



LIDCO, Pars SEE Zone, Assaluyeh,
Integrated Methanol and Ammonia
Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT



I/O List

Document No. 17735-06

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

code-2
M. Vakili

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
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.

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As per latest VPIS, "01" is removed from all document No.

Re-Comment: refer to reply sheet All signals that cause trip Status should be considered redundant

Redundancy column should be added

TAG NUMBER	LINE NUMBER	SERVICE DESCRIPTION	INSTRUMENT TYPE	LOCATION	P&ID NUMBER	I/O SYSTEM TYPE	SIGNAL TYPE	CALIBRATED RANGE	ENGINEERING UNIT	STATE 0	STATE 1	SET POINT		SET POINT		FROM	TO	PROTOCOL	IS/NIS	NO/NC	DCS/ESD		
												SET POINT L	SET POINT H	SET POINT L	SET POINT H								
320PT-8201	1"-IA-320-01-D42-N	Pressure transmitter package inlet	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...160 bar(g)	-	-	-	40	7.5	12	-	IDAN-820	DCS	HART	NIS	-	DCS	
320TT-8201	1"-IA-320-01-D42-N	Temperature transmitter package inlet	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...100 °C	-	-	-	145	-	165	-	IDAN-820	DCS	HART	NIS	-	DCS	
320TT-8202	3/4"-IA-320-03-F42-H	Temperature transmitter 1st stage discharge	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...250 °C	-	-	-	19	15.5	-	-	IDAN-820	DCS	HART	NIS	-	DCS	
320PT-8203	3/4"-IA-320-05-F42-H	Pressure transmitter 2nd stage suction	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...360 bar(g)	-	-	-	-	-	-	-	IDAN-820	DCS	HART	NIS	-	DCS	
320TT-8203	3/4"-IA-320-05-F42-H	Temperature transmitter 2nd stage suction	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...250 °C	-	-	-	-	-	65	70	IDAN-820	DCS	HART	NIS	-	DCS	
320TT-8204	3/4"-IA-320-06-F42-H	Temperature transmitter 2nd stage discharge	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...160 °C	-	-	-	105	-	125	-	IDAN-820	DCS	HART	NIS	-	DCS	
320TT-8205	4"-IA-320-08-D42-N	Temperature transmitter package outlet	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...160 °C	-	-	-	-	-	-	-	IDAN-820	DCS	HART	NIS	-	DCS	
320PT-8203	3/4"-IA-320-09-D42-N	Pressure transmitter package outlet	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	0...60 bar(g)	-	-	-	25	-	34	-	IDAN-820	DCS	HART	NIS	-	DCS	
320PT-8204	Oil system	Pressure transmitter oil system	TRANSMITTER	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AI	4-20 mA	-1...110 bar(g)	-	-	-	-	-	-	-	IDAN-820	DCS	HART	NIS	-	DCS	
320PCV-8201	3/4"-IA-320-11-D42-N	Pressure Control Valve Bypass	CONTROL VALVE	FIELD	N-278-YD-6019-PR-PID-0002-0	COMPRESSOR	AO	4-20 mA	NA/NA	-	-	-	-	-	-	-	DCS	IDAN-820	-	NIS	-	DCS	
320-XL-8201	-	Running Light	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DO	24 VDC	NA/NA	Stopped	Running	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	
320-XL-8202	-	Operational Light	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DO	24 VDC	NA/NA	NA/NA	Operational	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	
320-XL-8203	-	Fault Light	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DO	24 VDC	NA/NA	Healthy	Fault	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	
320-XL-8204	-	Emergency Trip Light	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DO	24 VDC	NA/NA	Healthy	Eme trip	-	-	-	-	-	DCS	300LP-820	-	-	-	DCS	
320-HS-8201	-	Start Pushbutton	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DI	24 VDC	NA/NA	-	Start	-	-	-	-	-	300LP-820	DCS	-	-	-	NO	DCS
320-HS-8202	-	Stop Pushbutton	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DI	24 VDC	NA/NA	Stop	-	-	-	-	-	-	300LP-820	DCS	-	-	-	NC	DCS
320-HS-8203	-	Emergency Stop Pushbutton	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DI	24 VDC	NA/NA	ESD	Healthy	-	-	-	-	-	300LP-820	DCS	-	-	-	NC	DCS
320-HS-8204	-	Local / Remote Switch	SIGNAL	FIELD	N-278-YD-6019-PR-PID-0002-0	DCS	DI	24 VDC	NA/NA	Local	Remote	-	-	-	-	-	300LP-820	DCS	-	-	-	NO	DCS
320HS-8205																							

- As per TCL, Lamp test push button should be considered in LPS, then should be added in IO List and other related document.