	
DOC NUMBER: 569-DB7A-AIC-731-002		CLIENT NUMBER: PRD-AIC-DSH-018	
CLIENT: TAKEDA/BAXALTA			
PROJECT: BURITI EPCVM PROJECT			

DATA SHEET AUTOMATED BALL VALVE

2	26JAN2022	ISSUED FOR CONSTRUCTION UPDATED AS PER NOTES	MAB	MAF	RSP
1	17NOV2021	ISSUED FOR CONSTRUCTION UPDATED AS PER NOTES	MAB	MAF	RSP
0	13SEP2021	ISSUED FOR CONSTRUCTION	MAB	MAF	RSP
A	31MAR2021	60% DD ISSUE	MAB	MAF	RSP
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV

NUMBER: **569-DB7A-AIC-731-002**

CLIENT NR: **PRD-AIC-DSH-018**

TITLE

SHEET: **2 de 6**

AUTOMATED BALL VALVE

REV.: **2**

DOCUMENT REVIEW CONTROL

Revision	A	0	1	2	3	4	Revision	A	B	0	1	2	3	Revision	A	B	0	1	2	3
Page							Page							Page						
1	X	X	X	X			26							51						
2	X	X	X	X			27							52						
3	X	X	X	X			28							53						
4	X	X	X	X			29							54						
5	X	X	X	X			30							55						
6	X	X	X	X			31							56						
7	X	X	X	X			32							57						
8	X	X	X	X			33							58						
9	X	X	X	X			34							59						
10	X	X	X	X			35							60						
11	X	X	X	X			36							61						
12	X	X	X	X			37							62						
13	X	X	X	X			38							63						
14	X	X	X	X			39							64						
15	X	X	X	X			40							65						
16	X	X	X	X			41							66						
17	X	X	X	X			42							67						
18	X	X	X	X			43							68						
19	X	X	X	X			44							69						
20	X	X	X	X			45							70						
21	X	X	X	X			46							71						
22	X	X	X	X			47							72						
23	X	X	X	X			48							73						
24	X	X	X	X			49							74						
25	X	X	X	X			50							75						

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AUTOMATED BALL VALVE

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REFERENCE DOCUMENTS

7A-Z-0-2-01	DRUG PRODUCT - BUFFER PREP
7A-Z-0-2-02	DRUG PRODUCT - FORMULATION
PRD-AIC-LIS-009	DRUG PRODUCT - PCS - INSTRUMENT INDEX
PRD-PIP-TSP-501	PIPE CLASS AND SPECIFICATION - TECHNICAL SPECIFICATION
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 - Grounding rings must be provided in compatible material, with the instrument box and easy access for assembly, being at least AISI 316.

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





REVISION 2 - NOTES

1 - TAG REMOVED ACCORDING TO PID REV 0.
2 - ADDED TAG 7A-XV-390120 / 7A-XV-390123 / 7A-XV-430001 / 7A-XV-430002

 				 				
NUMBER: 569-DB7A-AIC-731-002				CLIENT NR: PRD-AIC-DSH-018				
TITLE						SHEET: 4 de 6		
AUTOMATED BALL VALVE						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER			7A-XV-390120			
	2	SERVICE			CIP RETURN			
	3	P&ID			7A-Z-0-2-04			
	4	LINE SIZE	LINE N°		3/4"-CIPR-770104-SS10-PP	3/4"-CIPR/SFIC-390123-SS10-PP		
	5	VALVE TYPE			DIAPHRGMA			
	6	AREA CLASSIFICATION			NOT CLASSIFIED			
	7	ENCLOSURE CLASSIFICATION			IP-65			
	8	CERTIFICATES			SEE NOTE 7 - PAGE 3			
BODY	9	TYPE BODY			THREE-WAY BALL			
	10	BODY SIZE			3/4"			
	11	MATERIAL PIPE, CLASS.			SS, SCH.40S, ASTM A312 Gr.TP304L.SEMALESS, ASME B36.19			
	12	END CONNECTION, AND TYPE.			SS, SCH 40S, PL, ASTM A403 WP304L, ASME B16.9			
	13	BODY MATERIAL			STAINLESS STEEL AISI 316L			
	14	SEAL / SEAL TYPE			PTFE			
	15	FULL FLOW BALL, YES / NO			YES			
	16	BALL & TRIM MATERIAL			STAINLESS STEEL AISI 316L			
	17	PIPING MATERIAL SPECIFICATION			SS, SCH 40S, PL, ASTM A403 WP304L, ASME B16.9			
18	BLOWOUT PROOF STEM			MANUFACTURER STANDARD				
HANDLE	19	TYPE			-			
	20	COLOR			-			
	21	LOCKING YES / NO			-			
	22	EXTENDED			-			
ACTUATOR	23	TUPE OF ACTUATOR			PNEUMATIC, SINGLE ACTING			
	24	FAIL POSITION			CLOSE			
	25	CLOSE AT (psig) SPRING			0 bar			
	26	OPEN AT (psig)			6 bar			
	27	PNEUMATIC CONECTION			1/4" BSPF			
	28	BODY COLOR			MANUFACTURER STANDARD			
	29	HOUSING MATERIAL			MANUFACTURER STANDARD			
	30	ELETRICAL CLASS			-			
	31	ENCLOSURE			MANUFACTURER STANDARD			
	ACCESSORIES	32	SOLENOID VALVE			-		
33		ELETRICAL CONNECTION			-			
34		VOLTAGE			-			
35		INDICATION			-			
36		LIMIT SWITCH OPEN			-			
37		LIMIT SWITCH CLOSED			-			
38		MOUNTING KIT			-			
SERVICE			FLUID	PHYSICAL STATUS		STEAM		VAPOR
		MINIMUM FLOW	NORMAL	MAXIMUM	-	-	-	-
		MINIMUM PRESSURE	NORMAL	MAXIMUM	-	-	-	bar-g
		MINIMUM TEMPERATURE	NORMAL	MAXIMUM	-	-	-	°C
		PROJECT FLOW						
		DESIGN PRESSURE	DESIGN TEMPERATURE		- bar-g		- °C	
		DENSITY @ OPERATING CONDITION			- kg/m³			
		VISCOSITY @ OPERATING CONDITION			- Cp			
		FLUID CONDUCTIVITY			- µS/cm²			
		INCRUSTATION			-			
		SUSPENDE SOLIDS (%)			-			
		MAXIMUM LOSS OF LOAD ALLOWED			-			
		MANUFACTURER			FISHER OR SIMILAR			
		MODEL						

NOTES:

 				 				
NUMBER:		569-DB7A-AIC-731-002			CLIENT NR:		PRD-AIC-DSH-020	
TITLE							SHEET:	
AUTOMATED DIAPHRAGM VALVE							5 de 6	
							REV.: 2	
GENERAL	1	INSTRUMENT TAG NUMBER			7A-XV-430002			
	2	SERVICE			TO CIP SYSTEM, CIP-7701 CAUSTIC SUPPLY TO			
	3	P&ID			7A-Z-0-2-20			
	4	MAIN LINE	SERVICE LINE		1/2"-FH-430004	-		
	5	VALVE TYPE			BALL			
	6	AREA CLASSIFICATION			NOT CLASSIFIED			
	7	ENCLOSURE CLASSIFICATION			IP-65			
	8	CERTIFICATES			(SEE GENERAL NOTES 1)			
BODY	9	TYPE BODY			ON-OFF / ZERO DEAD-LEG			
	10	BODY SIZE			1/2"			
	11	MATERIAL PIPE, CLASS.			STAINLESS STEEL AISI 316L			
	12	END CONNECTION, AND TYPE.			S1/H-PL / S2/H-PL / S3/V-PL			
	13	BODY MATERIAL			STAINLESS STEEL AISI 316L			
	14	SEAL / SEAL TYPE			PTFE			
	15	FULL FLOW BALL, YES / NO			YES			
	16	BALL & TRIM MATERIAL			STAINLESS STEEL AISI 316L			
	17	PIPING MATERIAL SPECIFICATION			STAINLESS STEEL ASTM A270 Gr.TP316L			
HANDLE	18	BLOWOUT PROOF STEM			MANUFACTURER STANDARD			
	19	TYPE			-			
	20	COLOR			-			
	21	LOCKING YES / NO			-			
ACTUATOR	22	EXTENDED			-			
	23	TUPE OF ACTUATOR			PNEUMATIC, SINGLE ACTING			
	24	FAIL POSITION			CLOSE			
	25	CLOSE AT (psig) SPRING			0 bar			
	26	OPEN AT (psig)			6 bar			
	27	PNEUMATIC CONECTION			1/4" BSPF			
	28	BODY COLOR			MANUFACTURER STANDARD			
	29	HOUSING MATERIAL			MANUFACTURER STANDARD			
	30	ELETRICAL CLASS			-			
	31	ENCLOSURE			MANUFACTURER STANDARD			
ACCESSORIES	32	SOLENOID VALVE			-			
	33	ELETRICAL CONNECTION			-			
	34	VOLTAGE			-			
	35	INDICATION			-			
	36	LIMIT SWITCH OPEN			-			
	37	LIMIT SWITCH CLOSED			-			
	38	MOUNTING KIT			-			
SERVICE		FLUID	PHYSICAL STATUS		CAUSTIC		LIQUID	
		MINIMUM FLOW	NORMAL	MAXIMUM	-	-	-	LPM
		MINIMUM PRESSURE	NORMAL	MAXIMUM	-	-	-	bar-g
		MINIMUM TEMPERATURE	NORMAL	MAXIMUM	-	-	30	°C
		PROJECT FLOW			-		-	
		DESIGN PRESSURE	DESIGN TEMPERATURE		- bar-g		- °C	
		DENSITY @ OPERATING CONDITION			-		kg/m³	
		VISCOSITY @ OPERATING CONDITION			-		Cp	
		FLUID CONDUCTIVITY			-		µS/cm²	
		INCRUSTATION			-		-	
		SUSPENDE SOLIDS (%)			-		-	
		MAXIMUM LOSS OF LOAD ALLOWED			-		-	
		MANUFACTURER			GEMU OR SIMILAR			
	MODEL			M600				
NOTES:								

 				 				
NUMBER:		569-DB7A-AIC-731-002			CLIENT NR:		PRD-AIC-DSH-020	
TITLE							SHEET:	
AUTOMATED DIAPHRAGM VALVE							6 de 6	
							REV.: 2	
GENERAL	1	INSTRUMENT TAG NUMBER			7A-XV-430003			
	2	SERVICE			TO CIP SYSTEM, CIP-7701 CAUSTIC SUPPLY TO			
	3	P&ID			7A-Z-0-2-20			
	4	MAIN LINE	SERVICE LINE		1/2"-FH-430004	-		
	5	VALVE TYPE			BALL			
	6	AREA CLASSIFICATION			NOT CLASSIFIED			
	7	ENCLOSURE CLASSIFICATION			IP-65			
	8	CERTIFICATES			(SEE GENERAL NOTES 1)			
BODY	9	TYPE BODY			ON-OFF / ZERO DEAD-LEG			
	10	BODY SIZE			1/2"			
	11	MATERIAL PIPE, CLASS.			STAINLESS STEEL AISI 316L			
	12	END CONNECTION, AND TYPE.			S1/H-PL / S2/H-PL / S3/V-PL			
	13	BODY MATERIAL			STAINLESS STEEL AISI 316L			
	14	SEAL / SEAL TYPE			PTFE			
	15	FULL FLOW BALL, YES / NO			YES			
	16	BALL & TRIM MATERIAL			STAINLESS STEEL AISI 316L			
	17	PIPING MATERIAL SPECIFICATION			STAINLESS STEEL ASTM A270 Gr.TP316L			
18	BLOWOUT PROOF STEM			MANUFACTURER STANDARD				
HANDLE	19	TYPE			-			
	20	COLOR			-			
	21	LOCKING YES / NO			-			
	22	EXTENDED			-			
ACTUATOR	23	TUPE OF ACTUATOR			PNEUMATIC, SINGLE ACTING			
	24	FAIL POSITION			CLOSE			
	25	CLOSE AT (psig) SPRING			0 bar			
	26	OPEN AT (psig)			6 bar			
	27	PNEUMATIC CONECTION			1/4" BSPF			
	28	BODY COLOR			MANUFACTURER STANDARD			
	29	HOUSING MATERIAL			MANUFACTURER STANDARD			
	30	ELETRICAL CLASS			-			
	31	ENCLOSURE			MANUFACTURER STANDARD			
ACCESSORIES	32	SOLENOID VALVE			-			
	33	ELETRICAL CONNECTION			-			
	34	VOLTAGE			-			
	35	INDICATION			-			
	36	LIMIT SWITCH OPEN			-			
	37	LIMIT SWITCH CLOSED			-			
	38	MOUNTING KIT			-			
SERVICE		FLUID	PHYSICAL STATUS		CAUSTIC		LIQUID	
		MINIMUM FLOW	NORMAL	MAXIMUM	-	-	-	LPM
		MINIMUM PRESSURE	NORMAL	MAXIMUM	-	-	-	bar-g
		MINIMUM TEMPERATURE	NORMAL	MAXIMUM	-	-	30	°C
		PROJECT FLOW			-		-	
		DESIGN PRESSURE	DESIGN TEMPERATURE		- bar-g		- °C	
		DENSITY @ OPERATING CONDITION			-		kg/m³	
		VISCOSITY @ OPERATING CONDITION			-		Cp	
		FLUID CONDUCTIVITY			-		µS/cm²	
		INCRUSTATION			-		-	
		SUSPENDE SOLIDS (%)			-		-	
		MAXIMUM LOSS OF LOAD ALLOWED			-		-	
		MANUFACTURER			GEMU OR SIMILAR			
	MODEL			M600				
NOTES:								