

DESIGN DATA SHEET

CODE ASME BPVC SECTION VIII DIVISION I 2021 EDITION.

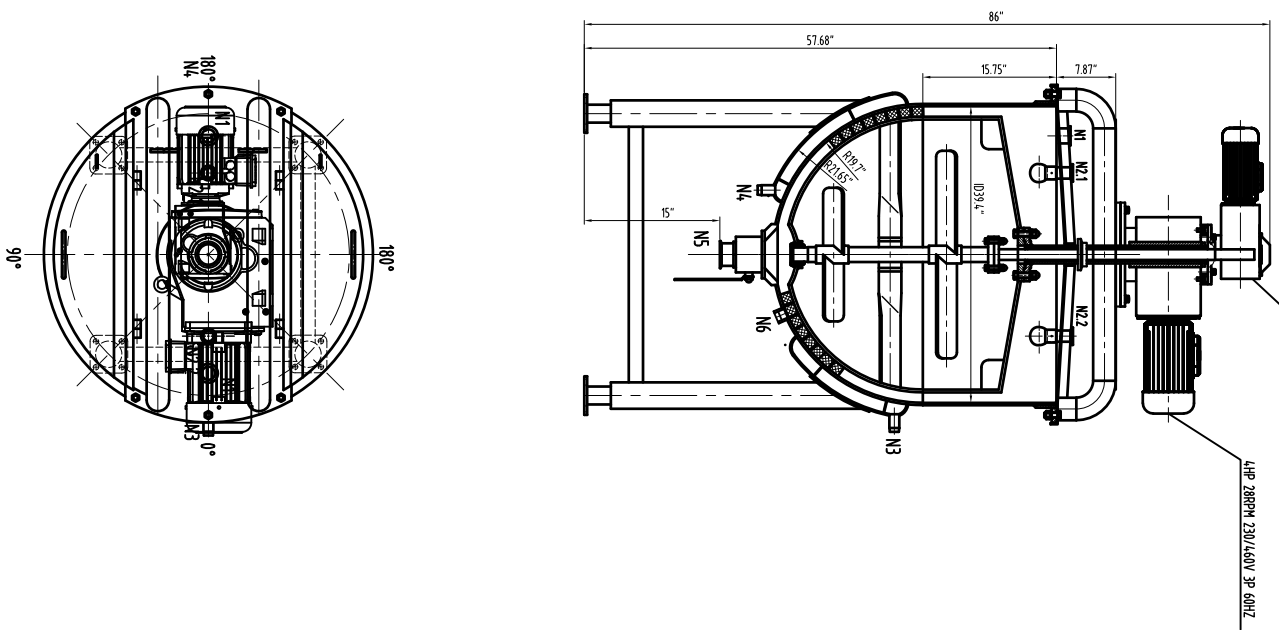
FLUID	SHELL	JACKET	ASME STAMP	YES/NO/1 DESIGNATION FOR JACKET ONLY
FLUID PERFORMANCE	Non lethal	Non lethal	WELDING ROD TYPE	AS PER WP-5
WORKING TEMPERATURE °F	320	320	WELDING REGULATION	NOTE 2
WORKING PRESSURE Psi	0	85	WELDED STRUCTURE	PERMANENT WELDING SYMBOLS
DESIGN TEMPERATURE °F	325	325	THICKNESS OF THICK END EXCEPT W/TO 1/8 IN PER INCHES OF NOMINAL	4-1/16
HEIGHT	4'-4" AT 100#	4'-4" AT 100#	PRESSURE TEST TEMPERATURE °F	ACT. STD.
DESIGN PRESSURE Psi	0	90# AT 300#	WELDING JOINT CATEGORY	AW-52
MAWP	0	90# AT 300#	NODE	A,B
CORROSION ALLOWANCE in	0	0	CD	
JOINT EFFICIENCY Shell/Head	0.85/0.85		TOTAL CAPACITY	52
HYDRO. TEST PRESSURE Psi	110		IMPACT TEST	Emperd per UHA-51
FLASKING TEST PRESSURE Psi	NA		HEAT TREATMENT	Emperd per UHA-51, UHA-44
NOZZLE ORIENTATION	AS PER THIS DRAWING		NET MASS PER BUMP	
NOMINAL PERMANENT MASS	SA-312 316L SA-314 316L		WELDING MASS	
FULL COEFFICIENT	SA-312 316L SA-314 316L		FILL WELD MASS	
			INSULATION THICKNESS in	

NOZZLE SCHEDULE

MARK	NOMINAL SIZE	QTY	CONNECTING SIZE AND STANDARD	FACE	SERVICE	REMARKS
N1	2"	2	3A	TC	FEED INLET	
N2	1.5"	2		TC	CR	
N3	1.5"	1	ASME B120.1-2013	15WP1	STEAM INLET	
N4	1.5"	1	ASME B120.1-2013	15WP1	STEAM OUTLET	
N5	3"	1	3A	TC	OUTLET	
N6	1 1/4"	1	UNC	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] ,JB4771-2003.



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

PREPARED BY	SHAANXI HONGDA INDUSTRY CO., LTD
CHECKED BY	100USG SPHERICAL TANK
APPROVED BY	SCALE: 1/9 WEIGHT

PACKING NO.	INVENTION NO.
PRODUCT NUMBER	INVENTION NO.
GENERAL DRAWING	
REV 1	TOTAL 1
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