

DESIGN DATA SHEET

CODE	ASME BPVC SECTION VIII DIVISION 1 2025 EDITION
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FLUID		SHELL	JACKET	ASME STAMP		TEST WITH 100% DESIGN OR FOR ALLOY ONLY
FLUID PERFORMANCE		✓	STEAM	WELDING ROJ TYPE		
WORKING TEMPERATURE		°F	<352	<352	WELDING REGULATION	NOTE 2
WORKING PRESSURE		Psi	0	<15	WELD STRUCTURE	DESIGN BUILT UNDER THE REGULATION DO NOT EXCEED 100% FLAME
WORKING TEMPERATURE		°F	352	352	THICKNESS OF FLUENT AND JACKET WELDED	
DESIGN TEMPERATURE		°F	-20	-10°F AT 2500	PRESSURE TEST TEMPERATURE °F	44-115
DESIGN PRESSURE		Psi	0	2500 AT 300°	WELDING JOINT CATEGORY	RETROGRADE (ALL STD.)
MAWP		Psi	0	2500 AT 300°		
DESIGN ALLOWANCE		in	0	0.85/0.85	NOTE	SPOT RT UW-52
DESIGN TEST PRESSURE		Psi	MS	HEAT TREATMENT	CD	UW-52
GAS LIQUID TEST PRESSURE		Psi	MA	WELT MASS FOR COUP.		
NOZZLE ORIENTATION		AS PER THIS DRAWING		MASS	INSULATION THICKNESS in	
WELDED JOINT WELDING WAYS		SA-312 304 SA-312 304L	SA-312 304L	WELD WAYS		
TOLL COEFFICIENT		SA-312 304L		INSULATION THICKNESS in		

NOZZLE SCHEDULE						
HAZOP	NOZZLE SIZE	QTY	CONNECTING SIZE AND STANDARD	FACE	SERVICE	REMARKS
M1	2"	2	3A	TC	INLET	
M2	1 1/2"	1	3A	TC	CP	
M3	1 1/2"	2	ASME B1.20.1-2013	15" NPT	STEAM INLET	
M4	1 1/2"	2	ASME B1.20.1-2013	15" NPT	STEAM OUTLET	
M5	1/2"	1	ASME B1.20.1-2013	FNPT 1/2"	THERMOCHER	
M6	2"	1	3A	TC	OUTLET	
M7	2 1/2"	1	VAB		MANWAY	
M8	3"	1	3A	TC	Liquid sugar Inlet	
M9	3"	1	3A	TC	hvert Inlet	
M10	3"	1	3A	TC	Glucose Inlet	
M11	3"	1	3A	TC	Extra	
M12	8"	1	3A	TC	Exhaust Vent	

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 JIG. Finished longitudinal and circumferential joints conform to UW-35.

3. Unless otherwise specified, d
program file Q/HD-PD-03-2011,

4. Interior finish : Ra0.8, Exterior finish: Ra0.8,

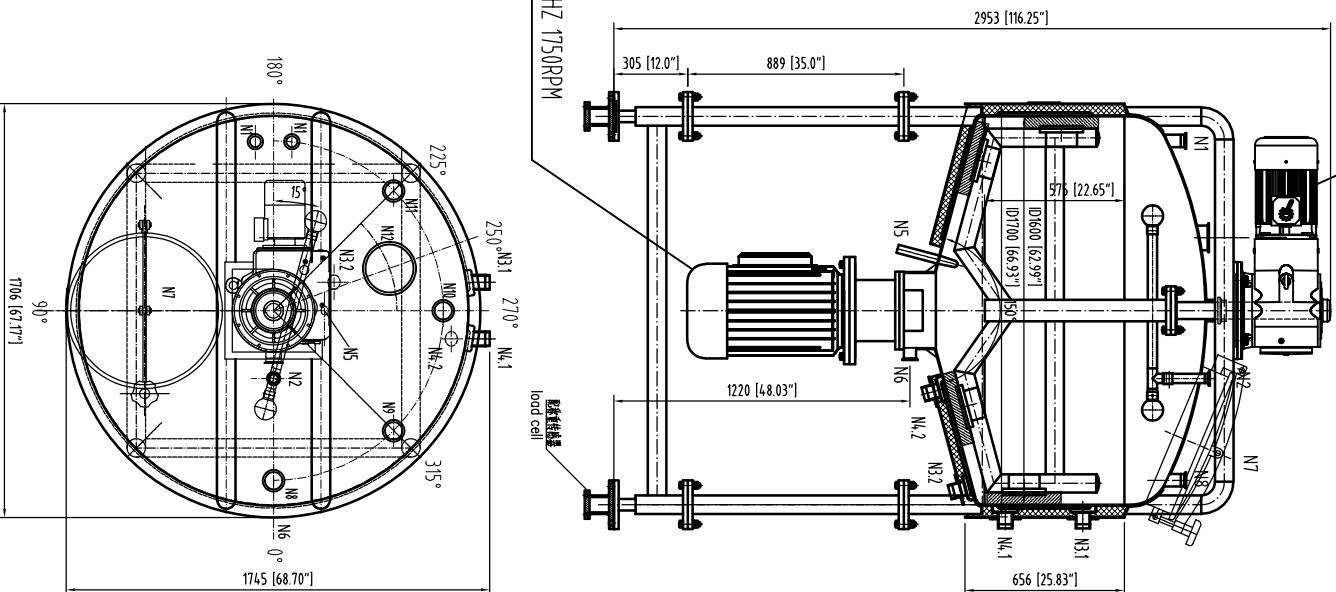
5. The user shall be in charge for installing safety devices in outer pipe system connected to this tank, and to ensure the pressure in the tank not exceeding its MAWP pressure.

6. This equipment's packing and transportation shall conform to the regulation of [Pressure Vessel Coating and Transportation Packing], JB4711-2003.

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

 SHANXI HONGDA INDUSTRY CO., LTD.		DRAWING NO. 16H05-01-HA-300	
PREPARED BY CHENGBY	300USG JACKET EMULSIFICATION MACHINE	PROJECT NUMBER 26-1005-01-HA	
CHECKED BY CHENGBY		GENERAL DRAWING	
APPROVED BY CHENGBY		REV 3	
SCALE 1:9	WEIGHT	TOTAL: 1 PAGE: 1	



40HP 575V 3P 60HZ 1750RPM