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

| REV. | DATE | DESCRIPTION | DRAWN | CHECKED | APPROVED |
|------|------------|---------------------|-------|---------|----------|
| 02 | 12-06-2024 | Issued for Approval | S.K. | S.K. | J.J. |
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Inter / After Cooler Data Sheet




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| 2 | X | X | | | | 27 | | | | | | 52 | | | | | | 77 | | | | | |
| 3 | X | X | | | | 28 | | | | | | 53 | | | | | | 78 | | | | | |
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| 6 | | | | | | 31 | | | | | | 56 | | | | | | 81 | | | | | |
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| 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 | | | | | |

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| VENDOR | |  | | Inter- after cooler data sheet | | P.O. No. | | LIDCO-PO-NEC-278-6019 | | | |
| | | | | | | Document No. | | 17735-11B | | | |
| | | | | | | Sheet No. | | 3 | | | |
| | | | | | | Rev.No | | Rev.02 | | | |
| CONTRACTOR / END USER | | | | LIDCO, Pars SEE Zone, Assaluyeh, Integrated Methanol and Ammonia Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT | | | | | | | |
|  | |  | | | | | | Service | | Instrument air booster compressor | |
| INTER COOLER | | | | | | | | | | | |
| 1 | | | | | | | | | | | |
| SHELL SIDE (HUMID AIR) | | | TUBE SIDE (WATER) | | | | GENERAL | | | | |
| 3 | SHELL OPERATING PRESS. | bar(g) | 23,3 | TUBE OPERATING PRESS. | bar(g) | 4,5 | MANUFACTURER | IWS Monje | | | |
| 4 | SHELL DESIGN PRESS. | bar(g) | 30,5 | TUBE DESIGN PRESS. | bar(g) | 7 | INLET SIZE | 3/4" 600# WNRF | | | |
| 5 | SHELL OPERATING TEMP. | °C | 157 | TUBE OPERATING TEMP. | °C | 46 | OUTLET SIZE | 3/4" 600# WNRF | | | |
| 6 | SHELL DESIGN TEMP. | °C | 175 | TUBE DESIGN TEMP. | °C | 75 | WATER INLET | G 3/4" | | | |
| 7 | SHELL DIFF PRESSURE | mbar | 1.249 | TUBE DIFF PRESSURE | mbar | 1,08 | WATER OUTLER | G 3/4" | | | |
| 8 | DISCHARGE TEMP. | °C | 60 | DISCHARGE TEMP. | °C | 46 | CORROSION ALL. | 0 mm | | | |
| 9 | AIR FLOW | Nm3/hr | 35 | WATER FLOW | m3/hr | 0,3 | DIM. LxWxH | 482,4x300x115 | | | |
| 10 | SHELL MATERIAL | | TP316 - SA-312 | TUBE MATERIAL | | TP316L - SA-312 | WEIGHT | ca. 15kg | | | |
| 11 | | | | | | | DESIGN CODE | TEMA C, ASME VIII Div. 1 | | | |
| 21 | | | | | | | | | | | |
| AFTER COOLER | | | | | | | | | | | |
| 22 | | | | | | | | | | | |
| SHELL SIDE (HUMID AIR) | | | TUBE SIDE (WATER) | | | | GENERAL | | | | |
| 23 | SHELL OPERATING PRESS. | bar(g) | 30 | TUBE OPERATING PRESS. | bar(g) | 4,5 | MANUFACTURER | IWS Monje | | | |
| 24 | SHELL DESIGN PRESS. | bar(g) | 39 | TUBE DESIGN PRESS. | bar(g) | 7 | INLET SIZE | 3/4" 600# WNRF | | | |
| 25 | SHELL OPERATING TEMP. | °C | 116 | TUBE OPERATING TEMP. | °C | 46 | OUTLET SIZE | 3/4" 600# WNRF | | | |
| 26 | SHELL DESIGN TEMP. | °C | 135 | TUBE DESIGN TEMP. | °C | 75 | WATER INLET | G 3/4" | | | |
| 27 | DIFF PRESSURE | mbar | 0,9397 | TUBE DIFF PRESSURE | mbar | 0,3826 | WATER OUTLER | G 3/4" | | | |
| 28 | DISCHARGE TEMP. | °C | 60 | DISCHARGE TEMP. | | 46 | CORROSION ALL. | 0 mm | | | |
| 29 | AIR FLOW | Nm3/hr | 35 | WATER FLOW | m3/hr | 0,14 | DIM. WxHxL | 482,4x300x115 | | | |
| 30 | SHELL MATERIAL | | TP316 - SA-312 | TUBE MATERIAL | | TP316L - SA-312 | WEIGHT | ca. 15kg | | | |
| 31 | | | | | | | DESIGN CODE | TEMA C, ASME VIII Div. 1 | | | |
| 52 NOTES : | | | | | | | | | | | |
| 53 | | | | | | | | | | | |
| 54 | | | | | | | | | | | |
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