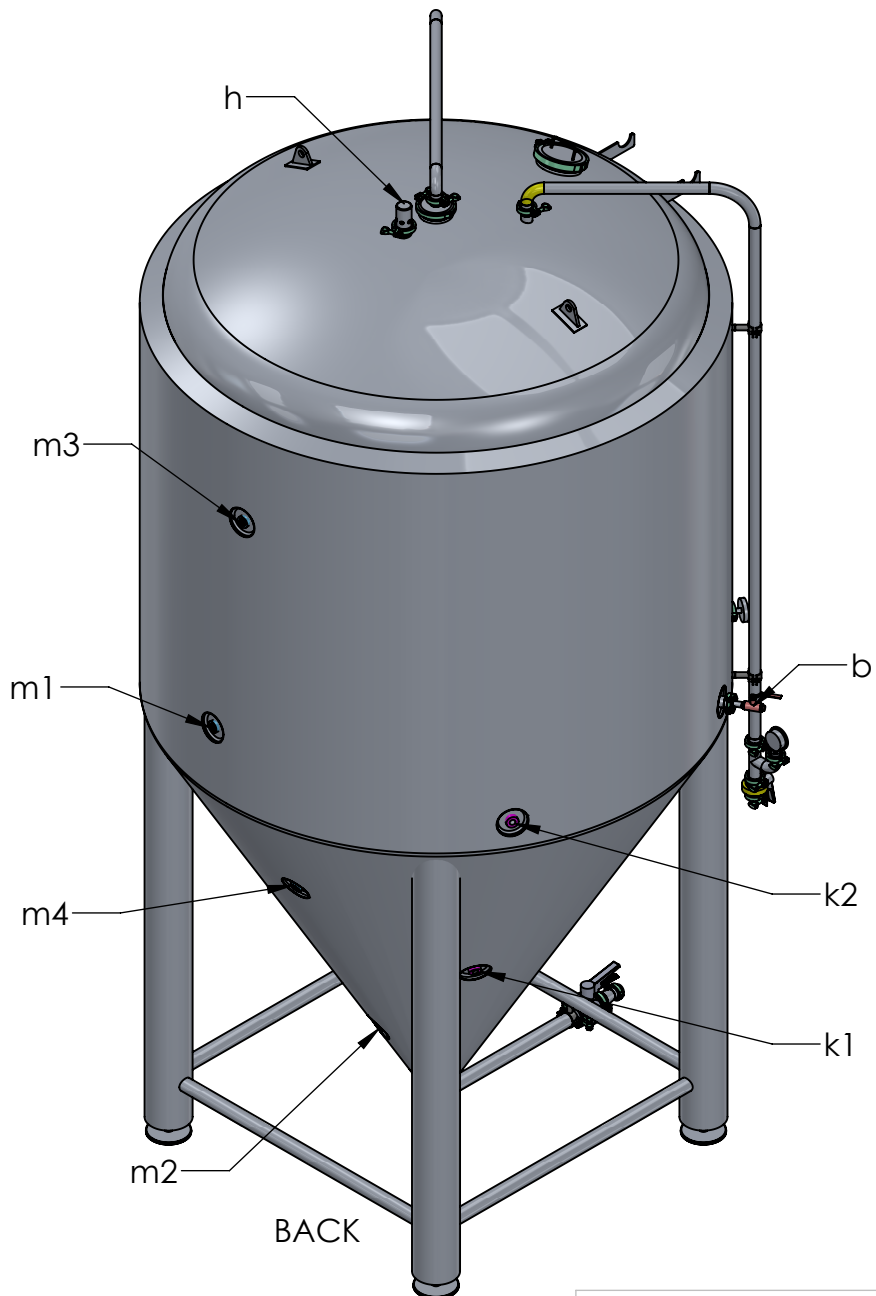
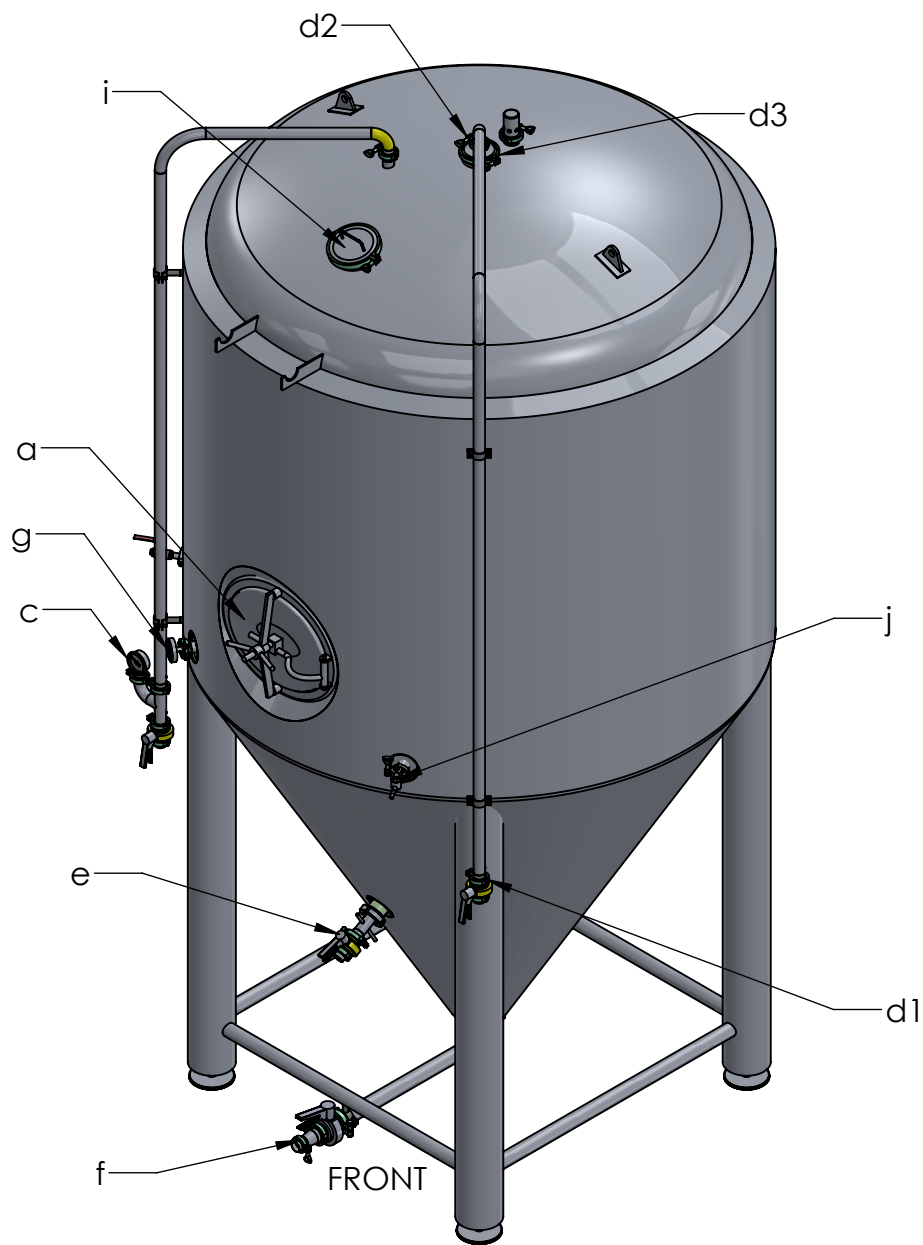


Design Data Sheet					
Design Parameters (Metric)			Design Parameters (US Standard)		
Working Pressure (MPa)	Vessel	Jacket	Working Pressure (psi)	Vessel	Jacket
Design Pressure (MPa)	0.1	0.1	Design Pressure (psi)	14.5	14.5
Working Temp (°C)	-5 - 40		Working Temp (°F)	23 - 104	
Design Temp (°C)	-10 - 50		Design Temp (°F)	14 - 122	
Material	Beer	Glycol	Material	Beer	Glycol
Gross Voume (gal)	304	304	Gross Voume (gal)	304	304
Net Volume (gal)	1537.6 (49.6BBL)	25	Net Volume (gal)	1537.6 (49.6BBL)	25
Saftey Valve Act Pressure (MPa)	1240 (40BBL)	14.5	Saftey Valve Act Pressure (psi)	1240 (40BBL)	14.5
Heat Exchange Area (m²)	0.1	8.8	Heat Exchange Area (ft²)	0.1	95.2
Insulation Material	PU		Insulation Material	PU	
Insulation Thickness (mm)	80	3.2	Insulation Thickness (in)	80	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	3880	152.8
b	CO2 Inlet	38.1	1.5	Clamp		Minimum Height	3738	147.2
c	Pressure Gauge	38.1	1.5	Clamp		Total Diameter	2161	85
d1-2	CIP Assembly Clamp	38.1	1.5	Clamp	2 clamps	Tank Diameter	1960	77.2
d3	CIP Converter Clamp	101.6	4	Clamp		Ceiling Clearance	3847	151.5
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"	13	
h	Saftey 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		kg	lbs
m1-2	Glycol In		NPT 1"	Female Threaded		Weight	940	2072.4
m3-4	Glycol Out		NPT 1"	Female Threaded				



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

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SIZE: **A** TITLE: **40BBL FER** REV: **2**

SCALE: 1:25 SHEET 1 OF 1