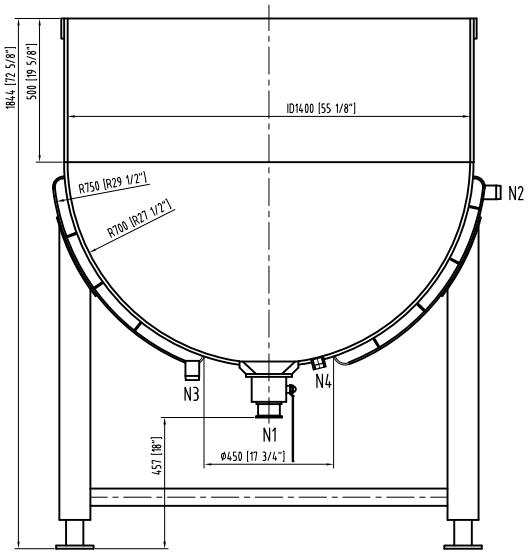
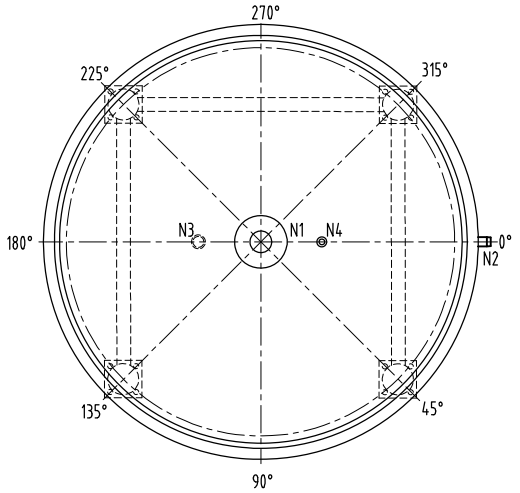




DESIGN DATA SHEET

CODE	ASME BPVC SECTION VIII DIUISION 1 2023 EDITION.				
	SHELL	JACKET	ASME STAMP		YES,WITH U DESIGNATOR FOR JACKET ONLY
FLUID	/	STEAM	WELDING ROD TYPE		AS PER WPS
FLUID PERFORMANCE	Non lethal	Non lethal	WELDING REGULATION		NOTE 2
WORKING TEMPERATURE °F	320	320	WELD STRUCTURE		COMPRESSION STRUCTURE JUMPS FULL PENETRATION
WORKING PRESSURE Psi	0	85	THICKNESS OF FILLET WELD EXCEPT NOTED		AS PER THE THICKNESS OF THINNER PLATE
DESIGN TEMPERATURE °F	325	325	PRESSURE TEST TEMPERATURE °F		41-115
MDMT °F	-4	-4°F AT 90Psi	N.D.E.	WELDING JOINT CATEGORY	METHOD-EXCRATE ACC. STD.
DESIGN PRESSURE Psi	0	90Psi AT 325°F		A,B	SPOT RT UW-11(b) UW-52
MAWP Psi	0	90Psi AT 325°F		C,D	/ /
CORROSION ALLOWANCE in	0		TOTAL CAPACITY Gal		372
JOINT EFFICIENCY Shell/ head	0.85/0.85		IMPACT TEST		Exempted per UHA-51
HYDRO. TEST PRESSURE Psi	117		HEAT TREATMENT		Exempted per UHA-32, UHA-44
GAS LEAKAGE TEST PRESSURE Psi	NA		MASS	NET MASS FOR EQUIP.	
NOZZLE ORIENTATION	AS PER THIS DRAWNING			OPERATING MASS	/
MATERIAL FOR MAIN PRESSURE PARTS	SA-240 304 SA-240 316L SA-312 TP304			FULL WATER MASS	/
FULL COEFFICIENT	/		INSULATION THICKNESS in		/

NOZZLE SCHEDULE

MARK	NOMINAL SIZE	QTY.	CONNECTING SIZE AND STANDARD	FACE	SERVICE	REMARKS
N1	3"	1	3A	TC	OUTLET	
N2	1.5"	1	ASME B1.20.1-2013	1.5"NPT	STEAM OUTLET	
N3	1.5"	1	ASME B1.20.1-2013	1.5"NPT	STEAM INLET	
N4	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.

REV.NO.	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY	DATE
3					
2					
1					

SHAANXI HONGDA INDUSTRY CO., LTD

PREPARED BY	300USG SPHERICAL TANK	DRAWING NO.	Intention-300-01-HA
CHECKED BY		PROJECT NUMBER	Intention-300-01-HA
APPROVED BY	SCALE 1:8 WEIGHT	GENERAL DRAWING	
		REV 0	TOTAL: 1 PAGE : 1