



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



Inter / After Cooler Data Sheet

Document No. 17735-12

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**Airpack B.V. - Air Compressor –  
Integrated Methanol and Ammonia Plant  
17735-COM Inter / After Cooler Data Sheet (K020)**

code-2  
M. Vakili

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
01	03-04-2024	Issued for Approval	S.K.	S.K.	J.J.

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VENDOR		 <b>Inter- after cooler data sheet</b>		P.O. No.		LIDCO-PO-NEC-278-6019		
				Document No.		17735-11B		
				Sheet No.		3		
				Rev.No		Rev.01		
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
<b>INTER COOLER</b>								
		<b>SHELL SIDE (HUMID AIR)</b>		<b>TUBE SIDE (WATER)</b>		<b>GENERAL</b>		
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		
7	SHELL DIFF PRESSURE	mbar	1.249	TUBE DIFF PRESSURE	mbar	1,08		
8	DISCHARGE TEMP.	°C	60	DISCHARGE TEMP.	°C	46		
9	AIR FLOW	Nm3/hr	35	WATER FLOW	m3/hr	0,3	DIM. LxWxH	482,4x300x115
10	SHELL MATERIAL		SS316	TUBE MATERIAL		SS316	WEIGHT	ca. 15kg
11							DESIGN CODE	TEMA C, ASME VIII Div. 1
<b>AFTER COOLER</b>								
		<b>SHELL SIDE (HUMID AIR)</b>		<b>TUBE SIDE (WATER)</b>		<b>GENERAL</b>		
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 OUTLET	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		SS316	TUBE MATERIAL		SS316	WEIGHT	ca. 15kg
31							DESIGN CODE	TEMA C, ASME VIII Div. 1
52	<b>NOTES :</b>							
53								
54								
55								

Discrepancy with PID to be removed.

ASTM No. and grade of all materials to be mentioned.