

OWNER:



**BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT**

EPC CONTRACTOR:



MC :



**PIPING LINE LIST**



Owner Document Number: 17811-77	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
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**PIPING LINE LIST**

00	13/09/2021	For approval	KP	PW	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"-NL-1001-501C(N)	Nitrogen Compressor inlet	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	7 / 8 / 9 bar(a)	13,5 bar(a)	5 to 55°C	0 to 80°C	Not Insulated	TP-1	
2"-NL-1002-501C(N)	Interstage	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	14,5 bar(a)	16 bar(g)	134° C	170°C	Not Insulated		
2"-NL-1003-501C(N)	Nitrogen Compressor outlet	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	23,5 bar(g)	25 bar(g)	64°C	0 to 80°C	Not Insulated	TP-2	
2"-CWS-1004-501C(N)	main cooling water supply	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated	TP-3	
1 1/2"-CWS-1005-501C(N)	after cooler cws	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
1 1/2"-CWS-1006-501C(N)	inter cooler cws	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
3/4"-CWS-1007-501C(N)	compressor cylinder cws	17811-03B	3/4"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
3/4"-CWR-1008-501C(N)	compressor cylinder cwr	17811-03B	3/4"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
1 1/2"-CWR-1009-501C(N)	inter cooler cwr	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
1 1/2"-CWR-1010-501C(N)	after cooler cwr	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
2"-CWR-1011-501C(N)	main cooling water return	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated	TP-4	
2"-INA-7001-501C(N)	instrument air Compressor inlet	17811-03A	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 80°C	Not Insulated	TP-1	
2"-INA-7002-501C(N)	instrument air Compressor outlet	17811-03A	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	21bar(g)	25 bar(g)	64°C	0 to 80°C	Not Insulated	TP-2	
1 1/2"-CWS-7003-501C(N)	main cooling water supply	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated	TP-3	
1 1/2"-CWS-7004-501C(N)	after cooler cws	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
1/2"-CWS-7005-501C(N)	compressor cylinder cws	17811-03B	1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
1/2"-CWR-7006-501C(N)	compressor cylinder cwr	17811-03B	1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
1 1/2"-CWR-7007-501C(N)	after cooler cwr	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
1 1/2"-CWR-7008-501C(N)	main cooling water return	17811-03B	1 1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated	TP-4	

NOTE: