



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



Outline Dimensional Drawings for LCP Panel and Junction Box

Document No. 17735-07

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
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**Airpack B.V. - Air Compressor –  
Integrated Methanol and Ammonia Plant  
17735-COM Outline Dimensional Drawings for LCP Panel and  
Junction Box (K020)**

Code 1  
M.Dalakeh

06	02-05-2024	Issued for Approval	R.T.	S.K.	J.J.
05	18-04-2024	Issued for Approval	R.T.	S.K.	J.J.
04	20-03-2024	Issued for Approval	R.T.	S.K.	J.J.
03	14-02-2024	Issued for Approval	R.T.	S.K.	J.J.
02	21-12-2023	Issued for Approval	R.T.	S.K.	J.J.
01	07-12-2023	Issued for Approval	R.T.	S.K.	J.J.
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

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Outline Dimensional Drawings for LCP Panel and Junction Box

Document No. 17735-07

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2	X	X	X	X	X	X					52						77					
3	X	X	X	X	X	X					53						78					
4	X	X	X	X	X	X					54						79					
5	X	X	X	X	X	X					55						80					
6	X	X	X	X	X	X					56						81					
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24											74						6					
25											75						7					

Nr.	Description	Tag Number	Qty	Make	Order Number
1	Compressor Running Lamp (Green)	3H4	1	Schneider Electric	XB4BVB3
2	Compressor Operatinal Lamp (Green)	3H6	1	Schneider Electric	XB4BVB3
3	Common Alarm Lamp (Amber)	3H8	1	Schneider Electric	XB4BVB5
4	Common Trip Lamp (Red)	3H10	1	Schneider Electric	XB4BVB4
5	Compressor Start Pushbutton (Green)	2S4	1	Schneider Electric	XB4BA31
6	Compressor Stop Pushbutton (Red)	2S6	1	Schneider Electric	XB4BA42
7	Local/Remote Selector Switch	2S8	1	Schneider Electric	XB4BD21
8	Emergency Stop Pushbutton (Red Mushroom Type with Protective Cover)	4S4	1	Schneider Electric	XB5AS8444

Terminal Strip Definition

300TDD820	Connection Pushbuttons and Lamps	300TDD820	28	Phoenix Contact	UT 4
300TED820	Connection ESD Pushbutton	300TED820	4	Phoenix Contact	UT 4

06	02/05/24	ISSUED FOR REVIEW	RT	SK	KP
05	02/04/24	ISSUED FOR REVIEW	RT	SK	KP
04	20/03/24	ISSUED FOR REVIEW	RT	SK	KP
03	14/02/24	ISSUED FOR REVIEW	RT	SK	KP

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

DRAWING TITLE:  
**Outline Dimensional Drawings for LCP Panel and Junction Box**

DOCUMENT No:  
**17735-07 Panel Layout Diagram**

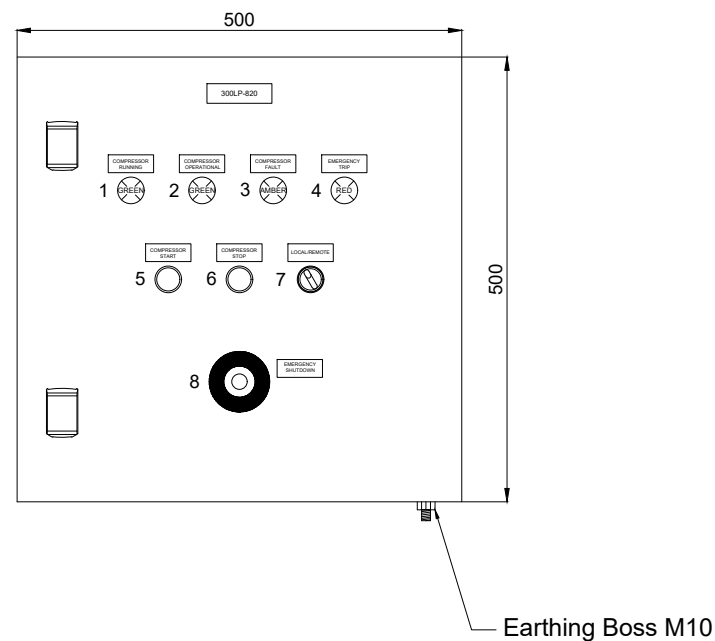
SC.  
SIZE: **A3**

PROJECT No.	VENDOR DOC.	P.O. No.	DEPARTMENT	DOC. TYPE	SERIAL No.	REV.	SHEET No.
N278	VD	6019	IN	DWG	0007	06	1 OF 4

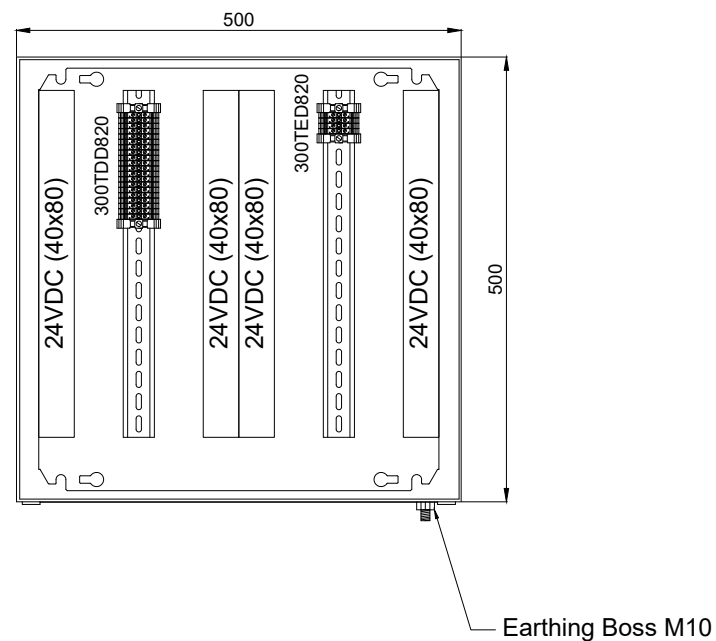
NOTES  
1) Tags correspond to tags on wiring diagram,  
N-278-VD-6019-IN-DIA-0005

# 300LP-820 Local Pushbutton Station

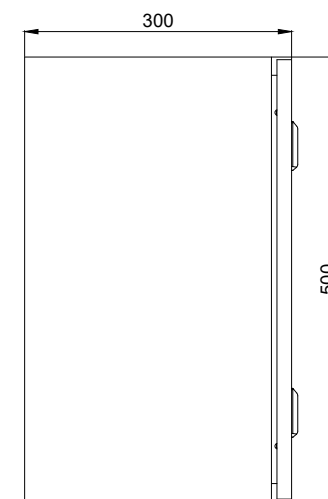
Front Side (Outside View)



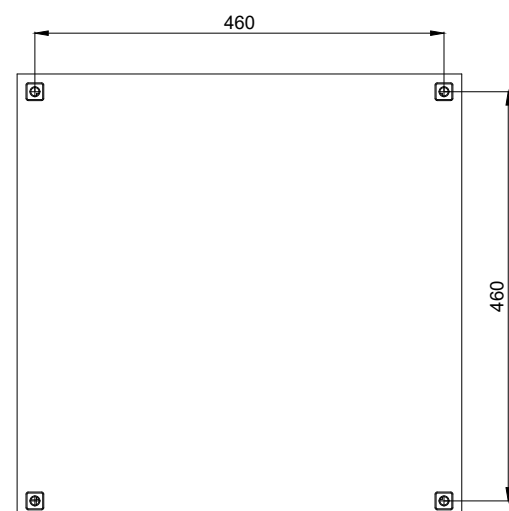
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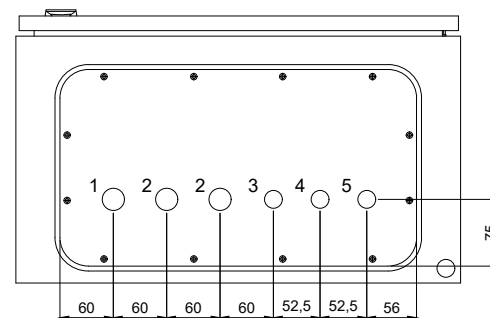
Left Side View



Back View

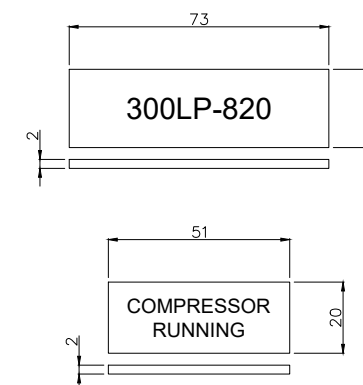


Bottom View



Gland Entry Details

1. M25 - 1x (Incoming Cable from Customer, Pushbuttons)
2. M25 - 1x (Incoming Cable from Customer, Lamps)
3. M25 - 1x (Spare, fitted with Ex blank)
4. M20 - 1x (Incoming Cable from Customer, ESD Pushbutton)
5. M20 - 1x (Spare, fitted with Ex blank)
6. M20 - 1x (Breather)



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PROJECT TITLE:	LIDCO, Pars SEE Zone, Assaluyeh Integrated Methanol and Ammonia Plant 3000 MTPD MeOH/900 MTPD NH3 PROJECT
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DRAWING TITLE:	Outline Dimensional Drawings for LCP Panel and Junction Box
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DOCUMENT No:	17735-07 Panel Layout Diagram	SC:	
		SIZE:	A3

PROJECT No.	VENDOR DOC.	P.O. No.	DEPARTMENT	DOC. TYPE	SERIAL No.	REV.	SHEET No.
N278	VD	6019	IN	DWG	0007	06	2 OF 4

- NOTES
- 1) Panel Dimensions: 500x500x300mm
  - 2) Panel Material: Painted Sheet Steel (RAL 7035)
  - 3) Panel Thickness: 1.5mm
  - 4) Area Classification: Safe
  - 5) Ingress Protection: IP65
  - 6) Cable Raceways will have 20% spare space.
  - 7) Panel Weight: ~25kg
  - 8) Manufacturer: Rittal
  - 9) Model Number: 1350000
  - 10) DIN Rail Type: NS35
  - 11) Emergency Shutdown Pushbutton shall have protective cover to avoid inadvertent shutdown.
  - 12) Cable glands will CMP Cable Glands, SS316 with shrouds, IP66 rated.

Nr.	Description	Tag Number	Qty	Make	Order Number
Terminal Strip Definition					
300TDA820	Connection Analog Transmitters to Client	300TDA820	48	Phoenix Contact	UT 4
300TDA821	Connection Pressure Control Valve to Client	300TDA821	10	Phoenix Contact	UT 4

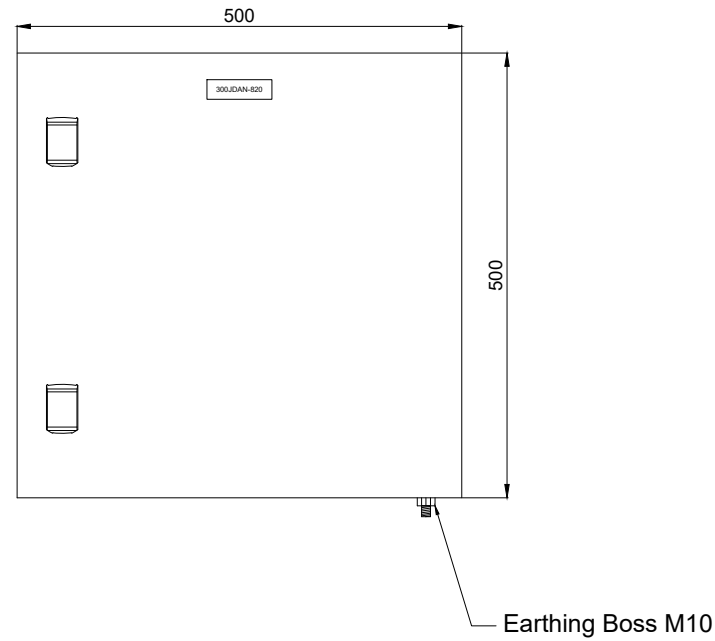
06	02/05/24	ISSUED FOR REVIEW	RT	SK	KP		
05	02/04/24	ISSUED FOR REVIEW	RT	SK	KP		
04	20/03/24	ISSUED FOR REVIEW	RT	SK	KP		
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NOTES

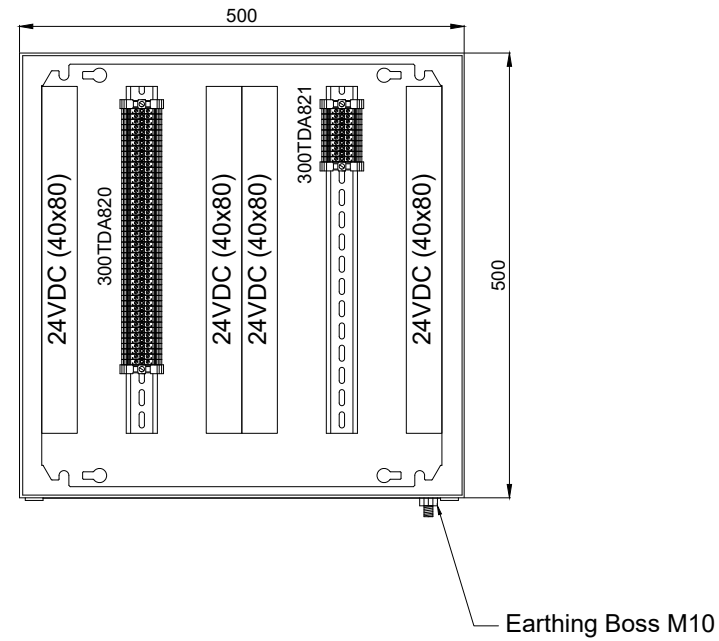
- 1) Tags correspond to tags on wiring diagram,  
N-278-VD-6019-IN-DIA-0005

# 300JDAN-820 Junction Box

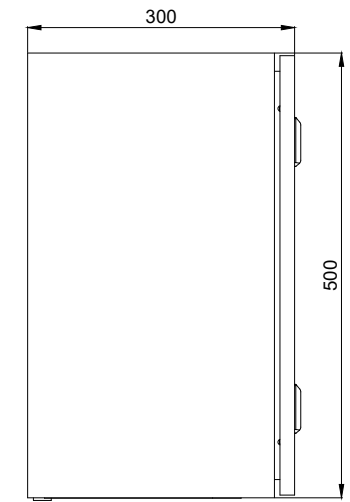
Front Side (Outside View)



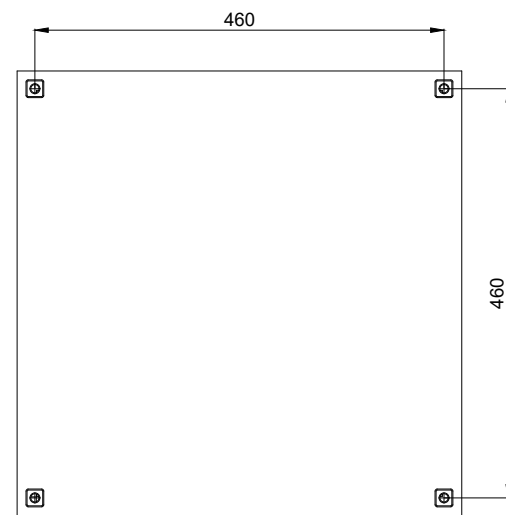
Front Side (Inside View)



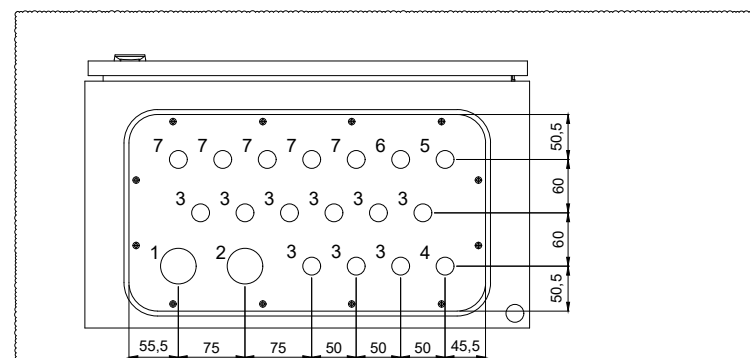
Left Side View



Back View

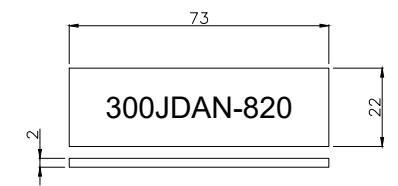


Bottom View



Gland Entry Details

1. M40 - 1x (Incoming Cable from Customer, Transmitters)
2. M40 - 1x (Spare, fitted with Ex blank)
3. M20 - 9x (Transmitters)
4. M20 - 1x (Breather)
5. M20 - 1x (Pressure Control Valve)
6. M20 - 1x (Pressure Control Valve Position Feedback)
7. M20 - 5x (Spares, fitted with Ex blank)



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