



ASPC Project



END CUSTOMER	: Arya Sasol Polymer Company
CONTRACTOR	: DYPNF Co., Ltd.
VENDOR NAME	: Airpack Netherlands BV
EQUIPMENT DESCRIPTION	: Screw Compressor & Roots Blower
PURCHASE ORDER NUMBER	: PO-PC2312-08

Customer Document : 3944-VD-0171-DYP-RE-400-ITP-0120
Number

Airpack Document Number : 23383-08

Document Title : Inspection & Test Plan

Review Code and Status		Contractor Initials/Signature	Date signed
<input type="checkbox"/>	Code 1 REJECTED - Vendor to revise and Resubmit. Work cannot proceed		
<input type="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments		
<input checked="" type="checkbox"/>	Code 3 No Comments - Work may proceed.	H.J, Kim	2025-08-12
<input type="checkbox"/>	Code 4 Information only - Review not required.		

02	Issued for Approval	27-05-2025	SC	KP	JJ
01	Issued for Approval	28-02-2025	SC	KP	JJ
00	Issued for Approval	11-02-2025	SC	KP	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by

INSPECTION AND TEST PLAN (ITP)

Inspection and Test Plan Number 23383-08

Contract Number:	PO-PC2312-08	Inspection and Test Plan For: Screw Compressor & Roots Blower Package	
Customer:	a Sasol Polymer Comp		
Contractor:	DYPNF Co., Ltd.		
Project:	23383-COM		



DRAWINGS FOR APPROVAL

For drawings and documents for approval, we refer to the Supplier Master Document List with Airpack reference number 23383-01.

LIST OF ABBREVIATIONS:

- H = HOLD POINT
Means that a hold shall be applied to the production schedule.
For materials: the buyer must be invited for the inspection / test and the inspection / test must be carried out with the buyer in attendance.
For drawings / documents: Airpack must receive approved drawings / documents, stamped by buyer.
- R = REVIEW POINT
Means that documents shall be available at final inspection for review as part of the data book.
- RA = REVIEW AND APPROVE POINT
Means that documents shall be reviewed and approved
- W = WITNESS POINT
Means that the buyer requires notification of the inspection timing. However, if the inspection is performed as scheduled and if the buyer is not present, Airpack will carry out the test and proceed with production.
- Q = QUALITY INSPECTION
Means that fabricated/purchased materials / parts of the package are checked by Airpack to be in accordance with the specifications.
- TPA = THIRD PARTY AGENCY
- E.P.M. = Engineering and Production Manual (mandatory reference - ISO)
- A = Approval**



Inspection and Test Plan [ITP]

3944-VD-0180-DYP-RE-800-ITP-0143

Compressor

DYJob No.: PC2312

B SKID(S355)										
1	Material Inspection	Doc Review	Project Spec Related Standard	original certificate based on EN 10204 type 3.1	H	R	R	R	R	
2	Welding	Visual Check Certificate Check	AWS D1.1	QC Report	H	R	R	R	R	
3	NDT	Weld Check	NDT Procedure	NDT Report	H	R	R	R	R	
4	Dimensions	Dimensional check	Approved GA	QC Report	H	W	W	W	R	During FAT
5	Painting	Certificate Check Paint Thickness Check	Painting Procedure	Painting report	H	W	W	W	R	During FAT
C Compressor										
1	Material Inspection	Doc Review	Project Spec Related Standard	original certificate based on EN 10204 type 3.1	H	R	RA	RA	R	
2	Component	Visual Check	DataSheet	QC Report	H	R	RA	RA	R	
3	Dimensions	Dimensional check	GA	QC Report	H	R	RA	RA	R	
4	Mechanical Running Test	MRT with job motor	Approved Procedure Project Spec	MRT Report	H	W	H	H	W	During FAT
5	Painting	Certificate Check Paint Thickness Check	Painting Procedure	Painting report	H	R	RA	RA	R	
D E-Motor										
1	Component	Visual Check	DataSheet	QC Report	H	R	R	R	R	
2	Dimensions	Dimensional check	GA	QC Report	H	R	R	R	R	
3	Performance	Certificate check(routin and type test)	IEC 60034-1	Certificate	H	R	R	R	R	
4	Painting	Certificate Check Paint Thickness Check	Painting Procedure	Painting report	H	R	R	R	R	
E Pressure/Temperature Guage										
1	Material Inspection	Doc Review	Project Spec Related Standard	original certificate based on EN 10204 type 3.1	H	R	R	R	R	
2	Calibration	Calibration Check	project Spec	Certificate	H	R	R	R	R	
F Pressure/Temperature transmitter										
1	Material Inspection	Doc Review	Project Spec Related Standard	original certificate based on EN 10204 type 3.1	H	R	R	R	R	
2	Calibration	Calibration Check	project Spec	Certificate	H	R	R	R	R	
3	Atex	Certificate Check	project Spec	Certificate	H	R	R	R	R	
3	SIL	Certificate Check	project Spec	Certificate	H	R	R	R	R	
4	Ingress Protection	Certificate Check	project Spec	Certificate	H	R	R	R	R	
NOTE: R : Document Review S/W : Spot Witness (10) % W : Witness Point H : Hold Point										



Inspection and Test Plan [ITP]

3944-VD-0180-DYP-RE-800-ITP-0143

Compressor

DYJob No.: PC2312

No	Description of Inspection and Test	Inspection Detail	Applicable Spec. / Acceptance Criteria	Record /Report No. [Verifying Document]	Inspection By					Remark
					MANUFACTURE	DYPNF	CUSTOMER	TPI	OWNER	
J Pressure Safty Valve										
1	Material Inspection	Doc Review	Project Spec Related Standard	original certificate based on EN 10204 type 3.1	H	R	RA	RA	R	
2	Calibration	Calibration Check	project Spec	Certificate	H	R	RA	RA	R	
3	Leakage Test	Certificate Check	Leak Test Procedure	Leak Test Report	H	R	RA	RA	R	
4	Painting	Certificate Check Paint Thickness Check	Painting Procedure	Painting report	H	R	RA	RA	R	
K Junction Box										
1	Dimensions	Dimensional check	GA	QC Report	H	R	W	W	R	
2	Atex	Certificate Check	project Spec	Certificate	H	R	R	R	R	
3	Ingress Protection	Certificate Check	project Spec	Certificate	H	R	R	R	R	
L Test Instrument										
1	Calibration	Calibration Check	project Spec	Certificate	H	R	W	W	R	During FAT
M Mechanical Check										
1	Quality	Visual Check	GA	QC Report	H	R	W	W	R	During FAT
2	P&ID Review	Visual Check	P&ID	QC Report	H	R	W	W	R	During FAT
3	Dimensions	Visual Check Measurement Check	GA	QC Report	H	R	W	W	R	During FAT
4	Painting	Visual Check	Painting Procedure	Painting report	H	R	W	W	R	During FAT
5	Junction Boxes	Visual Check	Wiring Diagram Panel Layout	QC Report	H	R	W	W	R	During FAT
6	Instrument	Visual Check	Wiring Diagram	QC Report	H	R	W	W	R	During FAT
N Performance test										
1	Performance	Performance	P&ID FAT Procedure	Performance Test Report	H	W	H	H	W	
O Packing and Marking										
1	Quantity	Quantity check	Packing and Preservation Procedure	Packing List	H	R	W	W	R	
2	Packing	Visual Check	Packing and Preservation Procedure	Packing List	H	R	W	W	R	
3	Marking	Visual Check	DWG	QC Report	H	R	W	W	R	
P Inspection Release Note										
1	IRN	IRN	Packing List	IRN		H	H	H	H	
Q Final Vendor Data Book										
1	FVDB	Content Check	FVDB Index	FVDB		H	RA	RA	RA	
NOTE: R : Document Review S/W : Spot Witness (10) % W : Witness Point H : Hold Point										