







DOC NUMBER:

569-DB7A-MEC-712-001

CLIENT NUMBER:

PRD-MEC-DSH-001

CLIENT:

TAKEDA/BAXALTA

PROJECT:

BURITI EPCVM PROJECT

DATA SHEET COMPRESSED AIR - COMP-7A-1 / COMP-7A-2 AD-7A-1 / AD-7A-2 AR-7A-1

0	30/JUL/2021	ISSUED FOR CONSTRUCTION	ASO	LFF	RSP
В	02/JUN/2021	90% DD ISSUE	ASO	LFF	RSP
Α	08/FEB/2021	30% DD ISSUE	ASO	LFF	MAJ
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV









MBER: 569-DB7A-MEC-712-001 CLIENT NR: PRD-MEC-DSH-001

TITLE

SHEET:

2/6 REV.:

COMPRESSED AIR - COMP-7A-1 / COMP-7A-2 // AD-7A-1 / AD-7A-2 // AR-7A-1

EV.: **0**

1. REVISION HISTORY

Rev	Reason For Change					
Α	ORIGINAL ISSUE					
	Page 3, lines 15, 28, 37,45 e 53: Changed flow rate from 1,000 Nm³/h to 850 Nm³/h.					
	Page 3, line 5: Changed Volume from 4.0 m to 2.0 m.					
	Page 3, line 7: Adjusted air receiver design temperature.					
	Page 3, line 8: indicated manhole dimension					
В	Page 3, line 9: Informed air receiver dimensions					
	Page 3, line 38: Adjusted air compressor connections					
	Page 5: Adjusted sketch					
	Page 6, note 6: Complemented communication protocol information					
	Page 6: Included note 14					
0	ISSUED FOR CONSTRUCTION					









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COMPRESSED AIR - COMP-7A-1 / COMP-7A-2 // AD-7A-1 / AD-7A-2 // AR-7A-1

REV.:

					0
1	ITEM Nº: COMP-7A-1 / COMP-7A-2 QTD: 2	AIR RECEIVE	R DESIGN C	CONDITION	S
2	SERVICE: Compressed Air - Drug Product Bld. (7A)				Vertica
3	LOCAL: Goiana - Pernambuco		7A-1	(QTD: 1
4	APPLICABLE: PROPOSAL PURCHASE	DESIGN CODE:	AS	SME VIII - D	IV 1 AND NR-13
5	AS BUILT	VOLUME :		2 m³	
6	COMPRESSOR DESIGN CONDITIONS	PRES.E (bar g)	11.0 D E	ESIGN 6.	0 OPER .
7		TEMP. (° C)			.0 OPER.
8		MANHOLE DIM			350 X 450
9		DIMENSIONS (L	, ,		940 x 3,350
10		MATERIAL/PAI	,	/endor Stand	lard (note 1 / 14)
	ACTUATION: VFD (Variable-frequency drive)				(
	MATERIAL/PAINTING: Vendor Standard (note 1)				Condenser water
13	COMPRESSOR OPERATION CONDITIONS	WATER INLET			31.5 °C
		WATER RETUR			37.0 °C
	, ,	WATER COOLI		ONL.	By Vendor
16		PRESSURE OP			By Vendor
17		PRESSURE DR			By Vendor
18		COMPRESSO		DATA	by vendor
19		NUMBER OF ST		DATA	By Vendor
				, <u> </u>	_
20		EFFECTS	SINGL		
21	AIR DRYER DESIGN CONDITIONS	TYPE:	LUBR		
22	DRYER TYPE: Adsorption type - heated				VERTICAL
_		MINIMUM ALLOWABLE FLOW: By Vendor			
		MAXIMUM ALLOWABLE FLOW: By Vendor			
		LOCATION Indoor			
26	• • • • • • • • • • • • • • • • • • • •				85 dB(A) max
27	-	ELECTRICAL MOTOR GENERAL DATA			
28		POWER (kW):			By Vendor
	MATERIAL/PAINTING: Vendor Standard (note 1)	-	M):		By Vendor
30	AIR DRYER PRE-FILTER DESIGN CONDITIONS	TENSION (V) 380			
31	FILTER TYPE: Particulate Coalescing Filter				
32		FREQUENCY (Hz): 60			
33	,	SPEED CONTR			Yes
34		INSULATION CLASS: F			
35		SERVICE FACTOR: 1.25			
36		ZONE / TEMP. CLASS / GROUP: N/A			
37		PROTECTION: IP 55 AIR COMPRESSOR CONNECTIONS			
38	AIR DRYER POST-FILTER DESIGN CONDITIONS			IECTIONS	TVC5
39	FILTER TYPE: Particulate Coalescing Filter		SIZE		TYPE
40	ITEM №: F-AD-7A-1 / F-AD-7A-2	DISCH. AIR	By Vendo		I B16.5 /150#
41	·	WATER IN/OUT	By Vendo		I B16.5 /150#
42	TYPE OF PURGE: Automatic		By Vendo		NPT
43	-	AIR DRYER C		<u>15</u>	T./5 =
44		SERVICE	SIZE		TYPE
45		AIR INLET.	By Vendo		By Vendor
46	AIR RECEIVER POST-FILTER DESIGN CONDITIONS	AIR OUTLET	By Vendo		By Vendor
47		AIR DRYER F		INECTIONS	. ,
48	ITEM №: F-AR-7A-1 QTD : 1	SERVICE	SIZE		TYPE
49		AIR INLET.	By Vendo		By Vendor
50		AIR OUTLET	By Vendo		By Vendor
51	PRESSURE DROP: By Vendor	AIR RECEIVE		TER	
31		0551//05	CIZE		TYPE
52	INLET PRESSURE: 6.0 bar g	SERVICE	SIZE		
	_	AIR INLET.	By Vendo	or E	By Vendor









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TITLE SHEET:

COMPRESSED AIR - COMP-7A-1 / COMP-7A-2 // AD-7A-1 / AD-7A-2 // AR-7A-1

REV.:

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1	SHOD INSDECTION AND		WEICHT			
1	SHOP INSPECTION AND		NOT BEOT	WEIGHT	Pu Vandas Esseri	Pu Vandar Casa
2	SHOP INSPECTION	REQ'D		COMPRES.:	By Vendor EMPTY	By Vendor OPER.
3	HYDROSTATIC	REQ'D		AIR DRYER:	By Vendor EMPTY	By Vendor OPER. By Vendor OPER.
	MECHANICAL RUN	REQ'D		<u> </u>	By Vendor EMPTY	by veridor OPER.
5 6	PERFORMANCE TEST	REQ'D	NOT REQ'D	1		
7	COMPLETE UNIT TEST	REQ'D	NOT REQ'D			
8	FULL-LOAD TEST EQUIPMENT AND INSTR	REQ'D	NOT REQ'D	1		
9	COMPRESSOR:	UNENT SUPPLI		Py Vandar	MODEL	Pullandar
10	DRYER			By Vendor	MODEL	By Vendor
11				By Vendor		By Vendor
12	DRYER PRE FILTER			By Vendor	MODEL	By Vendor
	DRYER POST-FILTER	-n		By Vendor	MODEL	By Vendor
13	AIR RECEIVER POST-FILTE		By Vendor	MODEL	By Vendor	
14	ELECTICAL MOTOR		By Vendor	MODEL	By Vendor	
15	PRESSURE GAUGES		By Vendor	SIZE & TYPE	By Vendor	
16	TEMPERATURE GAUGES		By Vendor	SIZE & TYPE	By Vendor	
17	LEVEL GAUGES			By Vendor	SIZE & TYPE	By Vendor
18	DIFF-PRESSURE GAUGES			By Vendor	SIZE & TYPE	By Vendor
19	PRESSURE SWITCHES/TR/			By Vendor	SIZE & TYPE	By Vendor
20	DIFF-PRESSURE SWITCHE			By Vendor	SIZE & TYPE	By Vendor
21	TEMPERATURE SWITCHES			By Vendor	SIZE & TYPE	By Vendor
22	LEVEL SWITCHES/TRANSI	MITTERS		By Vendor	SIZE & TYPE	By Vendor
23	CONTROL VALVES			By Vendor	SIZE & TYPE	By Vendor
24	PRESSURE-RELIEF VALVE			By Vendor	SIZE & TYPE	By Vendor
25	THERMAL RELIEF VALVES	ļ 		By Vendor	SIZE & TYPE	By Vendor
26	FLOW INDICATORS			By Vendor	SIZE & TYPE	By Vendor
27	GAS FLOW MEASUREMEN			By Vendor	SIZE & TYPE	By Vendor
28	VIBRATION/AXIAL POSITION M	EASUREMENT		By Vendor	SIZE & TYPE	By Vendor
29	SPEED MEASUREMENT			By Vendor	SIZE & TYPE	By Vendor
30	SOLENOID VALVES			By Vendor	SIZE & TYPE	By Vendor
31	ON-OFF VALVES			By Vendor	SIZE & TYPE	By Vendor
32	DEW POINT ANALYZER		MFR.	By Vendor	SIZE & TYPE	By Vendor
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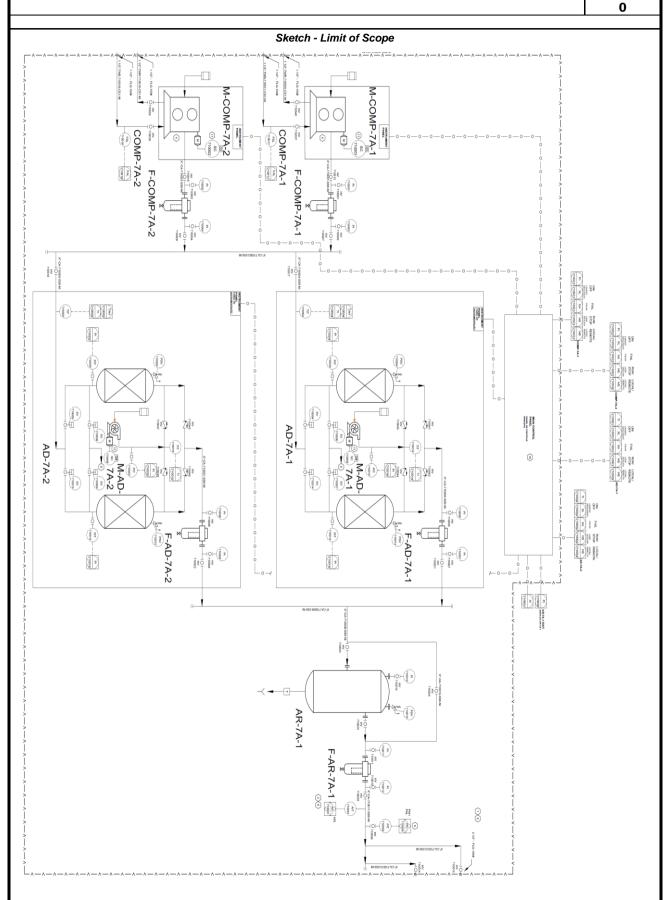


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COMPRESSED AIR - COMP-7A-1 / COMP-7A-2 // AD-7A-1 / AD-7A-2 // AR-7A-1

5/6 REV.:











NUMBER: CLIENT NR: PRD-MEC-DSH-001 569-DB7A-MEC-712-001 TITLE 6/6 COMPRESSED AIR - COMP-7A-1 / COMP-7A-2 // AD-7A-1 / AD-7A-2 // AR-7A-1 Notes: 1- Vendor Shall complete all blank fields in this data sheet. 2- Supplier shall issue with the proposal the material standard (ASTM, ANSI, etc) used in the equipment fabrication, as well as the painting procedure. 3- The scope of supply includes the instruments and wiring to junction box and/or local panel. 4- The local control panel is the battery limit of the package. 5- All instruments and components of the automation shall follow TAKEDA/BAXALTA's vendor list. 6- The control system shall be supplied with communication protocol in Ethernet and compatible with the Wonderware platform (BMS System) and manager all automation of the compressed air generation system. 7- The supplier shall provide the following documents: Instrument List, I/O List, Installation Bill of Materials, Instrumentation Hook-up, Logic Diagram, Cable List, Instrumentation Plans, Instrument Data Sheets, Control Valves and Pressure Relief Valves. 8- Available electrical power 380V - 3ph - 60 Hz. Control voltage shall be 220 V generated internally in the scope of the package. 9- Compliance with NR-10 is required. 10- Compliance with NR-12 is required. 11- Compliance with NR-13 is required. 12- Reference document: PRD-MEC-TSP-004 (TECHNICAL SPECIFICATION - COMPRESSED AIR SYSTEMS) 13- Air classification 1.2.0, according to ISO 8573-1: 2010. 14- The vessel shall have an internal and external painting. Internal only primer coat in epoxy, minimum thk of 100 μm. External shall have primer and finish top coat in epoxy with a minimum thk of 140 µm.