





OWNER:  شرکت سست و سویی گیس ایران (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
MC :  شرکت سست و سویی گیس ایران (سهامی خاص)	UTILITY CONSUMPTION LIST FOR NITROGEN GAS BOOSTER								
Owner Document Number: 17811-09A							Project	Area	Phase
	BU	20	VD	303	PR	LST	0014	Rev.: 01	Page 1 of 4

## UTILITY CONSUMPTION LIST FOR NITROGEN GAS BOOSTER

01	01/06/2022	For approval	DH	KP	JR		
00	04/05/2022	For approval	DH	KP	JR		
<b>Rev.</b>	<b>Date</b>	<b>Purpose of Issue</b>	<b>Prepared</b>	<b>Checked</b>	<b>Approved</b>	<b>AC Code</b>	
						<b>Class: 1</b>	<b>Phase: P</b>





# Utility Consumption List



**Project :** Bushehr MEG Plant Project

VENDOR NAME.	Airpack Nederland BV
ITEM NAME.	Instrument Air Compressor Package
REV. NO.	01
DATE.	01/06/2022

## UTILITY CONSUMPTION

NO.	Tag No.	Description	Rate m3/h	Duty		Remarks
				Continuous	Intermittent	
<b>A : Nitrogen</b>						
1	20-C-1002	Utility consumption of nitrogen gas compressor	565 m3/h	X		inlet : 7 / 8 / 9 bar(a) / 5 - 52°C outlet : 23,5 bar(a) / 52°C max.
2						
3						
4						
5						
<b>B : Water</b>						
1	20-C-1002	Nitrogen gas compressor cooling water	15 m3/hr	X		inlet : 4,5 bar(g) / 35°C outlet : 1,5 bar(g) / 45°C
2						
3						
4						
5						



# Utility Consumption List



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ITEM NAME.	Instrument Air Compressor Package
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## ELECTRICAL LOAD LIST

NO.	Tag No.	Description	Electrical data		Remarks
			Absorbed Power kW	Rated power kW	
<b>A : Voltage (400V / 50Hz / 3 ph)</b>					
1	20-C-1002-M	Main motor	35	45	
<b>A : Voltage (230V / 50Hz / 1 ph)</b>					
1	NA	Heater	0,15	0,15	
2	UCP-C1002-01		0,05	0,15	
<b>C : UPS(110V / 50Hz / 1 ph)</b>					
1	UCP-C1002-01	UCP	0,2	0,24	
2	UCP-C1002-01	UCP	0,2	0,24	