

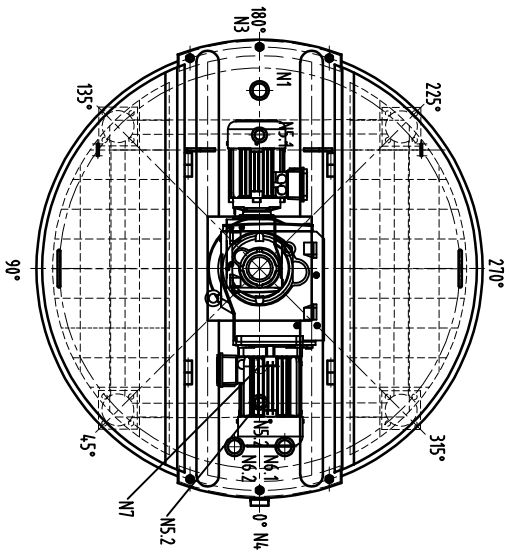
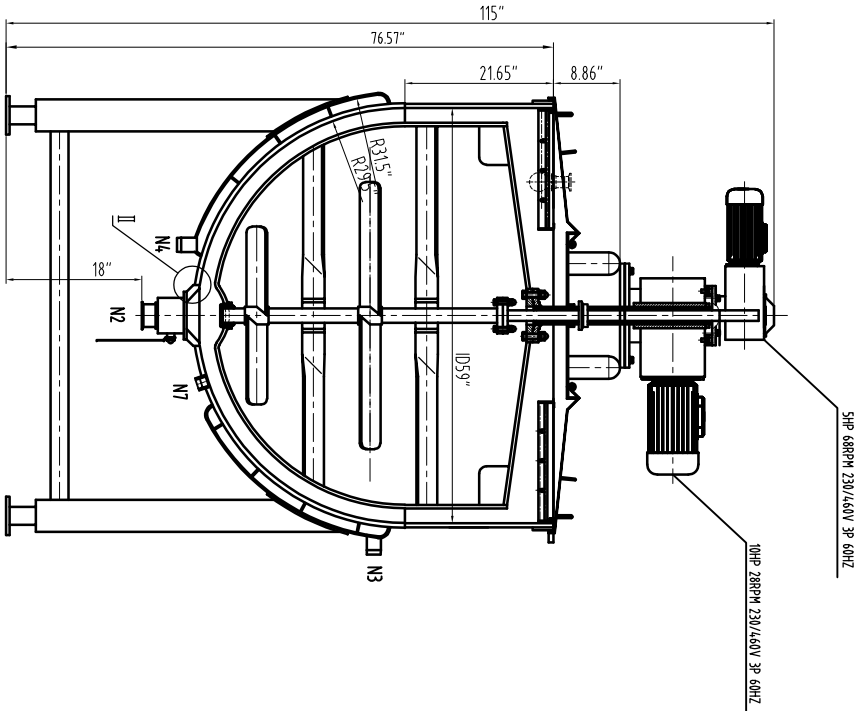
DESIGN DATA SHEET

CODE ASME BPVC SECTION VIII DIVISION I 2021 EDITION.

	SHELL	JACKET	ASME STAMP	YES WITH U DESIGNATION FOR JACKET ONLY
FLUID	STEAM	STEAM	WELDING ROD TYPE	AS PER WPS
FLUID PERFORMANCE	Non lethal	Non lethal	WELDING REGULATION	NOTE 2
WORKING TEMPERATURE °F	320	320	WELD STRUCTURE	PERMITS WELDING WITH INSULATION
WORKING PRESSURE P _{SH} 0	85	THICKNESS OF THICK WELDED JOINTS MUST BE PER THE THICKNESS OF THICK WELDED JOINTS	THICKNESS OF THICK WELDED JOINTS MUST BE PER THE THICKNESS OF THICK WELDED JOINTS	4.1-15
DESIGN TEMPERATURE °F	325	325	PRESSURE TEST TEMPERATURE °F	4.1-15
WDMT	-4	-4°F AT WDMT	WELDING JOINT CATEGORY	WDMT EXHAUSTIVE A.C. STD.
DESIGN PRESSURE P _{SH} 0	900 PSI AT 325°F	NO DE	A.B	907 PSI AT 325°F
MAWP	0	900 PSI AT 325°F	CD	907 PSI AT 325°F
CORROSION ALLOWANCE in	0	TOTAL CAPACITY	GAL	446
JOINT FREQUENCY Shell/Head	0.85/0.85	IMPACT TEST	Emptied per UHA-51	
HYDRO TEST PRESSURE P _{SH}	117	HEAT TREATMENT	Emptied per UHA-32, UHA-44	
GAS LEAKAGE TEST PRESSURE P _{SH}	NA	WET MASS PER EQUIP.		
NOZZLE ORIENTATION	AS PER THIS DRAWING	MASS	WEIGHING MASS	
WATER (OR NON PRESSURE WIND) SA-219 30K SA-240 30K SA-312 17.30K		FILL WATER MASS		
FILL COEFFICIENT		INSULATION THICKNESS in		
NOZZLE SCHEDULE				
NOZZLE NOMINAL SIZE	QTY	CONNECTING SIZE AND STANDARD	FACE	SERVICE
N1 2"	1	3A	TC	FEED INLET
N2 3"	1	FLAT	OUTLET	
N3 15"	1	ASME B1.20.1-2013	15WPT	STEAM INLET
N4 15"	1	ASME B1.20.1-2013	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	PREPARED BY	CHECKED BY	DATE	
SHANXI HONGDA INDUSTRY CO., LTD					
400USG SPHERICAL TANK					
GENERAL DRAWING					
APPROVED BY	SCALE	1:9	WEIGHT	REV	TOTAL
				1	1
				PAGE	1
				12	