







OWNER:  شرکت سست و سویی تومند ایران پترو (سایپا، پتروشیمی)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER						 Netherlands		
MC :  شرکت سست و سویی تومند ایران پترو (سایپا، پتروشیمی)							Project	Area	Phase
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This document is cooler data sheet not compressor data sheet. AIRPACK is expected to check the document carefully before issuing document. **Therefor document is rejected.**

MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER

 شرکت سست و سویی تومند ایران پترو (سایپا، پتروشیمی)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	RE	
Next Status : IFC,IFA,IFI,AFC,AB	IFA	
Responsible Department	MECHANICAL	
Commented Date	Sep/22/2021	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

00	14/09/2021	For approval	KP	PW	JR	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

Rejected

VENDOR		Aftercooler mechanical datasheet				P.O. No.		52-98/445			
						Document No.		17811-11A			
						Sheet No.		3			
						Rev.No		00			
CONTRACTOR / END USER				BUSHEHR PETROCHEMICAL COMPANY MEG PLANT				Service		instrument air compressor 20-C-1002	
  											
INTER COOLER (20-AEC-1002-1)											
		SHELL SIDE (HUMID AIR)				TUBE SIDE (WATER)				GENERAL	
3	SHELL OPERATING PRESS.	bar(a)	14,5	TUBE OPERATING PRESS.	bar(g)	4,5	MANUFACTURER	Monje			
4	SHELL DESIGN PRESS.	bar(g)	25	TUBE DESIGN PRESS.	bar(g)	10	INLET SIZE	2" 300#			
5	SHELL OPERATING TEMP.	°C	134	TUBE OPERATING TEMP.	°C	35	OUTLET SIZE	2" 300#			
6	SHELL DESIGN TEMP.	°C	210	TUBE DESIGN TEMP.	°C	95	WATER INLET	1 1/2"SAE			
7	SHELL DIFF PRESSURE	mbar	3,645	TUBE DIFF PRESSURE	mbar	96,66	WATER OUTLER	1 1/2"SAE			
8	DISCHARGE TEMP.	°C	40	DISCHARGE TEMP.	°C	45	CORROSION ALL.	0			
9	AIR FLOW	Nm3/hr	565	WATER FLOW	m3/hr	4,3	DIM. LxWxH	1500 X 140 X 140			
10	SHELL MATERIAL		SS316	TUBE MATERIAL		SS316	WEIGHT	TBC			
11	DESIGN CODE		TEMA C, ASME VIII	DESIGN CODE		TEMA C, ASME VIII					
12	SHELL ID		133,3	TUBE SHEET TYPE		STRAIGHT TUBES WITH FIXED TUBESHEETS					
13	SHELL OD		139,7	TUBE NO.		72					
14	FLOATING HEAD COVER MAT.		SS316	TOBE OD.	mm	8					
15	GASKET SHELL SIDE TYPE		Viton	TUBE LENGTH	mm	1500					
16	HEAT EXCHANGER TYPE		Shell and Tube/fin	TUBE THICKNESS (AVG)	mm	0,5					
17	SHELL THICKNESS		3,2	TUBE PITCH	mm	11,5					
18	SURF/UNIT (EFF)		27,49	TUBESHEET FLOATING MATERIAL		N/A					
19	SURF/SHELL (EFF)		N/A	TUBESHEET FIXED MATERIAL		SS304					
AFTER COOLER (20-AEC-1002-2)											
		SHELL SIDE (HUMID AIR)				TUBE SIDE (WATER)				GENERAL	
3	SHELL OPERATING PRESS.	bar(a)	23,5	TUBE OPERATING PRESS.	bar(g)	4,5	MANUFACTURER	Monje			
4	SHELL DESIGN PRESS.	bar(g)	25	TUBE DESIGN PRESS.	bar(g)	10	INLET SIZE	2" 300#			
5	SHELL OPERATING TEMP.	°C	64	TUBE OPERATING TEMP.	°C	35	OUTLET SIZE	2" 300#			
6	SHELL DESIGN TEMP.	°C	210	TUBE DESIGN TEMP.	°C	95	WATER INLET	1 1/2"SAE			
7	SHELL DIFF PRESSURE	mbar	3,489	TUBE DIFF PRESSURE	mbar	11,12	WATER OUTLER	1 1/2"SAE			
8	DISCHARGE TEMP.	°C	40	DISCHARGE TEMP.	°C	45	CORROSION ALL.	0			
9	AIR FLOW	Nm3/hr	565	WATER FLOW	m3/hr	1,399	DIM. LxWxH	800 X 140 X 140			
10	SHELL MATERIAL		SS316	TUBE MATERIAL		SS316	WEIGHT	TBC			
11	DESIGN CODE		TEMA C, ASME VIII	DESIGN CODE		TEMA C, ASME VIII					
12	SHELL ID		133,3	TUBE SHEET TYPE		STRAIGHT TUBES WITH FIXED TUBESHEETS					
13	SHELL OD		139,7	TUBE NO.		72					
14	FLOATING HEAD COVER MAT.		SS316	TOBE OD.	mm	8					
15	GASKET SHELL SIDE TYPE		Viton	TUBE LENGTH	mm	800					
16	HEAT EXCHANGER TYPE		Shell and Tube/fin	TUBE THICKNESS (AVG)	mm	0,5					
17	SHELL THICKNESS		3,2	TUBE PITCH	mm	11,5					
18	SURF/UNIT (EFF)		15,7	TUBESHEET FLOATING MATERIAL		N/A					
19	SURF/SHELL (EFF)		N/A	TUBESHEET FIXED MATERIAL		SS304					
20											
21											
22											
23	NOTES :										
24											
25											
26											