

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

code-2
M. V

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
02	18-04-2024	Issued for Approval	S.C.	S.K.	J.J.
01	09-11-2023	Issued for Approval	T.T.	S.K.	J.J.

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TAG NUMBER	INSTRUMENT TYPE	LOCATION	P&ID NUMBER	LINE/EQUIPMENT NUMBER	SYSTEM TYPE	I/O TYPE	SIGNAL TYPE	CALIBRATED RANGE		ENGINEERING UNIT	SET POINT L	SET POINT LL	SET POINT H	SET POINT HH	PROCESS CONNECTION		B&B	TYPE B&B	TW	PROTOCOL	PANEL OR LOCAL MOUNTED	MANUFACTURER	MODEL	DCS/ESD	EX CLASS
								MIN	MAX						CONNECTION	CONNECTION									
320-PT-8201	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	1"-IA-320-012-042-N	COMPRESSOR	AI	ANALOG	0-16	bar(g)		7.5	12			1/2" NPT	1/2" NPT	YES	2-WAY		HART	PANEL MOUNTED		DCS	Safe Area	
320-PG-8201	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	1"-IA-320-012-042-N	COMPRESSOR	-									1/2" NPT	1/2" NPT									
320-PSV-8201	SAFETY VALVE	FIELD	N-278-VD-6019-PR-PID-0002-01	DAMPENER KV-020-001	COMPRESSOR	-									1 1/2" 300W RF	1 1/2" 300W RF									
320-TT-8201	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	DAMPENER KV-020-001	COMPRESSOR	AI	ANALOG	0-100	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8201	HART			DCS		
320-TG-8206	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	DAMPENER KV-020-001	COMPRESSOR	-		0-100	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8206		LOCAL MOUNTED				
320-PSV-8202	SAFETY VALVE	FIELD	N-278-VD-6019-PR-PID-0002-01	DAMPENER KV-020-002	COMPRESSOR	-									3/4" 300W RF	3/4" 300W RF									
320-TT-8202	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	DAMPENER KV-020-002	COMPRESSOR	AI	ANALOG	0-250	°C		145		165		3/4" NPT	1 1/2" 300W RF			320-TW-8202	HART			DCS		
320-TG-8207	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	DAMPENER KV-020-002	COMPRESSOR	-		0-300	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8207		LOCAL MOUNTED				
320-PG-8202	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	-		0-40	bar(g)						1/2" NPT	1/2" NPT	YES	2-WAY			PANEL MOUNTED				
320-PT-8202	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	AI	ANALOG	0-60	bar(g)		19	15.5			1/2" NPT	1/2" NPT	YES	2-WAY		HART			DCS		
320-TT-8203	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	AI	ANALOG	0-250	°C				65	70	3/4" NPT	1 1/2" 300W RF			320-TW-8203	HART			DCS		
320-PSV-8203	SAFETY VALVE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	-									3/4" 300W RF	3/4" 300W RF									
320-TT-8204	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	AI	ANALOG	0-160	°C		105		125		3/4" NPT	1 1/2" 300W RF			320-TW-8204	HART			DCS		
320-TG-8208	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	-		0-200	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8208		LOCAL MOUNTED				
320-TT-8205	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	AI	ANALOG	0-160	°C			65	70		3/4" NPT	1 1/2" 300W RF			320-TW-8205	HART			DCS		
320-TG-8209	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-05-042-N	COMPRESSOR	-		0-200	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8209		LOCAL MOUNTED				
320-PG-8203	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-10-D42-N	COMPRESSOR	-		0-60	bar(g)						1/2" NPT	1/2" NPT	YES	2-WAY			PANEL MOUNTED				
320-PT-8203	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-10-D42-N	COMPRESSOR	AI	ANALOG	0-60	bar(g)		25			34	1/2" NPT	1/2" NPT	YES	2-WAY		HART			DCS		
320-PG-8204	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" CW-320-20-B24C-N	COMPRESSOR	-		0-10	bar(g)						1/2" NPT	1/2" NPT	YES	2-WAY							
320-TG-8210	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	4" CW-320-24-B24C-N	COMPRESSOR	-		0-100	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8210		LOCAL MOUNTED				
320-TG-8211	GAUGE	FIELD	N-278-VD-6019-PR-PID-0002-01	4" CW-320-22-B24C-N	COMPRESSOR	-		0-100	°C						3/4" NPT	1 1/2" 300W RF			320-TW-8211		LOCAL MOUNTED				
320-PSV-8204	SAFETY VALVE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" CW-320-26-B24C-N	COMPRESSOR	-									1 1/2" 300W RF	1 1/2" 300W RF									
320-PT-8204	TRANSMITTER	FIELD	N-278-VD-6019-PR-PID-0002-01	OIL PUMP	COMPRESSOR	AI	ANALOG	3-5	bar(g)						1/2" NPT	1/2" NPT	YES	2-WAY		HART			DCS		
320-PCV-8201	CONTROL VALVE	FIELD	N-278-VD-6019-PR-PID-0002-01	3/4" IA-320-11-D42-N	COMPRESSOR	-									1 1/2" 300W RF	1/4" NPT									

As per comment on PCV datasheet document, Positioner should be added to the list

As per PCV data sheet and PID document, Analoge Input or Digital input signal related to positioner is missed in all related document (wiring diagram, IO list, Cable Schedule). This signal should be added and modified in all related Document.

I/O type for PCV

I/O type for positioner should be mentioned DI or AI

For more information see instrument datasheets: N-278-VD-6019-IN-05-0013-01

For more information see hook-up drawings: N-278-VD-6019-IN-DWG-0035-1

AO
DI or AI