



NO.	DESCRIPTION	QTY	UNIT	STANDARD	QTY	UNIT	STANDARD	QTY	UNIT	STANDARD				
42	DIN11851	FERRULE UNION	29	1	SA-182M F304/EPDM	0.4		19	XT17008R-05	CONE HEAD	1100/ID880x4 ±35° R:110	1	SA-240M 304(2B)	62
41		PAD	4t	3	SA-240M 304	1	3	18	XT17008R-04	NAMEPLATE ASSEMBLY		1	304	0.5
40		PLATE	3t	3	304	0.1	0.3	17		ROUND STEEL	φ20 L=800	1	304	2
39	XTQB02-03	VENT SOCKET		1	304	0.2		16		BASE PLATE	φ60x2t	2	304-2B	0.1
38		INSULATION TRAY	φ127/φ42x3	1	304-2B	0.8		15		ROUND MANWAY WITH SIGHT GLASS	ID:400x4 H=125	1	SA-240M 304/EPDM	20
37	3A	PIPE	φ38.1x1.65 L=62	1	SA-312M TP304	0.1		14		RELIEF VALVE	2"	1	304/EPDM	2.5
36	3A	CLAMP FERRULE	15" (φ38.1) L=127	1	SA-182M F304	0.1		13		LIFTING LUG	φ10	2	304	1
35	3A	FERRULE UNION	25" (φ63.5) L=127	1	SA-182M F304/EPDM	0.6		12		BASE PLATE	80x190x5t	2	SA-240M 304(2B)	0.6
34	3A	PIPE	φ63.5x1.65 L=168	1	SA-312M TP304	0.4		11	XT17008R-03	SPHERICAL HEAD	1100x5(min3.5)	1	SA-240M 304	50
33	(LYSF)DQW-03	CLAMP ASEPTIC SAMPLE VALVE	UN25	1	SA-182M F304/EPDM	0.5		10		COVER PLATE	φ3	1	304-2B	10
32		HORN PLATE	φ3	1	304-2B	0.5		9		INSULATION SHELL	ID:1268x2 H=1271	1	304 (DRAWPLATE)	80
31		HORN PLATE	φ3	1	304-2B	0.5		8		INSULATION	80t	1	PU	4.0
30	0900579250	TEMPERATURE TRANSPORT	G3/4"	1	SA-182M F316L	0.1		7	XT17008R-02	SHELL & JACKET		1	SA-240M 304(2B)	155.3
29	(LYSF)GSZ-01	ROTARY SPARY HEAD	φ45 (φ25.4)	1	304	0.5		6		ROTARY VALVE	2 1/2" -180°	1	SA-182M F304/EPDM	3
28	3A	PIPE	φ25.4x1.65 L=40	1	SA-312M TP304	0.04		5	XT17008R-01	CONE & JACKET		1	SA-240M 304(2B)	4.5
27	3A	REDUCER CONCENTRIC	φ38.1/φ25.4x1.65 L=60.3	1	SA-403M WP304	0.2		4		INSULATION CONE	ID:1268/ID:1202x2 ±35° R:25	1	304 (DRAWPLATE)	34.5
26	3A	PIPE	φ38.1x1.65 L=94	1	SA-312M TP304	0.2		3		LEG	φ114x4 L=1321	3	304	14.34

DESIGN DATA TABLE		DESIGN .FABRICATION AND INSPECTION STANDARD	
DESIGN PARAMETER	DESIGN .FABRICATION AND INSPECTION STANDARD	1.ASME BOILER AND PRESSURE VESSEL CODE, SECT.III DIV.1, 2015ED	
REGISTRATION REQUIRED YES/NO	YES		
NB REGISTRATION REQUIRED YES/NO	NO		
PARAMETER NAME	SHELL	JACKET	
DESIGN PRESSURE	2	6	
WORK PRESSURE	2	4	
MAWP	2	6	
DESIGN TEMPERATURE	-10/40	-10/40	
WORK TEMPERATURE	-4/40	-4/40	
MDMT	-10	-10	
MEDIUM NAME	BEER	GLYCOL WATER	
MEDIUM CHARACTERISTIC	NON-LETHAL	NON-LETHAL	
MEDIUM GROUP	/	/	
MEDIUM DENSITY	1040	950	
MAIN PRESSURE PART MATERIAL	SA-240M 304	SA-240M 304	
CORROSION ALLOWANCE	0	0	
JOINT EFFICIENCY (SHELL/HEAD)	0.85/1	0.8	
CAPACITY	1.6	0.005	
HEAT TRANSFER AREA	2.8		
INSULATION MATERIAL	PU 40~50kg/m ³		
INSULATION THICKNESS	80		
EQUIPMENT NET WEIGHT	580		
WEIGHT FULL OF WATER	2185		
OPERATION WEIGHT	1755		

TECHNIQUE REQUIRED:

- THE EQUIPMENT MANUFACTURING HAS BEEN COMPLETED, THE INNER SURFACE HAS NO WELDING GAP AND THE OUTER SURFACE HAS NO SCRATCHES.
- BOLT HOLES IN FLANGES SHALL BE STRAIGHT THE PRINCIPAL CENTER LINES OF VESSELS.
- UNLESS OTHERWISE SPECIFIED, DIMENSIONS SHOULD BE IN MILLIMETER, AND THE FABRICATION TOLERANCE SHALL BE AS GRADE C OF GB/T 19804-2005.
- AFTER FULL WATER TEST, THE WATER SHOULD BE CLEANED IF CAN NOT MEET THE REQUIREMENTS, THE CHLORIDE OF WATER SHOULD BE NO MORE THAN 25MG/L.
- WHEN ONLY ONE SIDE OF FILLET WELD LEG IS SPECIFIED, THE OTHER SIDE SHALL BE CONSIDERED EQUAL, HOWEVER, WHEN THE FILLET WELD IS BUILT UP ON GROOVE WELD, THE LEG SIZE OF THIS SIDE MAY BE EQUAL TO GROOVE OPENING WHEN THE GROOVE OPENING IS NOT LESS THAN THE LEG SIZE.
- THE INNER SURFACE OF EQUIPMENT INCLUDING ATTACHMENTS ARE POLISHED TO RA3.0μm EXCEPT 2B PLATE.
- THE OUTER SURFACE OF EQUIPMENT ARE POLISHED TO RA50.0μm EXCEPT DRAWING PLATE.
- ALL RIGHT ANGLES OF INTERIOR EQUIPMENT SHOULD BE ROUNDED REQUIRED.
- HOUSING WELD INSPECTION AFTER PASSING THE PACKAGE HOUSING.
- STAINLESS STEEL OUTER SURFACE FOR THE INSULATION LAYER BEFORE COATED WITH EPOXY 522 PAINT TO: (KUNSHAN SECRETARY SIOGAKALON PRODUCTION) PAINT TO: 7420 SIGMACOVER 522, A TOTAL OF PAINTED TWO-STORY, EACH LAYER THICKNESS OF 80UM.
- THE ORIENTATION OF THE NOZZLES IS ACCORDING TO TOP VIEW.
- INSIDE OF JACKET HAS TAKEN TO PREVENT SHORT-CIRCUITING.
- ALL WELDS IN PRESSURE RETAINING PARTS SHALL BE FULL PENETRATION WELDS.

NOZZLE SCHEDULE					
MARK	NPS(DN)	CONNECTIONS SIZES STANDARDS	TYPE & FACE	SERVICE	REMARK
N1	1.5"	3A φ38.1x1.65	CLAMP	OUTLET	
N2	1.5"	3A φ38.1x1.65	CLAMP	OUTLET	
N3	1.5"	3A φ38.1x1.65	CLAMP	OP	
N5	1"	3A φ25.4x1.65	CLAMP	JACKET INLET	
N6	1"	3A φ25.4x1.65	CLAMP	JACKET INLET	
N7	1"	3A φ25.4x1.65	CLAMP	JACKET OUTLET	
N8	2"	3A φ55.7x4.09	CLAMP	RELIEF VALVE	
N9	165	DN165	/	SIGHT GLASS	
TT	G3/4"	/	SCREW	TEMPERATURE TRANSMITTER	
V	25	/	WELDING	SAMPLE	
M	ID.400	/	/	MANHOLE	

NO.	DRAWING NO. OR STANDARD	NAME	QTY	MATERIAL	UNIT	TOTAL WEIGHT (Kg)	REMARK
2	XTQB01-02	ADJUSTING PIN φD=φ114	3	304	3.5	10.5	
1		PIPE φ38x3 L=845	3	304	2.2	6.6	
<p>NO. DRAWING NO. OR STANDARD NAME QTY MATERIAL UNIT TOTAL WEIGHT (Kg) REMARK</p>							
<p>CS CEDARSTONE INDUSTRIES</p> <p>Cedarstone Industry, LLC 7432 Fairbanks North Houston Road Houston, Texas 77040</p>							
DRAW						VER. No. 1	
DESN						ITEM No. /	
CHKD						USA-CDS-FMT-1(XTOT17004)	
APPD						10BBL FERMENTATION TANK ASSEMBLY DWG	
SER.No. XT17-015~024							
DWG.No. XT17008R-00						SCALE 1:10 DRAW	