



	
DOC NUMBER: <b>569-DB7A-MEC-731-001</b>		CLIENT NUMBER: <b>PRD-MEC-DSH-026</b>	
CLIENT: <b>TAKEDA</b>			
PROJECT: <b>BURITI EPCVM PROJECT</b>			

DATA SHEET  
BLOWDOWN TANK  
BDT-7C-1

0	30/JUL/2021	ISSUED FOR CONSTRUCTION	ASO	LFF	RSP
B	28/JUN/2021	90% DD ISSUE	ASO	LFF	RSP
A	08/FEB/2021	30% DD ISSUE	ASO	LFF	MAJ
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV

   	
NUMBER: <b>569-DB7A-MEC-731-001</b>	CLIENT NR <b>PRD-MEC-DSH-026</b>
TITLE	SHEET: <b>2/4</b>
<b>BLOWDOWN TANK - BDT-7C-1</b>	REV.: <b>0</b>

## 1. REVISION HISTORY

Rev	Reason For Change
A	ORIGINAL ISSUE
B	Page 3, item 4.1: changed material from ASTM A-36 to ASTM A-285 GR.C
	Page 3, note 6: added
	Page 4, Nozzles: updated
0	ISSUED FOR CONSTRUCTION
	Page 4, Nozzles: updated

NUMBER: 569-DB7A-MEC-731-001

CLIENT NR PRD-MEC-DSH-026

TITLE

SHEET: 3/4

BLOWDOWN TANK - BDT-7C-1

REV.: 0

1	GENERAL		
1.1	SERVICE:	BLOWDOWN BOILERS AND DEAERATOR	ITEM Nº: BDT-7C-1
1.2	LOCAL:	7C BUILDING	QUANTITY: 1
1.3	MANUFACTURER:	(Note 1)	MANUFACTURING STANDARD:
1.4	APPLICABLE:	PROPOSAL	
2	OPERATION CONDITIONS (Note 2)		
2.1	CAPACITY (m <sup>3</sup> ):	1.0	STORED PRODUCT: WATER
2.2	INTERNAL DIAM. (mm):	1,100	CYLINDRICAL HEIGHT (mm): 1,500
2.3	OPERATION TEMPER. (° C):	100	DESIGN TEMPER. (° C): 200
2.4	DESIGN PRESS (barg):	0.5	HIDROSTATIC TEST (barg): 0.75
3	CONSTRUCTION (Note 2)		
3.1	TYPE OF TANK:	VERTICAL	SUPPORT: LEGS
3.2	ROOF:	FORMED HEAD ASME 6%	BOTTOM: FORMED HEAD ASME 6%
4	MATERIAL		
4.1	PLATES: SHELL:	ASTM A-285 GR.C	HEAD: ASTM A-285 GR.C BOTTOM: ASTM A-285 GR.C
4.2	NOZZLE FLANGES:	ASME/ASTM A-105	NOZZLE NECK: ASME/ASTM A-106 GR. B
4.3	BOLTS:	ASME/ASTM A-193 GR. B7	NUTS: ASME/ASTM A-194 GR. 2H
5	MATERIALS INSPECTION		
5.1	IN THE PLATE SUPPLIER:	YES	
5.2	IN THE EQUIPMENT MANUFACTURER:	YES	
5.3	IN THE CLIENT'S SITE:	YES	
6	TANK WEIGHT		
6.1	EMPTY (kg):	Note 1	FULL OF WATER (kg): Note 1
7	MINIMUM THCKNESS OF PLATES		
7.1	MINIMUM THCKNESS (mm):	5	
7.2	CORROSION OVERTHICKNESS (mm):	1	

Notes:

1) To be confirmed by supplier.

2) The supplier shall be responsible for all equipment dimensioning according to the operational conditions, as well as for the equipment support dimensioning.

3) Dimensional drawing of the equipment shall be part of the proposal.

4) A 150 mm projection should be expected until the face of the flanged nozzles.

5) Lifting lugs and grounding clips shall be included in the supply.

6) The equipment shall have external paint for 200°C (primer only). Consider in the Scope of supply thermal insulation for personal protection.

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CLIENT NR

**PRD-MEC-DSH-026**

TITLE

SHEET:  
**4/4**

**BLOWDOWN TANK - BDT-7C-1**

REV.:  
**0**

**NOZZLES**

POS	DIAM	QTY	CLAS	TYPE	FACE	THICKNESS	SERVICE	OBSERVATIONS
N1	2"	1	150#	WN	RF	SCH40	DISCHARGE (DEAER.R DA-7C-1)	ASME/ANSI B16.5
N2	2.1/2"	1	150#	WN	RF	SCH40	DISCHARGE (BOILER B-7C-1)	ASME/ANSI B16.5
N3	2.1/2"	1	150#	WN	RF	SCH40	DISCHARGE (BOILER B-7C-2)	ASME/ANSI B16.5
N4	2.1/2"	1	150#	WN	RF	SCH40	DISCHARGE (BOILER B-7C-3)	ASME/ANSI B16.5
N5	6"	1	150#	WN	RF	SCH40	STEAM OUTLET	ASME/ANSI B16.5
N6	3"	1	150#	SO	RF	SCH40	CONDENSATE DISCHARGE	ASME/ANSI B16.5
N7	6"	1	150#	SO	RF	SCH40	HANDHOLE	ASME/ANSI B16.5
N8	3/4"	1	3000#	BSP	-	-	DRAIN	WITH PLUG
N9	3/4"	1	3000#	BSP	-	-	VENT	WITH PLUG
N10	1.1/2"	1	150#	WN	RF	SCH40	COLD WATER INLET	ASME/ANSI B16.5
N11	1/2"	1	3000#	BSP	-	-	TIT-780041	-

**SKETCH**

