





OWNER:  شرکت سست و سویی توستر ایران (سهایی نخبی)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
MC :  شرکت سست و سویی توستر ایران (سهایی نخبی)	PIPING LINE LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR								
	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-77B	BU	20	VD	303	PR	LST	0104	Rev.:	Page
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PIPING LINE LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

01	03/12/2024	Approved for construction		KP	KP	JR	
00	27/11/2024	For construction		DH	KP	JR	
Rev.	Date	Purpose of Issue		Prepared	Checked	Approved	AC Code
						Class: 1	Phase: P

Piping Line List



Line no.	Line description	P&ID Number	Line size	Schedule	Ende	Pipe material	Flange	Flange Material	Operating press.	Design press.	Operating temp.	Design temp.	Insulation	Tie in Point	Type of insulation
2"-INA-7001-523C(N)	instrument air Compressor inlet	BU-20-VD-303-PR-DWG-0066	2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	7 / 8 / 8,5 bar(a)	13,5 bar(a)	10 to 45°C	0 to 85°C	Not Insulated	TP-1	
2"-INA-7002-161D(N)	instrument air Compressor outlet	BU-20-VD-303-PR-DWG-0066	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	21bar(g)	25 bar(g)	40°C	0 to 85°C	Not Insulated	TP-2	
11/2"-CWS-7003-500C(N)	main cooling water supply	BU-20-VD-303-PR-DWG-0066	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 100°C	Not Insulated	TP-3	
11/2"-CWS-7005-500C(N)	after cooler cws	BU-20-VD-303-PR-DWG-0066	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 100°C	Not Insulated		
1/2"-CWS-7004-500C(N)	compressor cylinder cws	BU-20-VD-303-PR-DWG-0066	1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 100°C	Not Insulated		
1/2"-CWR-7007-500C(N)	compressor cylinder cwr	BU-20-VD-303-PR-DWG-0066	1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	1,5 bar(g)	10 bar(g)	45°C	0 to 100°C	Not Insulated		
11/2"-CWR-7006-500C(N)	after cooler cwr	BU-20-VD-303-PR-DWG-0066	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	1,5 bar(g)	10 bar(g)	45°C	0 to 100°C	Not Insulated		
11/2"-CWR-7008-500C(N)	main cooling water return	BU-20-VD-303-PR-DWG-0066	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	1,5 bar(g)	10 bar(g)	45°C	0 to 100°C	Not Insulated	TP-4	

NOTE: