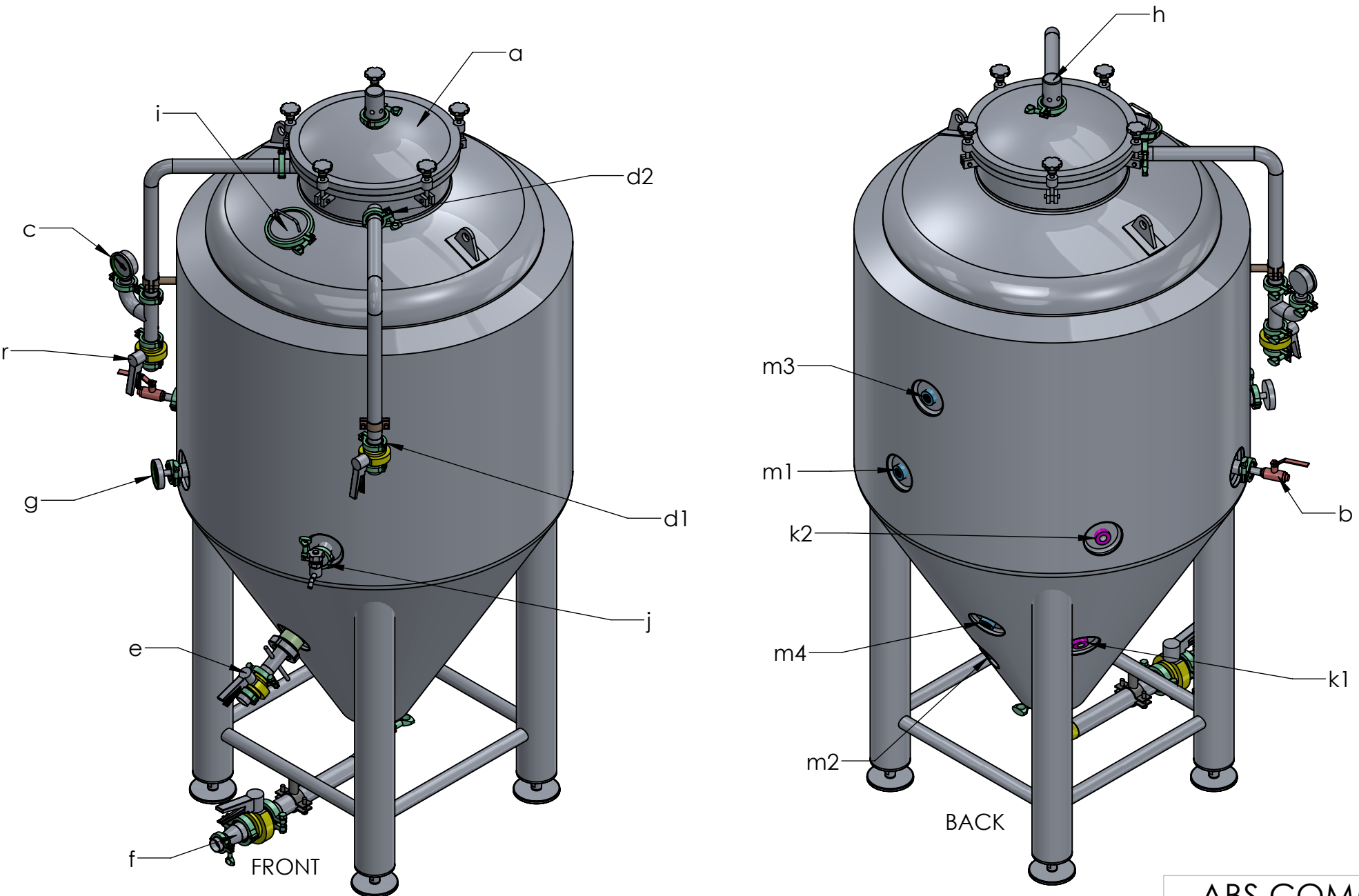


Design Data Sheet					
Design Parameters (Metric)			Design Parameters (US Standard)		
Working Pressure (MPa)	Vessel 0.1	Jacket 0.1	Working Pressure (psi)	Vessel 14.5	Jacket 14.5
Design Pressure (MPa)	0.2	0.4	Design Pressure (psi)	29	58
Working Temp (°C)	-5 - 40		Working Temp (°F)	23 - 104	
Design Temp (°C)	-10 - 50		Design Temp (°F)	14 - 122	
Material	Beer 304	Glycol 304	Material	Beer 304	Glycol 304
Gross Voume (gal)	192.2 (6.2BL)		Gross Voume (gal)	192.2 (6.2BL)	
Net Volume (gal)	155 (5BBL)	5	Net Volume (gal)	155 (5BBL)	5
Saftey Valve Act Pressure (MPa)	0.1		Saftey Valve Act Pressure (psi)	14.5	
Heat Exchange Area (m²)		1.9	Heat Exchange Area (ft²)	20	
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	406	16			Total Height	2301	90.6
b	CO2 Inlet	38.1	1.5	Clamp		Minimum Height	2109	83
c	Pressure Gauge	38.1	1.5	Clamp		Total Diameter	1263	49.7
d1-3	CIP Assembly Clamp	38.1	1.5	Clamp	3 clamps	Tank Diameter	1062	41.9
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	101.6	4	Clamp		4"	1	
j	Sample Valve	38.1	1.5	Clamp				
k1-2	Thermocouple Port		NPT ½"	Female Threaded			kg	lbs
r	Overflow	38.1	1.5	Clamp	3 clamps	Weight	300	661.4
m1-2	Glycol In		NPT ¾"	Female Threaded				
m3-4	Glycol Out		NPT ¾"	Female Threaded				



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

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SIZE: **A** TITLE: **5BBL FER** REV: **2**

SCALE: 1:14 SHEET 1 OF 1