



	
DOC NUMBER: <b>569-DB7A-MEC-711-006</b>		CLIENT NUMBER: <b>PRD-MEC-DSH-028</b>	
CLIENT: <b>TAKEDA</b>			
PROJECT: <b>BURITI EPCVM PROJECT</b>			

## DATA SHEET

### CONDENSATE PUMP SKID - PC-7A-1

0	30/JUL/2021	ISSUED FOR CONSTRUCTION	ASO	LUIS	RSP
A	30/JUN/2021	90% DD ISSUE	ASO	LUIS	RSP
REV	DATE	DESCRIPTION	EXEC	CHECK	APPROV

 		 	
NUMBER: 569-DB7A-MEC-711-006		CLIENT NR: PRD-MEC-DSH-028	
TITLE CONDENSATE PUMP SKID - PC-7A-1			SHEET: 2/3 REV.: 0

## 1. REVISION HISTORY

Rev	Reason For Change
A	ORIGINAL ISSUE
0	ISSUED FOR CONSTRUCTION

NUMBER: 569-DB7A-MEC-711-006

CLIENT NR: PRD-MEC-DSH-028

TITLE

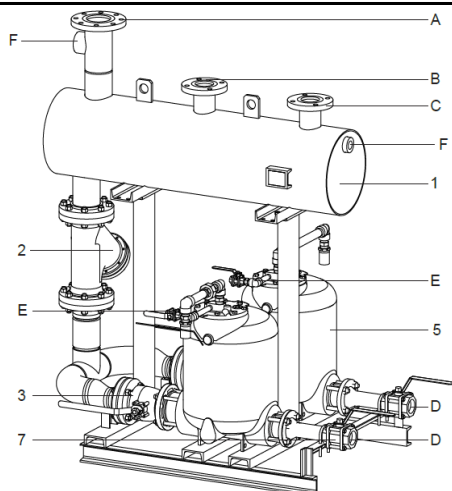
SHEET: 3/3

CONDENSATE PUMP SKID - PC-7A-1

REV.: 0

1	GENERAL					
1.1	ITEM N°:	PC-7A-1	QUANTITY:		1	
1.2	SERVICE:	CONDENSATE - HVAC AND PROCESS				
1.3	LOCAL:	7A BLD				
1.4	MANUFACTURER:	Note 1				
1.5	MODEL:	Note 1 and 2				
1.6	APLICABLE:	PURPOSE				
2	OPERATION CONDITIONS					
2.1	PUMP MOTIVE FLUID:	STEAM				
2.2	MOTIVE PRESSURE REQUIRED:	35 psig (2.4 barg)	MAX. CONDENSATE FLOW RATE REQ.:		2,644 kg/h	
2.3	PUMP DISCHARGE PRESSURE REQUIRED:	1.7 barg (24.7 psig)				
2.4	MOTIVE PRESSURE AVAILABLE:	8 barg	MAXIMUM FLOW RATE:		Note 1	
2.5	MAXIMUM CONDENSATE PRESSURE IN THE COLLECTOR:	Note 1	barg			
2.6	MAXIMUM PUMP SUPPLY PRESSURE:	Note 1	barg	STEAM CONSUMPTION:	Note 1	kg/h
3.0	SKID COMPONENT CONSTRUCTION MATERIALS					
3.1	ID.	DESCRIPTION	MATERIAL		OBSERVATIONS	
3.2	1	CONDENSATE COLLECTOR:	CARBON STEEL			
3.3	2	STRAINER:	CAST IRON			
3.4	3	MANUAL VALVE:	CARBON STEEL			
3.5	4	CHECK VALVE:	STAINLESS STEEL			
3.6	5	CONDENSATE PUMP:	DUCTILE IRON		SKID WITH 2 PUMPS (ONE SPARE)	
3.7	6	CHECK VALVE:	STAINLESS STEEL			
3.8	7	MANUAL VALVE:	CARBON STEEL			
3.9	8	MANUAL VALVE:	CARBON STEEL			
3.10	9	SILENCER:	STAINLESS STEEL			
3.11	10	CYCLE COUNTER				
4.0	CONNECTIONS					
4.1	ID.	DESCRIPTION	DIAMETER	TYPE	CLASS	OBSERVATIONS
4.2	A	EXHAUSTION	Note 1	FLANGE	150# RF	
4.3	B	CONDENSATE INLET	Note 1	FLANGE	150# RF	
4.4	C	CONDENSATE INLET	Note 1	FLANGE	150# RF	
4.5	D	CONDENSATE OUTLET	Note 1	THREAD	NPT	
4.6	E	STEAM SUPPLY	Note 1	THREAD	NPT	
4.7	F	OVERFLOW	Note 1	-	-	

SKETCH



NOTES:

1) To be filled by supplier.

2) Use as reference Spirax Sarco's Pivotrol model.