	
DOC NUMBER: 569-DB7A-AIC-742-001		CLIENT NUMBER: PRD-AIC-DSH-011	
CLIENT: TAKEDA/BAXALTA			
PROJECT: BURITI EPCVM PROJECT			

DATA SHEET RUPTURE DISC

1	17NOV2021	ISSUED FOR CONSTRUCTION UPDATED AS PER NOTES	MAB	MAF	RSP
0	13OCT2021	UPDAT TO ISSUED FOR CONSTRUCTION	MAB	MAF	RSP
B	13SEP2021	ISSUED FOR CONSTRUCTION	MAB	MAF	RSP
A	31MAR2021	60% DD ISSUE	MAB	MAF	RSP
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV

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RUPTURE DISC

REV.:
1

DOCUMENT REVIEW CONTROL

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RUPTURE DISC			REV.: 1
REFERENCE DOCUMENTS			

7A-Z-0-2-25	DRUG PRODUCT - HOT WFI STORAGE TANK - TQ-6401
7A-Z-0-2-02	DRUG PRODUCT - FORMULATION
7A-Z-0-2-22	DRUG PRODUCT - PORTABLE VESSEL CIP/SIP STATION - STA-4701
7A-Z-0-2-25	DRUG PRODUCT - HOT WFI STORAGE TANK - TQ-6401
PRD-AIC-LIS-046	INTEGRATED PROJECT SERVICES - INSTRUMENT SUGGESTED SUPPLIER LIST

GENERAL NOTES

- 1 - Each key must be appropriate for the classified area as indicated on the data sheet. the instrument must comply with the ordinance inmetro 83, dated
- 2 - The nameplate must be in aisi 316, contain the tag, the serial number and the model of the level switch and be permanently attached to the respective instrument.
- 3 - All electronic and electrical components subject to the attack of fungi and moisture must be tropicalized, that is, treated with a polyurethane cover or equivalent
- 4 - The manufacture / construction can only be started after the drawings and other documents related to the part considered have been returned approved without any comments received.
- 5 - Technical documents in general (drawings, technical specifications, data sheets and material requests, lists, manuals, etc.), must be identified.
- 6 - he assembly must have a disc active detection system, with sign for the control system being a spdt contact with capacity of 0.5 a in 24 vdc, repairable.
- 7 - Provide calibration certificates, materials, roughness and traceability in ASME BPE 2019, USP41, FDA, EHEDG service
- 8 - The parts in contact with the process fluid must have mechanical sanding according to ASME BPE SF1 standard with Max Ra. 0.51 µm according to table SF-2.4-1 - ASME BPE-2019 and external. Ra max. 0.8 µm.

REVISION 0 - NOTES
1- REVISED AS PER INSTRUMENT LIST NUMBER PRD-AIC-LIS-010_B_PCS_INSTRUMENT_INDEX AND BACKLOG NUMBER 99000-184.0 2021.03.30 - A&IC DOCUMENTS - COMMENTS REV.01
REVISION 1 - NOTES
1 - ACCORDING NEW ARQUITECTURE UPDATED

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-380101
	2	SERVICE / PID	PROTECTION TQ-3801 / 7A-Z-0-2-01
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-3801
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	2 barG
	11	PRESSURE MAX. RUPTURE	2,1 barG
	12	PRESSURES OF PROJECT OPERATION	2 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF OPERATION	20°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-380201
	2	SERVICE / PID	PROTECTION TQ-3802 / 7A-Z-0-2-01
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-3802
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	2 barG
	11	PRESSURE MAX. RUPTURE	2,1 barG
	12	PRESSURES OF PROJECT OPERATION	2 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF PROJECT	20°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-380301
	2	SERVICE / PID	PROTECTION TQ-3803 / 7A-Z-0-2-01
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-3803
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	2 barG
	11	PRESSURE MAX. RUPTURE	2,1 barG
	12	PRESSURES OF PROJECT OPERATION	2 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF PROJECT	20°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-380401
	2	SERVICE / PID	PROTECTION TQ-3804 / 7A-Z-0-2-02
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-3804
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	2 barG
	11	PRESSURE MAX. RUPTURE	2,1 barG
	12	PRESSURES OF PROJECT OPERATION	2 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF PROJECT	20°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-380501
	2	SERVICE / PID	PROTECTION TQ-3805 / 7A-Z-0-2-02
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-3805
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	2 barG
	11	PRESSURE MAX. RUPTURE	2,1 barG
	12	PRESSURES OF PROJECT OPERATION	2 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF PROJECT	20°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-380601
	2	SERVICE / PID	PROTECTION TQ-3806 / 7A-Z-0-2-02
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-3806
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	2 barG
	11	PRESSURE MAX. RUPTURE	2,1 barG
	12	PRESSURES OF PROJECT OPERATION	2 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF PROJECT	20°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	

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RUPTURE DISC

REV.: 1

GENERAL	1	TAG	PSE-640101
	2	SERVICE / PID	PROTECTION - HOT WFI STORAGE TANK - TQ-6401 / 7A-Z-0-2-25
	3	FLUID	PRODUCT
	4	PHYSICAL STATE	LIQUID
	5	LINE / EQUIPMENT DIAMETER	TQ-6401
	6	MATERIAL OF EQUIPMENT	316L SS
FLOW	7	DISK TYPE	CONVENTIONAL
	8	STEAM OR GAS REQUIRED	YES
	9		
PRESSURE	10	PRESSURE OF OPERATION	4 barG
	11	PRESSURE MAX. RUPTURE	4,1 barG
	12	PRESSURES OF PROJECT OPERATION	4 barG
	13		
BACK PRESSURE	14	CONSTANT	-
	15	VARIABLE: MAXIMUM	-
	16	VARIABLE: MINIMUM	-
	17		
TEMPERATURE	18	OPERATION	175°C MAX
	19	MINOR RELIEF	-
	20	GREATER RELIEF	-
	21	TEMPERATURE OF PROJECT	80°C
	22	RELIEF FOR SIZING	-
	23		
LIQUID	24	DENS. REL. A TEMPORARY. RELIEF	-
	25	VISCOSITY HAS IT. OP. (CP)	-
	26	VISCOSITY HAS IT. AL. (CP)	-
	27	MATERIAL OD DISK	MANUFACTURE STANDARD
GASES / VAPOR	28	MOLECULAR WEIGHT	-
	29	COMPRESSIBILITY FACTOR	-
	30	K = C to C V	-
	31	MATERIAL OD DISK	MANUFACTURE STANDARD
	32		
PROCESS	33	PULSING PRESSURE	-
	34	POSSIBILITY OF AL. LIQUID	-
	35	VACUUM	-
	36	UNDER PRESSURE	-
	37		
CONNECTION	38	CONNECTION / TYPE	TC 11/2" - ASME BPE (SEE GENERAL NOTES 6, 7)
	39	CONNECTION FOR PRESSURE SWITCH	YES - 1/2"NPTF
	40	DRAIN	YES - 1/2"NPTF
	41		
	42		
	43		
ACCESSORIES	44		
	45		
	46		
	47		
NOTES	48	FOR GENERAL NOTS SEE PAGE 3	
	49		
	50		
	51	UNITS: PRESS (barg) - VISCOSITY (Cp) - TEMPERATURE (°C) - FLOW (LPM)	
	52	MANUFACTURER	BS&B
	53	MODEL	