



# ASPC Project





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

Customer Document : 3944-VD-0171-DYP-RE-400-INX-0076  
Number

Airpack Document Number : 23383-35

Document Title : Instrument Index

1. This document will be finalized after the client's approval.  
2. Format is not allowed, it should be written in the format we provided.

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

00	Issued for Approval	02-06-2025	OG	SC	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by

All instruments such as PI, LG, TCV should be added.

TAG NUMBER	SERVICE DESCRIPTION	ENGINEERING UNIT	CALIBRATED RANGE	LINE NO. or VESSEL NO.	INSTRUMENT TYPE	LOCATION	P&ID NUMBER	I/O TYPE	SIGNAL TYPE	SET POINT	TYPE B&B	FLUID (STATE)
44PT-4001003	Nitrogen compressor inlet pressure	bar(g)	-1..1	44C-400			23383-03	AI	4~20mA	SALL	2-way	Nitrogen (Gas)
44PT-4001054	Nitrogen compressor oil pressure	bar(g)	0...5	44C-400			23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-4001011	Nitrogen compressor outlet pressure	bar(g)	0...3	44C-400			23383-03	AI	4~20mA	SAHH	2-way	Nitrogen (Gas)
44TT-4001056	Oil system temperature	(°C)	-	44C-400			23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-4001057	Outlet temperature	(°C)	0...300	44C-400			23383-03	AI	4~20mA	SAHH	-	Nitrogen (Gas)
44TT-4001001	Enclosure temperature	(°C)	0...100	44C-400			23383-03	AI	4~20mA	SAH	-	Air(Gas)
44TE-4001056	Oil system temperature	(°C)	-	44C-40001A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-4001057	Outlet temperature	(°C)	0...300	44C-40001A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Nitrogen (Gas)
44TE-4001001	Enclosure temperature	(°C)	0...100	44C-40001A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-4002003	Nitrogen compressor inlet pressure	bar(g)	-1..1	44C-40001B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Nitrogen (Gas)
44PT-4002005	Nitrogen compressor oil pressure	bar(g)	0...5	44C-40001B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-4002001	Nitrogen compressor outlet pressure	bar(g)	0...3	44C-40001B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Nitrogen (Gas)
44TT-4002056	Oil system temperature	(°C)	-	44C-40001B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-4002057	Outlet temperature	(°C)	0...300	44C-40001B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TT-4002001	Enclosure temperature	(°C)	0...100	44C-40001B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAH	-	Air(Gas)
44TE-4002056	Oil system temperature	(°C)	-	44C-40001B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-4002057	Outlet temperature	(°C)	0...300	44C-40001B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44TE-4002001	Enclosure temperature	(°C)	0...100	44C-40001B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8004001	Air compressor inlet pressure	bar(g)	-1...1	44C-80001A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8004041	Air compressor oil pressure	bar(g)	0...6	44C-80001A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8004002	Air compressor outlet pressure	bar(g)	0...3	44C-80001A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8004001	Inlet filter differential pressure	bar(g)	-1...1	44C-80001A	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8001041	Oil system temperature	(°C)	-	44C-80001A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8004001	Outlet temperature	(°C)	0...250	44C-80001A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8004041	Oil system temperature	(°C)	-	44C-80001A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8004001	Outlet temperature	(°C)	0...250	44C-80001A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8004003	Air compressor inlet pressure	bar(g)	-1..1	44C-80001B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8004042	Air compressor oil pressure	bar(g)	0...6	44C-80001B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8004004	Air compressor outlet pressure	bar(g)	0...3	44C-80001B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8004002	Inlet filter differential pressure	bar(g)	-1..1	44C-80001B	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8001042	Oil system temperature	(°C)	-	44C-80001B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8004003	Outlet temperature	(°C)	0...250	44C-80001B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8004042	Oil system temperature	(°C)	-	44C-80001B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8004003	Outlet temperature	(°C)	0...250	44C-80001B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8004005	Roots blower inlet pressure	bar(g)	-1..1	44C-80002A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8004006	Roots blower outlet pressure	bar(g)	0...2	44C-80002A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8004003	Inlet filter differential pressure	bar(g)	-1...1	44C-80002A	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8004005	Outlet temperature	(°C)	0...250	44C-80002A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8004005	Outlet temperature	(°C)	0...250	44C-80002A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8004009	Roots blower inlet pressure	bar(g)	-1..1	44C-80002B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8004010	Roots blower outlet pressure	bar(g)	0...2	44C-80002B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8004004	Inlet filter differential pressure	bar(g)	-1...1	44C-80002B	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8004007	Outlet temperature	(°C)	0...250	44C-80002B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8004007	Outlet temperature	(°C)	0...250	44C-80002B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44TE-8004007	Outlet temperature	(°C)	0...250	44C-80002B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8004013	Air compressor inlet pressure	bar(g)	-1...1	44C-80004A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8004043	Air compressor oil pressure	bar(g)	0...5	44C-80004A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8004014	Air compressor outlet pressure	bar(g)	0...3	44C-80004A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8004005	Inlet filter differential pressure	bar(g)	-1...1	44C-80004A	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8004043	Oil system temperature	(°C)	-	44C-80004A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8004009	Outlet temperature	(°C)	0...300	44C-80004A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8004043	Oil system temperature	(°C)	-	44C-80004A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8004009	Outlet temperature	(°C)	0...300	44C-80004A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8004016	Air compressor inlet pressure	bar(g)	-1...1	44C-80004B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8004044	Air compressor oil pressure	bar(g)	0...5	44C-80004B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8004017	Air compressor outlet pressure	bar(g)	0...3	44C-80004B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8004006	Inlet filter differential pressure	bar(g)	-1...1	44C-80004B	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8004044	Oil system temperature	(°C)	-	44C-80004B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8004011	Outlet temperature	(°C)	0...300	44C-80004B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8004044	Oil system temperature	(°C)	-	44C-80004B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8004011	Outlet temperature	(°C)	0...300	44C-80004B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8005001	Air compressor inlet pressure	bar(g)	-1...1	44C-80005A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8005041	Air compressor oil pressure	bar(g)	0...6	44C-80005A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8005002	Air compressor outlet pressure	bar(g)	0...3	44C-80005A	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8005001	Inlet filter differential pressure	bar(g)	-1...1	44C-80005A	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8005041	Oil system temperature	(°C)	-	44C-80005A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8005001	Outlet temperature	(°C)	0...250	44C-80005A	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)

General Comment

Please specify all the range.

General Comment

Please specify the value of setpoint.

8004041

8004042

Duplicate marking

44TE-8005041	Oil system temperature	(°C)	-	44C-80005A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8005001	Outlet temperature	(°C)	0...250	44C-80005A	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8005004	Air compressor inlet pressure	bar(g)	-1...1	44C-80005B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8005042	Air compressor oil pressure	bar(g)	0...6	44C-80005B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8005005	Air compressor outlet pressure	bar(g)	0...3	44C-80005B	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8005002	Inlet filter differential pressure	bar(g)	-1...1	44C-80005B	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8005042	Oil system temperature	(°C)	-	44C-80005B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8005003	Outlet temperature	(°C)	0...250	44C-80005B	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8005042	Oil system temperature	(°C)	-	44C-80005B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8005003	Outlet temperature	(°C)	0...250	44C-80005B	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)
44PT-8005006	Air compressor inlet pressure	bar(g)	-1...1	44C-80005C	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Air (Gas)
44PT-8005043	Air compressor oil pressure	bar(g)	0...6	44C-80005C	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SALL	2-way	Oil (liquid)
44PT-8005007	Air compressor outlet pressure	bar(g)	0...3	44C-80005C	Pressure transmitter	FIELD	23383-03	AI	4~20mA	SAHH	2-way	Air (Gas)
44PDT-8005003	Inlet filter differential pressure	bar(g)	-1...1	44C-80005C	Pressure differential transmitter	FIELD	23383-03	AI	4~20mA	AH	5-way manifold	Air (gas)
44TT-8005043	Oil system temperature	(°C)	-	44C-80005C	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Oil(Liquid)
44TT-8005004	Outlet temperature	(°C)	0...250	44C-80005C	Temperature Transmitter	FIELD	23383-03	AI	4~20mA	SAHH	-	Air(Gas)
44TE-8005043	Oil system temperature	(°C)	-	44C-80005C	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Oil(Liquid)
44TE-8005004	Outlet temperature	(°C)	0...250	44C-80005C	Thermocouple for Temperature Transmitter	FIELD	23383-03	-	-	-	-	Air(Gas)