

 <p>شرکت توسعه صنایع لوان Lavan Industry Development Company</p>	<p><b>LIDCO, Pars SEE Zone, Assaluyeh, Integrated Methanol and Ammonia Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT</b></p>						
	<p><b>I/O List</b></p>						
<p>Document No. 17735-06</p>		<p>Page</p>					
<p>Project No.</p>	<p>Vendor Doc.</p>	<p>P.O. No.</p>	<p>Department</p>	<p>Document Type</p>	<p>Serial No</p>	<p>Revision</p>	<p>Page</p>
<p>N278</p>	<p>VD</p>	<p>6019</p>	<p>IN</p>	<p>LIS</p>	<p>0006</p>	<p>04</p>	<p>Page 1 of 3</p>

**Airpack B.V. - Air Compressor –  
Integrated Methanol and Ammonia Plant  
17735-COM I/O List (K020)**

code-2  
M. Vakili

04	05-04-2024	Issued for Approval	A.Z.	S.K.	J.J.
03	22-02-2024	Issued for Approval	A.Z.	S.K.	J.J.
02	02-02-2024	Issued for Approval	T.T.	S.K.	J.J.
01	10-11-2023	Issued for Approval	T.T.	S.K.	J.J.
<b>REV.</b>	<b>DATE</b>	<b>DESCRIPTION</b>	<b>DRAWN</b>	<b>CHECKED</b>	<b>APPROVED</b>

This document has been produced by Contractor for LIDCO. It is confidential and cannot be disclosed to or used by any third party for any purpose without prior written consent.

I/O List

Document No. 17735-06

Page

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
N278	VD	6019	IN	LIS	0006	04	Page 2 of 3

LIST OF REVISED PAGES

Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05
1	X	X	X	X		26						51						76					
2	X	X	X	X		27						52						77					
3	X	X	X	X		28						53						78					
4						29						54						79					
5						30						55						80					
6						31						56						81					
7						32						57						82					
8						33						58						83					
9						34						59						84					
10						35						60						85					
11						36						61						86					
12						37						62						87					
13						38						63						88					
14						39						64						89					
15						40						65						90					
16						41						66						91					
17						42						67						92					
18						43						68						ATTACHMENT					
19						44						69						1					
20						45						70						2					
21						46						71						3					
22						47						72						4					
23						48						73						5					
24						49						74						6					
25						50						75						7					

TAG NUMBER	LINE NUMBER	SERVICE DESCRIPTION	INSTRUMENT TYPE	LOCATION	P&ID NUMBER	SYSTEM TYPE	I/O TYPE	SIGNAL TYPE	CALIBRATED RANGE	ENGINEERING UNIT	STATE 0	STATE 1	SET POINT		SET POINT		FROM	TO	PROTOCOL	IS/NIS	NO/NC	DCS/ESD	REDUNDANCY	
													POINT L	POINT H	POINT L	POINT H								
320PT-8201	1"-IA-320-01-D42-N	Pressure transmitter package inlet	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...16 (bar(g))	-	-	-	-	7.5	12	-	-	JDAN-820	DCS	HART	NIS	-	DCS	REDUNDANT
320TT-8201	1"-IA-320-01-D42-N	Temperature transmitter package inlet	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...100°C	-	-	-	-	40	50	-	-	JDAN-820	DCS	HART	NIS	-	DCS	-
320TT-8203	3/4"-IA-320-03-F42-H	Temperature transmitter 1st stage discharge	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...250°C	-	-	-	-	145	185	-	-	JDAN-820	DCS	HART	NIS	-	DCS	-
320PT-8202	3/4"-IA-320-05-F42-H	Pressure transmitter 2nd stage suction	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...60 (bar(g))	-	-	-	-	19	15.5	-	-	JDAN-820	DCS	HART	NIS	-	DCS	REDUNDANT
320TT-8203	3/4"-IA-320-05-F42-H	Temperature transmitter 2nd stage suction	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...250°C	-	-	-	-	-	65	70	-	JDAN-820	DCS	HART	NIS	-	DCS	REDUNDANT
320TT-8204	3/4"-IA-320-06-F42-H	Temperature transmitter 2nd stage discharge	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...160°C	-	-	-	-	105	125	-	-	JDAN-820	DCS	HART	NIS	-	DCS	-
320TT-8205	4"-IA-320-08-D42-N	Temperature transmitter package outlet	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...160°C	-	-	-	-	-	-	-	-	JDAN-820	DCS	HART	NIS	-	DCS	-
320PT-8203	3/4"-IA-320-09-D42-N	Pressure transmitter package outlet	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	0...60 (bar(g))	-	-	-	-	25	-	-	34	JDAN-820	DCS	HART	NIS	-	DCS	REDUNDANT
320PT-8204	Oil system	Pressure transmitter oil system	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AI	4-20 mA	-1...5 (bar(g))	-	-	-	-	-	-	-	-	JDAN-820	DCS	HART	NIS	-	DCS	-
320PCV-8201	3/4"-IA-320-11-D42-N	Pressure Control Valve Bypass	CONTROL VALVE	FIELD	N-278-VD-6019-PR-PID-0002	COMPRESSOR	AO	4-20 mA	NA/NA	-	-	-	-	-	-	-	-	DCS	JDAN-820	-	NIS	-	DCS	REDUNDANT
320-XL-8201	-	Running Light	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DO	24 VDC	NA/NA	Stopped	Running	-	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	-
320-XL-8202	-	Operational Light	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DO	24 VDC	NA/NA	Operational	-	-	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	-
320-XL-8203	-	Fault Light	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DO	24 VDC	NA/NA	Healthy	Fault	-	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	-
320-XL-8204	-	Emergency Trip Light	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DO	24 VDC	NA/NA	Healthy	Eme trip	-	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	-
320-HS-8201	-	Start Pushbutton	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DI	24 VDC	NA/NA	Start	-	-	-	-	-	-	-	300LP-820	DCS	-	-	NO	DCS	-
320-HS-8202	-	Stop Pushbutton	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DI	24 VDC	NA/NA	Stop	-	-	-	-	-	-	-	300LP-820	DCS	-	-	NC	DCS	-
320-HS-8203	-	Emergency Stop Pushbutton	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DI	24 VDC	NA/NA	ESD	Healthy	-	-	-	-	-	-	300LP-820	DCS	-	-	NC	DCS	-
320-HS-8204	-	Local / Remote Switch	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DI	24 VDC	NA/NA	Local	Remote	-	-	-	-	-	-	300LP-820	DCS	-	-	NO	DCS	-

these commands shall be volt free contact based on wiring diagram

REDUNDANT

AO signal should be considered redundant too.