	
DOC NUMBER: 569-DB7A-AIC-732-001		CLIENT NUMBER: PRD-AIC-DSH-025	
CLIENT: TAKEDA/BAXALTA			
PROJECT: BURITI EPCVM PROJECT			

DRUG PRODUCT - DATA SHEET

PRESSURE REDUCING VALVE - SANITARY

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	16-mar-21	30% DD ISSUE	JHA	MAF	MAJ
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV

NUMBER: 569-DB7A-AIC-732-001

CLIENT NR: PRD-AIC-DSH-025

TITLE





PRESSURE REDUCING VALVE - SANITARY

SHEET: 2 de 9

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							35							60						
11							36							61						
12							37							62						
2							38							63						
14							39							64						
15							40							65						
16							41							66						
17							42							67						
18							43							68						
19							44							69						
20							45							70						
21							46							71						
22							47							72						
23							48							73						
24							49							74						
25							50							75						





 		 	
NUMBER: 569-DB7A-AIC-732-001		CLIENT NR: PRD-AIC-DSH-025	
TITLE			SHEET:
PRESSURE REDUCING VALVE - SANITARY			3 de 9
			REV.: 2
REFERENCE DOCUMENTS			

7A-Z-0-2-01	P&I DIAGRAM - DRUG PRODUCT - BUFFER PREP
7A-Z-0-2-02	P&I DIAGRAM - DRUG PRODUCT - FORMULATION
7A-Z-0-2-28	P&I DIAGRAM - DRUG PRODUCT - CLEAN STEAM DISTRIBUTION
PRD-AIC-LIS-009	DRUG PRODUCT - BMS - 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- The identification plates must be supplied in AISI 304 stainless steel, permanently attached to the valve body, with engraving of the respective "TAGs", model, body material, manufacturer, diameter, type, pressure class, Cv and serial number. The serial number of the instrument, when possible, can be recorded on the body itself.
- 2
- 2- The manufacturer must send the valve calculation memory.
- 3- The maximum permissible noise level is 82 dbA to 1 mt from the valve and must comply with ISA 75.17 and IEC 60534-8-4 standards.
- 4- If necessary the manufacturer should offer silencer along with the valve.
- 5- The maximum and minimum flow rates to be controlled should be limited to 90 % and 10%, respectively, of the available stroke of the control valve.
- 6- The parts in contact with the process fluid must have mechanical sanding internally standard ASME BPE SF4 with Max Ra. 0.38 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
REVISION 2 - NOTES
1 - ADEQUATE TAG INSTRUMENT: PCV-650110 TO PCV-650111

 				 				
NUMBER: 569-DB7A-AIC-732-001				CLIENT NR: PRD-AIC-DSH-025				
TITLE						SHEET: 4 de 9		
PRESSURE REDUCING VALVE - SANITARY						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER		PCV-380101				
	2	SERVICE		CLEAN COMPRESSED AIR SUPPLY - PORTABLE VESSEL TQ-3801				
	3	P&ID		7A-Z-0-2-01				
	4	PIPE LINE	EQUIPMENT NUMBER	7A-1/2"-CAP-380104-SS10-NI		-		
	5	EQUIPMENT MATERIAL / PIPE		ASTM A270 Gr. TP316L				
	6	INTERNAL DIAMETER LINE	LINE THICKNESS	12,7 mm		1,65 mm		
	7	FUNCTION		DOWNSTREAM PRESSURE LIMITATION				
	8	CERTIFICATES		(NOTES 3)				
	9							
BODY AND INTERNAL	10	BODY TYPE		DIAPHRAGM / SELF OPERATED				
	11	BODY MATERIAL + COATING		SS1016L				
	12	PLUG MATERIAL + COATING		SS1016L				
	13	SEED MATERIAL + COATING		SS1016L				
	14	CHARACTERISTIC		=%				
	15	ENTRY DIAMETER	OUTPUT DIAMETER	12,7 mm (NOTE 1)		12,7 mm (NOTE 1)		
	16	16/nov/21		TC - ASME BPE-2019 (SEE GENERAL NOTES 6)				
	17	LEAKAGE CLASS		IV				
	18	CASTLE TYPE		STANDARD				
	19	RANGEABILITY		(SEE GENERAL NOTES 5)				
	20							
ACTUATOR	19	TYPE		SPRING / DIAPHRAGM				
	20	PILOT		YES				
	21	AIR SUPPLY AVAILABLE		-				
	22	TYPE OF PRESSURE OUTLET		EXTERNAL TO THE DOWNSTREAM				
	23	DIAPHRAGM MATERIAL		PTFE				
	24	SPRING ACTUATION BAND		BY MANUFACTURER				
	25	CONTROL POINT		0,2 bar-g				
	26	FAILURE CONDITION		CLOSED				
	27							
ACCESSORIES	30	TAGGING		YES (SEE GENERAL NOTES 1)				
	31	REGULATOR FILTER		NOT REQUIRED				
	32							
	33							
	34							
OPERATING CONDITIONS	35	FLUID	PHYSICAL STATE		CLEAN AIR		AIR	
	36	MINIMUM FLOW	NORMAL	MAXIMUM	1,8		Nm³/h	
	37	MINIMUM PRESSURE	NORMAL	MAXIMUM	6		bar-g	
	38	MINIMUM TEMPERATURE	NORMAL	MAXIMUM			°C	
	39	DESIGN PRESSURE	DESIGN TEMPERATURE		bar-g		°C	
	40	MINIMUM DP	NORMAL	MAXIMUM			bar	
	41	CV CALCULATED MINIMUM	NORMAL	MAXIMUM	NOTE 3		NOTE 3	
	42	CV SELECTED	% ABERTURA DA VÁLVULA		NOTE 2		NOTE 2	
	43	MAXIMUM PERMISSIBLE DIN		NOT				
	44	DENSITY @ OPERATING CONDITION		kg/m³				
	45	VISCOSITY @ OPERATING CONDITION		cP				
	46	VISCOSITY @ OPERATING CONDITION		cP				
	47	MOLECULAR MASS	FACTOR k=Cp/Cv					
	48							
		49	MANUFACTURER		STERIFLOW			
50		MODEL						





NOTES:

- 1- THE MANUFACTURER MUST CONFIRM THE NOMINAL DIAMETER OF THE VALVE.
- 2- The SELECTED CV AND THE OPENING PERCENTAGE MUST BE SUPPLIED BY THE VALVE MANUFACTURER.
- 3- THE MANUFACTURER MUST SEND VALVE CALCULATION MEMORY.
- 4- PROCESS VALUES SET FOR PRICE TAKING AND MUST BE CONFIRMED IN THE PROJ. Detailing.

 				 				
NUMBER: 569-DB7A-AIC-732-001				CLIENT NR: PRD-AIC-DSH-025				
TITLE						SHEET: 5 de 9		
PRESSURE REDUCING VALVE - SANITARY						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER		PCV-390101				
	2	SERVICE		CLEAN COMPRESSED AIR SUPPLY - PORTABLE VESSEL TQ-3804				
	3	P&ID		7A-Z-0-2-02				
	4	PIPE LINE	EQUIPMENT NUMBER	7A-1/2"-CAP-390104-SS10-NI		-		
	5	EQUIPMENT MATERIAL / PIPE		ASTM A270 Gr. TP316L				
	6	INTERNAL DIAMETER LINE	LINE THICKNESS	12,7 mm		1,65 mm		
	7	FUNCTION		DOWNSTREAM PRESSURE LIMITATION				
	8	CERTIFICATES		(NOTES 3)				
	9							
BODY AND INTERNAL	10	BODY TYPE		DIAPHRAGM / SELF OPERATED				
	11	BODY MATERIAL + COATING		SS1016L				
	12	PLUG MATERIAL + COATING		SS1016L				
	13	SEED MATERIAL + COATING		SS1016L				
	14	CHARACTERISTIC		= %				
	15	ENTRY DIAMETER	OUTPUT DIAMETER	12,7 mm (NOTE 1)		12,7 mm (NOTE 1)		
	16	16/nov/21		TC - ASME BPE-2019 (SEE GENERAL NOTES 6)				
	17	LEAKAGE CLASS		IV				
	18	CASTLE TYPE		STANDARD				
	19	RANGEABILITY		(SEE GENERAL NOTES 5)				
	20							
ACTUATOR	19	TYPE		SPRING / DIAPHRAGM				
	20	PILOT		YES				
	21	AIR SUPPLY AVAILABLE		-				
	22	TYPE OF PRESSURE OUTLET		EXTERNAL TO THE DOWNSTREAM				
	23	DIAPHRAGM MATERIAL		PTFE				
	24	SPRING ACTUATION BAND		BY MANUFACTURER				
	25	CONTROL POINT		0,2 bar-g				
	26	FAILURE CONDITION		CLOSED				
	27							
ACCESSORIES	30	TAGGING		YES (SEE GENERAL NOTES 1)				
	31	REGULATOR FILTER		NOT REQUIRED				
	32							
	33							
	34							
OPERATING CONDITIONS	35	FLUID	PHYSICAL STATE		CLEAN AIR		AIR	
	36	MINIMUM FLOW	NORMAL	MAXIMUM	1,8		Nm³/h	
	37	MINIMUM PRESSURE	NORMAL	MAXIMUM	6		bar-g	
	38	MINIMUM TEMPERATURE	NORMAL	MAXIMUM			°C	
	39	DESIGN PRESSURE	DESIGN TEMPERATURE		bar-g		°C	
	40	MINIMUM DP	NORMAL	MAXIMUM			bar	
	41	CV CALCULATED MINIMUM	NORMAL	MAXIMUM	NOTE 3		NOTE 3	
	42	CV SELECTED	% ABERTURA DA VÁLVULA		NOTE 2		NOTE 2	
	43	MAXIMUM PERMISSIBLE DIN		NOT				
	44	DENSITY @ OPERATING CONDITION		kg/m³				
	45	VISCOSITY @ OPERATING CONDITION		cP				
	46	VISCOSITY @ OPERATING CONDITION		cP				
	47	MOLECULAR MASS	FACTOR k=Cp/Cv					
	48							
		49	MANUFACTURER		STERIFLOW			
50		MODEL						





NOTES:

- 1- THE MANUFACTURER MUST CONFIRM THE NOMINAL DIAMETER OF THE VALVE.
- 2- The SELECTED CV AND THE OPENING PERCENTAGE MUST BE SUPPLIED BY THE VALVE MANUFACTURER.
- 3- THE MANUFACTURER MUST SEND VALVE CALCULATION MEMORY.
- 4- PROCESS VALUES SET FOR PRICE TAKING AND MUST BE CONFIRMED IN THE PROJ. Detailing.

 				 				
NUMBER: 569-DB7A-AIC-732-001				CLIENT NR: PRD-AIC-DSH-025				
TITLE						SHEET: 6 de 9		
PRESSURE REDUCING VALVE - SANITARY						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER		PCV-390201				
	2	SERVICE		CLEAN COMPRESSED AIR SUPPLY - PORTABLE VESSEL TQ-3805				
	3	P&ID		7A-Z-0-2-02				
	4	PIPE LINE	EQUIPMENT NUMBER	7A-1/2"-CAP-390204-SS10-NI		-		
	5	EQUIPMENT MATERIAL / PIPE		ASTM A270 Gr. TP316L				
	6	INTERNAL DIAMETER LINE	LINE THICKNESS	12,7 mm		1,65 mm		
	7	FUNCTION		DOWNSTREAM PRESSURE LIMITATION				
	8	CERTIFICATES		(NOTES 3)				
	9							
BODY AND INTERNAL	10	BODY TYPE		DIAPHRAGM / SELF OPERATED				
	11	BODY MATERIAL + COATING		SS1016L				
	12	PLUG MATERIAL + COATING		SS1016L				
	13	SEED MATERIAL + COATING		SS1016L				
	14	CHARACTERISTIC		= %				
	15	ENTRY DIAMETER	OUTPUT DIAMETER	12,7 mm (NOTE 1)		12,7 mm (NOTE 1)		
	16	16/nov/21		TC - ASME BPE-2019 (SEE GENERAL NOTES 6)				
	17	LEAKAGE CLASS		IV				
	18	CASTLE TYPE		STANDARD				
	19	RANGEABILITY		(SEE GENERAL NOTES 5)				
	20							
ACTUATOR	19	TYPE		SPRING / DIAPHRAGM				
	20	PILOT		YES				
	21	AIR SUPPLY AVAILABLE		-				
	22	TYPE OF PRESSURE OUTLET		EXTERNAL TO THE DOWNSTREAM				
	23	DIAPHRAGM MATERIAL		PTFE				
	24	SPRING ACTUATION BAND		BY MANUFACTURER				
	25	CONTROL POINT		0,2 bar-g				
	26	FAILURE CONDITION		CLOSED				
	27							
ACCESSORIES	30	TAGGING		YES (SEE GENERAL NOTES 1)				
	31	REGULATOR FILTER		NOT REQUIRED				
	32							
	33							
	34							
OPERATING CONDITIONS	35	FLUID	PHYSICAL STATE		CLEAN AIR		AIR	
	36	MINIMUM FLOW	NORMAL	MAXIMUM	1,8		Nm³/h	
	37	MINIMUM PRESSURE	NORMAL	MAXIMUM	6		bar-g	
	38	MINIMUM TEMPERATURE	NORMAL	MAXIMUM			°C	
	39	DESIGN PRESSURE	DESIGN TEMPERATURE		bar-g		°C	
	40	MINIMUM DP	NORMAL	MAXIMUM			bar	
	41	CV CALCULATED MINIMUM	NORMAL	MAXIMUM	NOTE 3		NOTE 3	
	42	CV SELECTED	% ABERTURA DA VÁLVULA		NOTE 2		NOTE 2	
	43	MAXIMUM PERMISSIBLE DIN		NOT				
	44	DENSITY @ OPERATING CONDITION		kg/m³				
	45	VISCOSITY @ OPERATING CONDITION		cP				
	46	VISCOSITY @ OPERATING CONDITION		cP				
	47	MOLECULAR MASS	FACTOR k=Cp/Cv					
	48							
		49	MANUFACTURER		STERIFLOW			
50		MODEL						





NOTES:

- 1- THE MANUFACTURER MUST CONFIRM THE NOMINAL DIAMETER OF THE VALVE.
- 2- The SELECTED CV AND THE OPENING PERCENTAGE MUST BE SUPPLIED BY THE VALVE MANUFACTURER.
- 3- THE MANUFACTURER MUST SEND VALVE CALCULATION MEMORY.
- 4- PROCESS VALUES SET FOR PRICE TAKING AND MUST BE CONFIRMED IN THE PROJ. Detailing.

 				 				
NUMBER: 569-DB7A-AIC-732-001				CLIENT NR: PRD-AIC-DSH-025				
TITLE						SHEET: 7 de 9		
PRESSURE REDUCING VALVE - SANITARY						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER		PCV-390301				
	2	SERVICE		CLEAN COMPRESSED AIR SUPPLY - PORTABLE VESSEL TQ-3806				
	3	P&ID		7A-Z-0-2-02				
	4	PIPE LINE	EQUIPMENT NUMBER	7A-1/2"-CAP-390304-SS10-NI		-		
	5	EQUIPMENT MATERIAL / PIPE		ASTM A270 Gr. TP316L				
	6	INTERNAL DIAMETER LINE	LINE THICKNESS	12,7 mm		1,65 mm		
	7	FUNCTION		DOWNSTREAM PRESSURE LIMITATION				
	8	CERTIFICATES		(NOTES 3)				
	9							
BODY AND INTERNAL	10	BODY TYPE		DIAPHRAGM / SELF OPERATED				
	11	BODY MATERIAL + COATING		SS1016L				
	12	PLUG MATERIAL + COATING		SS1016L				
	13	SEED MATERIAL + COATING		SS1016L				
	14	CHARACTERISTIC		= %				
	15	ENTRY DIAMETER	OUTPUT DIAMETER	12,7 mm (NOTE 1)		12,7 mm (NOTE 1)		
	16	16/nov/21		TC - ASME BPE-2019 (SEE GENERAL NOTES 6)				
	17	LEAKAGE CLASS		IV				
	18	CASTLE TYPE		STANDARD				
	19	RANGEABILITY		(SEE GENERAL NOTES 5)				
	20							
ACTUATOR	19	TYPE		SPRING / DIAPHRAGM				
	20	PILOT		YES				
	21	AIR SUPPLY AVAILABLE		-				
	22	TYPE OF PRESSURE OUTLET		EXTERNAL TO THE DOWNSTREAM				
	23	DIAPHRAGM MATERIAL		PTFE				
	24	SPRING ACTUATION BAND		BY MANUFACTURER				
	25	CONTROL POINT		0,2 bar-g				
	26	FAILURE CONDITION		CLOSED				
	27							
ACCESSORIES	30	TAGGING		YES (SEE GENERAL NOTES 1)				
	31	REGULATOR FILTER		NOT REQUIRED				
	32							
	33							
	34							
OPERATING CONDITIONS	35	FLUID	PHYSICAL STATE		CLEAN AIR		AIR	
	36	MINIMUM FLOW	NORMAL	MAXIMUM	1,8		Nm³/h	
	37	MINIMUM PRESSURE	NORMAL	MAXIMUM	6		bar-g	
	38	MINIMUM TEMPERATURE	NORMAL	MAXIMUM			°C	
	39	DESIGN PRESSURE	DESIGN TEMPERATURE		bar-g		°C	
	40	MINIMUM DP	NORMAL	MAXIMUM			bar	
	41	CV CALCULATED MINIMUM	NORMAL	MAXIMUM	NOTE 3		NOTE 3	
	42	CV SELECTED	% ABERTURA DA VÁLVULA		NOTE 2		NOTE 2	
	43	MAXIMUM PERMISSIBLE DIN		NOT				
	44	DENSITY @ OPERATING CONDITION		kg/m³				
	45	VISCOSITY @ OPERATING CONDITION		cP				
	46	VISCOSITY @ OPERATING CONDITION		cP				
	47	MOLECULAR MASS	FACTOR k=Cp/Cv					
	48							
		49	MANUFACTURER		STERIFLOW			
50		MODEL						





NOTES:

- 1- THE MANUFACTURER MUST CONFIRM THE NOMINAL DIAMETER OF THE VALVE.
- 2- The SELECTED CV AND THE OPENING PERCENTAGE MUST BE SUPPLIED BY THE VALVE MANUFACTURER.
- 3- THE MANUFACTURER MUST SEND VALVE CALCULATION MEMORY.
- 4- PROCESS VALUES SET FOR PRICE TAKING AND MUST BE CONFIRMED IN THE PROJ. Detailing.

 				 				
NUMBER: 569-DB7A-AIC-732-001				CLIENT NR: PRD-AIC-DSH-025				
TITLE						SHEET: 8 de 9		
PRESSURE REDUCING VALVE - SANITARY						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER		PCV-650110				
	2	SERVICE		CLEAN COMPRESSED AIR SUPPLY - PORTABLE VESSEL TQ-3806				
	3	P&ID		7A-Z-0-2-28				
	4	PIPE LINE	EQUIPMENT NUMBER	3/4"-SFI-650111-SS10-HC	-			
	5	EQUIPMENT MATERIAL / PIPE		ASTM A270 Gr. TP316L				
	6	INTERNAL DIAMETER LINE	LINE THICKNESS	3/4" mm	- mm			
	7	FUNCTION		DOWNSTREAM PRESSURE LIMITATION				
	8	CERTIFICATES		(NOTES 3)				
	9							
BODY AND INTERNAL	10	BODY TYPE		DIAPHRAGM / SELF OPERATED				
	11	BODY MATERIAL + COATING		SS1016L				
	12	PLUG MATERIAL + COATING		SS1016L				
	13	SEED MATERIAL + COATING		SS1016L				
	14	CHARACTERISTIC		= %				
	15	ENTRY DIAMETER	OUTPUT DIAMETER	3/4" (NOTE 1)	3/4" (NOTE 1)			
	16	16/nov/21		TC - ASME BPE-2019 (SEE GENERAL NOTES 6)				
	17	LEAKAGE CLASS		IV				
	18	CASTLE TYPE		STANDARD				
	19	RANGEABILITY		(SEE GENERAL NOTES 5)				
	20							
ACTUATOR	19	TYPE		SPRING / DIAPHRAGM				
	20	PILOT		YES				
	21	AIR SUPPLY AVAILABLE		-				
	22	TYPE OF PRESSURE OUTLET		EXTERNAL TO THE DOWNSTREAM				
	23	DIAPHRAGM MATERIAL		PTFE				
	24	SPRING ACTUATION BAND		BY MANUFACTURER				
	25	CONTROL POINT		0,2 bar-g				
	26	FAILURE CONDITION		CLOSED				
ACCESSORIES	30	TAGGING		YES (SEE GENERAL NOTES 1)				
	31	REGULATOR FILTER		NOT REQUIRED				
	32							
	33							
	34							
OPERATING CONDITIONS	35	FLUID	PHYSICAL STATE		STEAM		STEAM	
	36	MINIMUM FLOW	NORMAL	MAXIMUM	30	KG/H		
	37	MINIMUM PRESSURE	NORMAL	MAXIMUM	1,1	bar-g		
	38	MINIMUM TEMPERATURE	NORMAL	MAXIMUM		°C		
	39	DESIGN PRESSURE	DESIGN TEMPERATURE		bar-g	°C		
	40	MINIMUM DP	NORMAL	MAXIMUM		bar		
	41	CV CALCULATED MINIMUM	NORMAL	MAXIMUM	NOTE 3	NOTE 3	NOTE 3	
	42	CV SELECTED	% ABERTURA DA VÁLVULA		NOT 2	NOTE 2		
	43	MAXIMUM PERMISSIBLE DIN		NOT				
	44	DENSITY @ OPERATING CONDITION		kg/m³				
	45	VISCOSITY @ OPERATING CONDITION		cP				
	46	VISCOSITY @ OPERATING CONDITION		cP				
	47	MOLECULAR MASS	FACTOR k=Cp/Cv					
	48							
	49	MANUFACTURER		STERIFLOW				
	50	MODEL						

NOTES:

- 1- THE MANUFACTURER MUST CONFIRM THE NOMINAL DIAMETER OF THE VALVE.
- 2- The SELECTED CV AND THE OPENING PERCENTAGE MUST BE SUPPLIED BY THE VALVE MANUFACTURER.
- 3- THE MANUFACTURER MUST SEND VALVE CALCULATION MEMORY.
- 4- PROCESS VALUES SET FOR PRICE TAKING AND MUST BE CONFIRMED IN THE PROJ. Detailing.

 				 				
NUMBER: 569-DB7A-AIC-732-001				CLIENT NR: PRD-AIC-DSH-025				
TITLE						SHEET: 9 de 9		
PRESSURE REDUCING VALVE - SANITARY						REV.: 2		
GENERAL	1	INSTRUMENT TAG NUMBER		PCV-650111				
	2	SERVICE		CLEAN COMPRESSED AIR SUPPLY - PORTABLE VESSEL TQ-3806				
	3	P&ID		7A-Z-0-2-28				
	4	PIPE LINE	EQUIPMENT NUMBER	3/4"-SFI-650116-SS10-HC	-			
	5	EQUIPMENT MATERIAL / PIPE		ASTM A270 Gr. TP316L				
	6	INTERNAL DIAMETER LINE	LINE THICKNESS	3/4" mm	- mm			
	7	FUNCTION		DOWNSTREAM PRESSURE LIMITATION				
	8	CERTIFICATES		(NOTES 3)				
	9							
BODY AND INTERNAL	10	BODY TYPE		DIAPHRAGM / SELF OPERATED				
	11	BODY MATERIAL + COATING		SS1016L				
	12	PLUG MATERIAL + COATING		SS1016L				
	13	SEED MATERIAL + COATING		SS1016L				
	14	CHARACTERISTIC		= %				
	15	ENTRY DIAMETER	OUTPUT DIAMETER	3/4" (NOTE 1)	3/4" (NOTE 1)			
	16	16/nov/21		TC - ASME BPE-2019 (SEE GENERAL NOTES 6)				
	17	LEAKAGE CLASS		IV				
	18	CASTLE TYPE		STANDARD				
	19	RANGEABILITY		(SEE GENERAL NOTES 5)				
	20							
ACTUATOR	19	TYPE		SPRING / DIAPHRAGM				
	20	PILOT		YES				
	21	AIR SUPPLY AVAILABLE		-				
	22	TYPE OF PRESSURE OUTLET		EXTERNAL TO THE DOWNSTREAM				
	23	DIAPHRAGM MATERIAL		PTFE				
	24	SPRING ACTUATION BAND		BY MANUFACTURER				
	25	CONTROL POINT		0,2 bar-g				
	26	FAILURE CONDITION		CLOSED				
	27							
ACCESSORIES	30	TAGGING		YES (SEE GENERAL NOTES 1)				
	31	REGULATOR FILTER		NOT REQUIRED				
	32							
	33							
	34							
OPERATING CONDITIONS	35	FLUID	PHYSICAL STATE		STEAM		STEAM	
	36	MINIMUM FLOW	NORMAL	MAXIMUM	30	KG/H		
	37	MINIMUM PRESSURE	NORMAL	MAXIMUM	1,1	bar-g		
	38	MINIMUM TEMPERATURE	NORMAL	MAXIMUM		°C		
	39	DESIGN PRESSURE	DESIGN TEMPERATURE		bar-g	°C		
	40	MINIMUM DP	NORMAL	MAXIMUM		bar		
	41	CV CALCULATED MINIMUM	NORMAL	MAXIMUM	NOTE 3	NOTE 3	NOTE 3	
	42	CV SELECTED	% ABERTURA DA VÁLVULA		NOT 2	NOTE 2		
	43	MAXIMUM PERMISSIBLE DIN		NOT				
	44	DENSITY @ OPERATING CONDITION		kg/m³				
	45	VISCOSITY @ OPERATING CONDITION		cP				
	46	VISCOSITY @ OPERATING CONDITION		cP				
	47	MOLECULAR MASS	FACTOR k=Cp/Cv					
	48							
		49	MANUFACTURER		STERIFLOW			
50		MODEL						

NOTES:

- 1- THE MANUFACTURER MUST CONFIRM THE NOMINAL DIAMETER OF THE VALVE.
- 2- The SELECTED CV AND THE OPENING PERCENTAGE MUST BE SUPPLIED BY THE VALVE MANUFACTURER.
- 3- THE MANUFACTURER MUST SEND VALVE CALCULATION MEMORY.
- 4- PROCESS VALUES SET FOR PRICE TAKING AND MUST BE CONFIRMED IN THE PROJ. Detailing.