



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



Index of Instruction and Operating Manual

Document No. 17735-20

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
N278	VD	6019	GN	LIS	0021	04	Page 1 of 5

**Airpack B.V. - Air Compressor –
Integrated Methanol and Ammonia Plant**

17735-COM Index of Instruction and Operating Manual (K020)

04	14-02-2024	Issued for Approval	M.C.	J.J.	S.K.
03	06-02-2024	Issued for Approval	M.C.	J.J.	S.K.
02	13-12-2023	Issued for Approval	M.C.	J.J.	S.K.
01	13-11-2023	Issued for Approval	M.C.	J.J.	S.K.
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

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.

Index of Instruction and Operating Manual

Document No. 17735-20

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
N278	VD	6019	GN	LIS	0021	04	Page 2 of 5

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	X	X	X	X		29						54						79					
5				X		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					

Integrated Methanol and Ammonia Plant

Operating and maintenance data

- A General Data
- B Safety Precautions
- C Main Components (Start-up, Shutdown, Commissioning, Pre-commissioning)
 - 1 Compressor
 - 2 Motor
 - 3 Inlet Filter
 - 4 Moisture Separator
 - 5 Inter / after cooler
- D Electrical and Instrumentation Equipment
 - 1 Pressure Gauge
 - 2 Pressure transmitter
 - 3 Temperature Transmitter
 - 4 Thermowell + Element
 - 5 Temperature gauge
 - 6 Pressure Safety Valve
 - 7 Hand Ball Valve
 - 8 Pressure Control Valve
 - 9 Check Valve
 - 10 Y-Strainer
 - 11 Local Push Button Station
- E Troubleshooting
- F Preventive maintenance chart
- G Overall spare parts list
- H Logbook
- I Plant manager liability list
- J Lubricant chart

Integrated Methanol and Ammonia Plant

K Documents

- 1 Vendor Print Index and Schedule
- 2 Piping & Instrument Diagram
- 3 General Arrangement Drawing (incl foundation load details)
- 4 3D model (STP)
- 5 Wiring Diagram (including Terminal Diagram) for LCP Panel and Junction Box
- 6 I/O List
- 7 Outline Dimensional Drawings for LCP Panel and Junction Box
- 8 Inspection & Test Plan (ITP)
- 9 Utility Consumption
- 10 Main Motor Data Sheets
- 11 Equipment Data Sheet
- 12 Inter / After Cooler Data Sheet
- 13 Instrument Data Sheets
- 14 Commissioning and Start-up Spares
- 15 FAT Procedure (incl full unit mechanical run test procedure)
- 16 NDE Procedure
- 17 Package Nameplate Drawing
- 18 Hydrotest procedure
- 19 Surface Preparation and Painting Procedure
- 20 Index of Vendor Data Book
- 21 Index of Instruction and Operating Manual
- 22 Control philosophy and Interlock Description □
- 23 Preservation, Packing & Shipping Procedure
- 24 Detail Drawings for Coolers
- 25 Detail Drawings for Pulsation Dampers
- 26 Pulsation Study Approach 1 Calculations
- 27 Welding Book PQR / WPS
- 28 WPQ
- 29 Cause & Effect Chart
- 30 Tie-in Nozzle Loads

	Vendor doc. Number	P.O. NO.:
	17735-19	LIDCO-PO-NEC-278-6019
	Vendor:	
	Airpack Nederland B.V.	

Integrated Methanol and Ammonia Plant

K Documents

- 31 Loop diagrams
- 32 Control and shut down Logic Block Diagram
- 33 (Pre-) Commissioning Procedure
- 34 Instrument Index
- 35 Quality Manual
- 36 Instrument Hook-up Drawing
- 37 Earthing Diagrams
- 38 Spare Parts for 2 years Operation (SPIR)
- 39 Sub-Supplier List
- 40 PSV Data Sheets
- 41 PSV sizing calculations
- 42 Control Valve Data Sheets
- 43 Noise Data Sheet
- 44 Lubrication List
- 45 Instrument Cable schedule
- 46 Line List
- 47 Weight data sheet

	Vendor doc. Number 17735-19	P.O. NO.: LIDCO-PO-NEC-278-6019
	Vendor: Airpack Nederland B.V.	