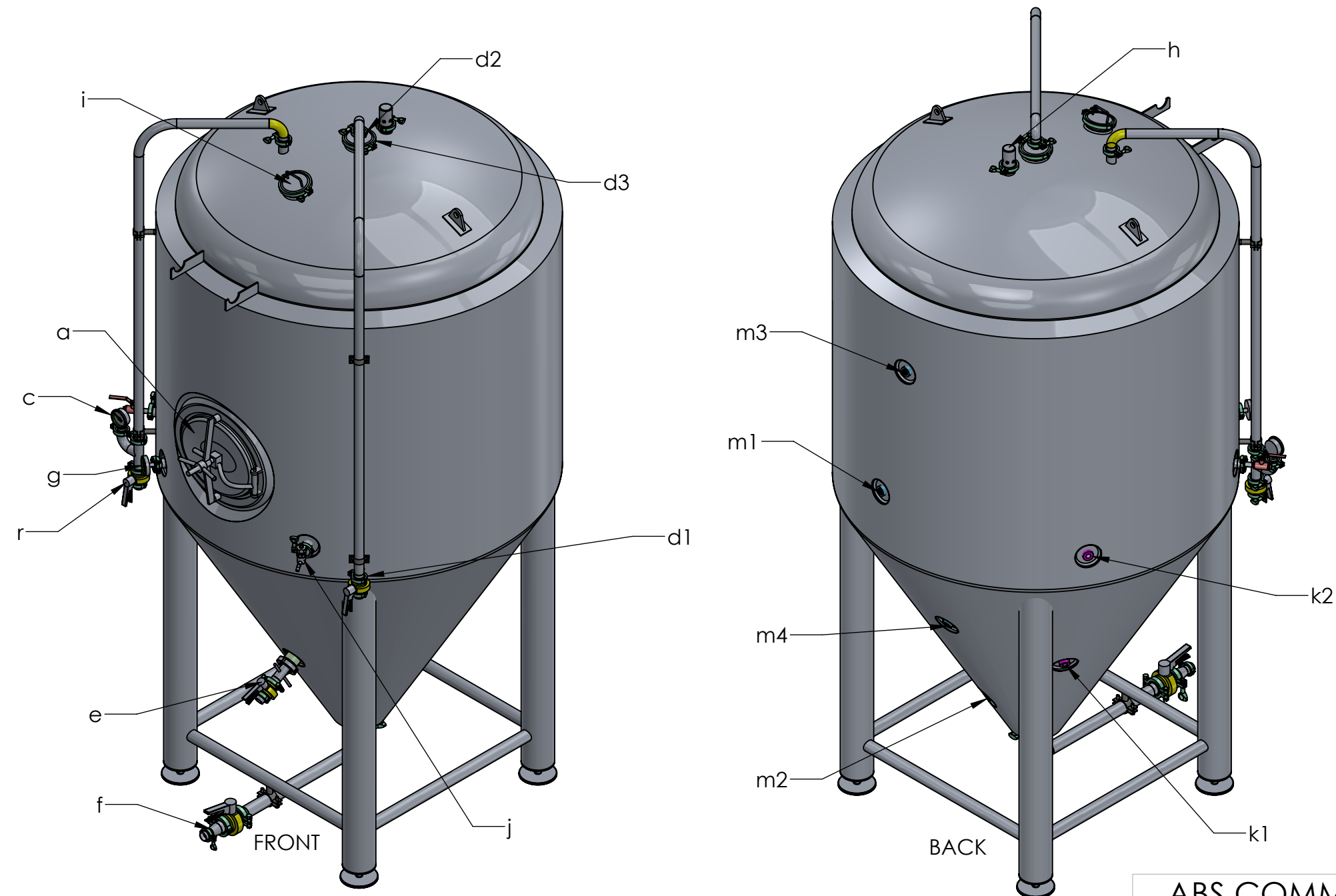


Design Data Sheet					
Design Parameters (Metric)			Design Parameters (US Standard)		
Working Pressure (MPa)	Vessel	Jacket	Working Pressure (psi)	Vessel	Jacket
Design Pressure (MPa)	0.1	0.1	Design Pressure (psi)	14.5	14.5
Working Temp (°C)	-5 - 40		Working Temp (°F)	23 - 104	
Design Temp (°C)	-10 - 50		Design Temp (°F)	14 - 122	
Material	Beer	Glycol	Material	Beer	Glycol
Gross Voume (gal)	304	304	Gross Voume (gal)	304	304
Net Volume (gal)	809.1 (26.1BBL)		Net Volume (gal)	809.1 (26.1BBL)	
Saftey Valve Act Pressure (MPa)	620 (20BBL)	15	Saftey Valve Act Pressure (psi)	620 (20BBL)	15
Heat Exchange Area (m²)	0.1		Heat Exchange Area (ft²)	14.5	
Insulation Material	5.6		Insulation Material	60.3	
Insulation Thickness (mm)	PU		Insulation Thickness (in)	PU	
Pressure Test (MPa)	80		Pressure Test (psi)	3.2	
	0.2	0.6		29	87



Dimensions								
	Name	Connect Size (mm)	Connect Size (in)	Connect Type	Comments		(mm)	(in)
a	Manhole	580x480	22.9x18.9			Total Height	3221	126.8
b	CO2 Inlet	38.1	1.5	Clamp		Minimum Height	3079	121.2
c	Pressure Gauge	38.1	1.5	Clamp		Total Diameter	1813	71.4
d1-2	CIP Assembly Clamp	38.1	1.5	Clamp	2 clamps	Tank Diameter	1614	63.5
d3	CIP Converter Clamp	101.6	4	Clamp		Ceiling Clearance	3160	124.2
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"	2	
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	620	1366.9
m1-2	Glycol In		NPT ¾"	Female Threaded				
m3-4	Glycol Out		NPT ¾"	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: **20BBL FER** REV: **2**

SCALE: 1:20 SHEET 1 OF 1