

	LIDCO, Pars SEE Zone, Assaluyeh, Integrated Methanol and Ammonia Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT						
	I/O List						
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**Airpack B.V. - Air Compressor –
Integrated Methanol and Ammonia Plant
17735-COM I/O List (K020)**

code-2
M. V

05	14-04-2024	Issued for Approval	A.Z.	S.K.	J.J.
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.
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

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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-8202	3/4"-IA-320-05-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	VOLT FREE	NA/NA	Start	-	-	-	-	-	-	-	300LP-820	DCS	-	-	NO	DCS	-
320-HS-8202	-	Stop Pushbutton	SIGNAL	FIELD	N-278-VD-6019-PR-PID-0002	DCS	DI	VOLT FREE	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	VOLT FREE	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	VOLT FREE	NA/NA	Local	Remote	-	-	-	-	-	-	300LP-820	DCS	-	-	NO	DCS	-

As per data sheet PCV comment and PID document, one signal (AI or DI) related to positioner feedback (PCV-8201) is missed in all related document (wiring diagram, Cable Schedule, ...). This signal should be added and modified in all related document.