




| | | | | | | | |
|--|--|---|-------------------|----------------------|------------------|-----------------|--------------------|
|  <p>شرکت توسعه صنایع لوان Lavan Industry Development Company</p> | <p>LIDCO, Pars SEE Zone, Assaluyeh, Integrated Methanol and Ammonia Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT</p> |  | | | | | |
|  | <p>I/O List</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)**

| | | | | | |
|-------------|-------------|---------------------|--------------|----------------|-----------------|
| 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 |

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-320-01-042-N | Pressure transmitter package inlet | TRANSMITTER | FIELD | N-278-VD-6019-PR-PID-0002 | COMPRESSOR | AI | 4-20 mA | 0...16 (barig) | - | - | - | - | 7.5 | 12 | - | - | JDAN-820 | DCS | HART | NIS | - | DCS | REDUNDANT | |
| 320TT-8201 | 1"-IA-320-01-042-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-320-05-142-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-320-05-142-H | Pressure transmitter 2nd stage suction | TRANSMITTER | FIELD | N-278-VD-6019-PR-PID-0002 | COMPRESSOR | AI | 4-20 mA | 0...60 (barig) | - | - | - | - | 19 | 15.5 | - | - | JDAN-820 | DCS | HART | NIS | - | DCS | REDUNDANT | |
| 320TT-8203 | 3/4"-IA-320-05-142-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-320-06-142-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-320-08-042-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-320-09-042-N | Pressure transmitter package outlet | TRANSMITTER | FIELD | N-278-VD-6019-PR-PID-0002 | COMPRESSOR | AI | 4-20 mA | 0...60 (barig) | - | - | - | - | 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 (barig) | - | - | - | - | - | - | - | - | JDAN-820 | DCS | HART | NIS | - | DCS | - | |
| 320PCV-8201 | 3/4"-IA-320-11-042-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 | - | |
| 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 | |