

00-117111

Technical drawing of a 21-inch FRP pressure vessel (single opening). The drawing includes a main elevation view, a detail view of the top opening, and a table of dimensions.

Main Elevation View Dimensions:

- Overall Height (A): 140 ± 25 [5.51 ± .98]
- Top Opening Diameter: ø133.5 ± 1 [5.256 ± .039]
- Chamfer Diameter: ø109.3 ± 0.3 O.D. OF CHAMFER [4.303 ± .012]
- Base Diameter: ø101.7 [ø4.004 ± 0.039 / -0.004]
- Base Thickness: 4 ± 0.25 [.158 ± .01]
- Base Material: 4"-8UN [0.6mm (.024") B]
- Overall Diameter: ø555 [ø21.85]
- Base Diameter: ø20.31 [ø78]
- Base Thickness: ø3.07 [ø3.07]
- Base Material: ø516 [ø516]

Detail View Dimensions:

- Top Opening Diameter: ø133.5 ± 1 [5.256 ± .039]
- Chamfer Diameter: ø109.3 ± 0.3 O.D. OF CHAMFER [4.303 ± .012]
- Base Diameter: ø101.7 [ø4.004 ± 0.039 / -0.004]
- Base Thickness: 4 ± 0.25 [.158 ± .01]
- Base Material: 4"-8UN [0.6mm (.024") B]

Table of Dimensions:

MODEL	A		+/-		VOLUME			DOME VOLUME			WEIGHT	
	mm	inch	mm	inch	liters	U.S. gal	cubic FT	liters	U.S. gal	cubic FT	Kg	LBS
21x62	1721	67.76	15	0.59	344	90.88	12.16	24.96	6.59	0.88	33.5	73.7
21x36	1002	39.45	15	0.59	164	43.33	5.80	24.96	6.59	0.88	24.1	53.0
21x53	1434	54.46	15	0.59	277	73.18	7.79	24.96	6.59	0.88	31.3	68.9

NOTES:

- TANK MUST MEET ALL APPLICABLE SPECIFICATIONS OF NSF/ANSI 044 STANDARD, LATEST REVISION.
- OPERATING SPECIFICATIONS:
 - A. MAXIMUM WORKING PRESSURE - 150 PSI (10.5 BAR)
 - B. TEMPERATURE RANGE - 34-120° F (1-49°C)
 - C. MAXIMUM VACUUM - 5"Hg (127mm Hg)
- VISUAL LINER INSPECTION
 - A. NO MORE THAN 10 INTERNAL OR EXTERNAL BLEMISHES OR BURNT DEBRIS.
 - B. NO INTERNAL OR EXTERNAL BLEMISHES OR BURNT DEBRIS LARGER THAN 3x3mm.
 - C. NO INTERNAL BLEMISHES OR BURNT DEBRIS ALLOWED.
- ALL GLASS STRANDS FROM FIBERGLASS LINER TO BE BONDED AND COVERED.
- SURFACE TO BE FREE OF NICKS, SCRATCHES, RESIN AND GLASS.
- SURFACE FINISH.
- DIMENSIONS IN PARENTHESIS ARE REFERENCE ONLY.
- DIMENSIONS IN SQUARE PARENTHESIS ARE INCH UNIT.
- TANK TO BE BONDED TO BASE.
- USING A STANDARD LEVEL WITH TANK POSITIONED ON A LEVEL SURFACE, DATUM B TO BE PARALLEL WITH DATUM A. BUBBLE OF LEVEL MUST FALL COMPLETELY WITHIN LINES WHEN MEASURED AT 90° INTERVALS.

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WAVE CYBER (SHANGHAI) CO., LTD.

21" FRP PRESSURE VESSEL (SINGLE OPENING)

11211-00

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DO NOT MEASURE THE DIMENSIONS.

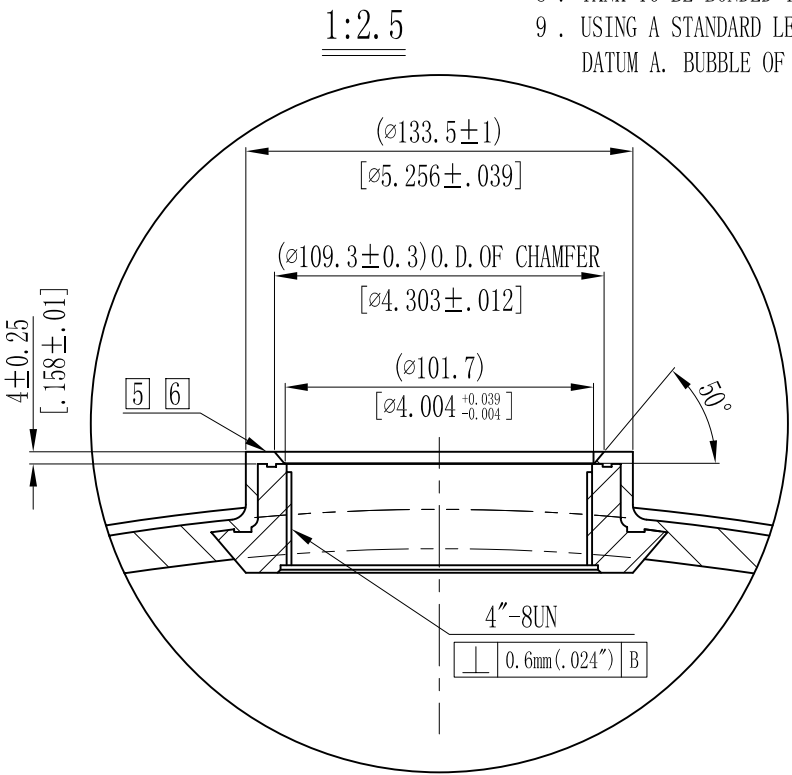
UNIT: MM

TOTAL PAGE: 1

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- 6 . SURFACE FINISH.
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7	THIS DRAWING IS UPDATED COMPLYING WITH THE CHINESE VERSION					2009/02/02
VERSION NO.	DESCRIPTION OF CHANGES:				SIGNATURE	DATE
REFERENTIAL PLASTIC SHRINKAGE (IF NECESSARY):			 WAVE CYBER (SHANGHAI) CO., LTD.			
SIGNATURE						
	NAME	DATE	SCALE 1 : 5	MATERIAL	MODEL DESCRIPTION 21"FRP PRESSURE VESSEL (SINGLE OPENING)	
DESIGN						
INSPECTION						
APPROVAL			QUANTITY	SMOOTHNESS		
THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER.			PROJECTION 	COMPUTER CODE	DRAWING NO. 11211-00	VERSION NO. 7
			DO NOT MEASURE THE DIMENSIONS.		UNIT: MM	TOTAL PAGE: 1