

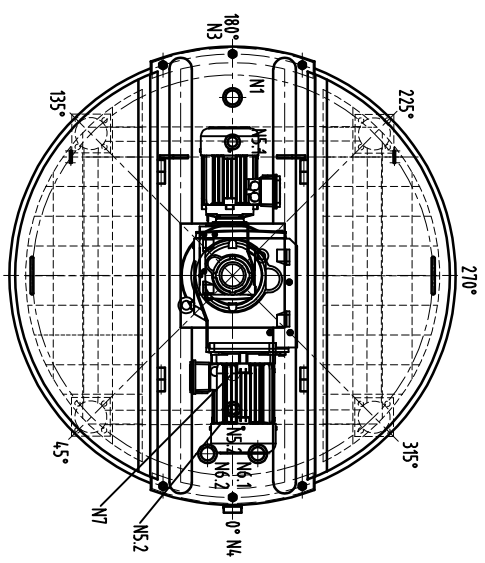
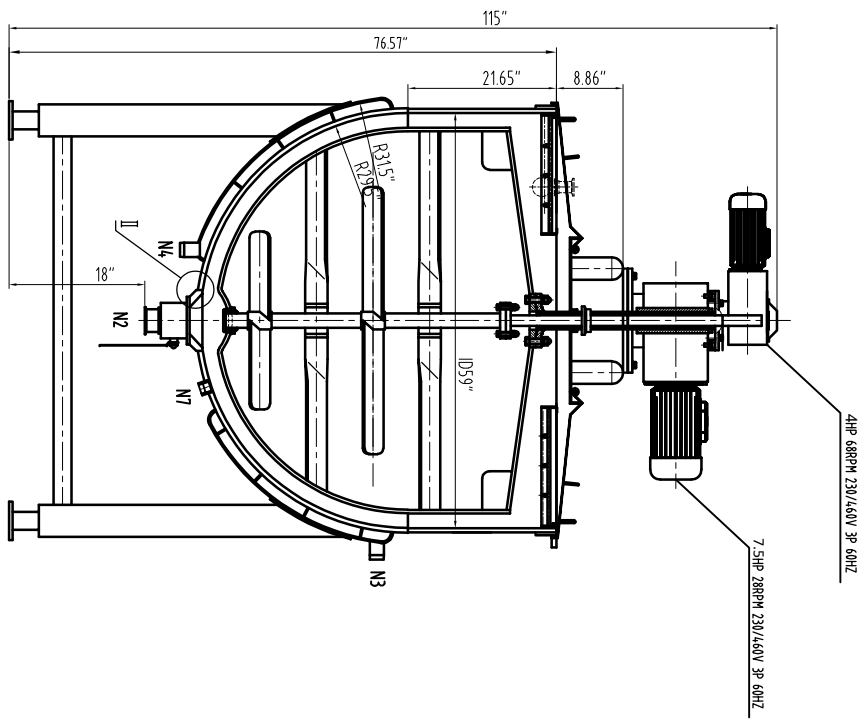
DESIGN DATA SHEET

CODE ASME BPVC SECTION VIII DIVISION I 2021 EDITION.

FLUID	SHELL	JACKET	ASME STAMP	YES WITH U DESIGNATION FOR JACKET ONLY
FLUID PERFORMANCE		STEAM	WELDING ROD TYPE	AS PER WPS
FLUID PERFORMANCE	Non lethal	Non lethal	WELDING REGULATION	NOTE 2
WORKING TEMPERATURE °F	320	320	WELD STRUCTURE	WELDING METHOD AND WPS
WORKING PRESSURE P _{SI}	0	85	THICKNESS OF FILLET WELD EXCEPT WELDED TO THE THICKNESS OF THICKER PLATE	4:1.15
DESIGN TEMPERATURE °F	325	325	PRESSURE TEST TEMPERATURE °F	4:1.15
WDMT	-4	-4°F AT WDMT	WELDING JOINT CATEGORY	RTND EXAMINE AT C STD
DESIGN PRESSURE P _{SI}	0	99# AT 35°F	WDMT	90°F RT
MAWP	0	99# AT 35°F	CD	50% TND
CORROSION ALLOWANCE in	0	TOTAL CAPACITY	Gd	446
JOINT FREQUENCY Shell/Head	0.85/0.85	IMPACT TEST		Exempt per UHA-51
HYDRO TEST PRESSURE P _{SI}	117	HEAT TREATMENT		Exempt per UHA-32, UHA-44
GAS LEAKAGE TEST PRESSURE P _{SI}	NA	WET MASS PER COUP.		
NOZZLE ORIENTATION	AS PER THIS DRAWING	OPENING MASS		
WELDING PERMANENT WELD SA-324 316L SA-324 316L SA-312 TP304L		FILL WELD MASS		
FILL COEFFICIENT		INSULATION THICKNESS in		
MAWP NOMINAL SIZE QTY/ CONNECTING SIZE AND STANDARD	FACE	SERVICE	REMARKS	
N1 2" 1	3A	TC	FEED INLET	
N2 3" 1	FLAT		OUTLET	
N3 15" 1	ASME B120.1-2013	15WPT	STEAM INLET	
N4 15" 1	ASME B120.1-2013	15WPT	STEAM OUTLET	
N5 15" 2	3A	TC	CP	
N6 2" 2	3A	TC	FEED INLET	
N7 1 1/4" 1		UNC	Temperature sensor	

Technical Requirement

- 1.Having a carbon content not exceeding 0.10% and produced with filler metals conforming to sfa-5.9.
- 2.Unless otherwise specified,all the groove welding joints for pressure parts are of full penetration type, continuous, and shall be welded as per the wps designated by jic; Finished longitudinal and circumferential joints conform to UW-35.
- 3.Unless otherwise specified, does not indicate the size tolerance and see the program file Q/HD-PD-03-2011.
- 4.Interior finish : Ra0.8,Exterior finish: Ra0.8,
- 5.The user shall be in charge for installing safety devices in outer pipe system connected to this tank, and to ensure the pressure in the tank not exceeding its MAWP pressure.
- 6.This equipment's packing and transportation shall conform to the regulation of [Pressure Vessel Coating and Transportation Packing] ,JB4711-2003.



3					
2					
1					
REV.NO.		DESCRIPTION		APPROVED BY	DATE

		SHAAUXI HONGDA INDUSTRY CO., LTD		DRAWING NO. Invention-400-01-HA	
APPROVED BY		400USG SPHERICAL TANK		PROJECT NUMBER Invention-400-01-HA	
DECKED BY				GENERAL DRAWING	
APPROVED BY		SCALE 1:9	WEIGHT	REV 1	TOTAL: 1
					PAGE: 1