



# 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 Package
<b>PURCHASE ORDER NUMBER</b>	: PO-PC2312-08

Customer Document : 3944-VD-0171-DYP-RE-400-DSH-0077  
Number

Airpack Document Number : 23383-12A

Document Title : Instrument data sheet

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

Rev. No.	Description	Date	Prepared by	Checked by	Approved by
01	Issued for Approval	20-06-2025	LK	SC	JJ
00	Issued for Approval	23-04-2025	LK	SC	JJ

	<b>INSTRUMENT DATA SHEET</b>	
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Project Name :  
**300 KT POLYETHYLENE PLANT  
ARYA SASOL POLYMER COMPANY (ASPC)**

Site Location :

Document Title :  
**INSTRUMENT DATA SHEET**

Document No :  
**23383-12A**

01	20-6-2025	For Approval	LK	SC	
00	23-4-2025	For Approval	LK	SC	
Rev	Date	Description	Prepared	Reviewed	Approved

GENERAL	1	Tag Number		Refer to next page				
	2	Service		Refer to next page				
	3	P&ID No.		Refer to next page				
	4	Area Classification		Zone 2, Ex'ia, IIC, T3				
	5	Line No. or Vessel No.		Refer to next page				
	6	Pipe Class		Refer to next page				
	7	NACE Requirement		N/A				
PROCESS CONDITIONS	8	Fluid (State)		Refer to next page				
	9	Pressure Max (barg)	Oper.	Refer to next page	Refer to next page			
	10	Temperature Max. (°C)	Oper.	Refer to next page	Refer to next page			
	11	Oper. Spec. Gravity	Oper. Viscosity (cP)	Air: 1; N <sub>2</sub> : 1,038		Air: 0,025 cP; N <sub>2</sub> : 0,024 cP		
	12	Design Pressure (barg)	Design Temperature (°C)	4,2 barg		215 °C		
TRANSMITTER	13	Application		Pressure transmitter				
	14	Type		Diaphragm				
	15	Enclosure Class		IP65				
	16	Housing	Paint	Aluminium (epoxy coated)	Manufacturer standard			
	17	Power Supply	Load Resist	24VDC 2-wire loop powered	VTA			
	18	Process Connection	Electrical Connection	1/2" NPT-M	ISO M20x1,5			
	19	Accuracy	Response Time	± 0.1% of span	VTA			
	20	Output Signal		4-20 mA, HART				
	21	Element Material		SS316L				
	22	Wetted O - Ring Material		VTA				
	23	Fill Fluid		VTA				
	24	Instrument Range		VTA				
	25	Calibrated Range		Refer to next page				
26	Elevation	Suppression	N/A	N/A				
27	Allow.Oper. Pressure	Allow.Oper.Temp.	VTA	VTA				
28								
DIAPHRAGM SEAL	29	Process Connection & Rating (H / L)		N/A				
	30	Diaphragm Material		N/A				
	31	Capillary Type / Material / Length (M)		N/A				
	32	Fill Fluid		N/A				
	33	Housing Material / Flange Material		N/A				
	34	Allowable Over Temperature		N/A				
	35	Flushing Connection	Flushing Ring	N/A	N/A			
MANIFOLD	36	Type	Body Material	2-way block&bleed	SS316			
	37	Trim	Packing	VTA	PTFE			
	38	Max. Rating Pressure	Temperature	4,2 barg	215 °C			
	39	Held Terminal		N/A				
	40	Process Conn.	Size	Type	Rating	Tra	NPT-F	800#
	41	Manufacturer		According to approved vendor list				
	42	Model		VTA				
OPTIONS	43	Integral Meter	Scale	Yes, LCD	bar(g)			
	44	Lightning Protection		N/A				
	45	Pressure Testing		N/A				
	46	Mounting Brackets		Yes, SS316				
	47	Burnout		N/A				
PURCHASE	48	Manufacturer		According to approved vendor list				
	49	Model		VTA				
	50							

Note. :

- Calibration, 3.1 material test, ATEX, SIL2 and IP certification to be included with transmitters

				PRESSURE TRANSMITTER			
01	LK	20-6-2025	For Approval				
00	LK	23-4-2025	For Approval			SHEET 2 OF 11	
No.	By	Date	Revision	Code:	Doc. No.	23383-12	Rev.: 01

NO	TAG NO.	Q'TY	Line No. or Vessel No.	SET RANGE (Calibrated range) (barg)	OPERATING		FLUID (STATE)	SERVICE	PIPING CLASSIFICATION	P&ID NO.	NOTES
					NOR/MAX (barg)	NOR/MAX (°C)					
1	44PT-4001003	1	44C-40001A	-1..1	0	48	Nitrogen (Gas)	Nitrogen compressor inlet pressure	Mfr. Standard	23383-03	
2	44PT-4001054	1	44C-40001A	0...5	3,5	TBD	Oil (liquid)	Nitrogen compressor oil pressure	Mfr. Standard	23383-03	
3	44PT-4001011	1	44C-40001A	0...3	2	189	Nitrogen (Gas)	Nitrogen compressor outlet pressure	Mfr. Standard	23383-03	
4	44PT-4002003	1	44C-40001B	-1...1	0	48	Nitrogen (Gas)	Nitrogen compressor inlet pressure	Mfr. Standard	23383-03	
5	44PT-4002005	1	44C-40001B	0...5	3,5	TBD	Oil (liquid)	Nitrogen compressor oil pressure	Mfr. Standard	23383-03	
6	44PT-4002001	1	44C-40001B	0...3	2	189	Nitrogen (Gas)	Nitrogen compressor outlet pressure	Mfr. Standard	23383-03	
7	44PT-8004001	1	44C-80001A	-1...1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
8	44PT-8004041	1	44C-80001A	0...6	4,2	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
9	44PT-8004002	1	44C-80001A	0...3	1,5	189	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	
10	44PT-8004003	1	44C-80001B	-1..1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
11	44PT-8004042	1	44C-80001B	0...6	4,2	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
12	44PT-8004004	1	44C-80001B	0...3	1,5	167	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	
13	44PT-8004005	1	44C-80002A	-1...1	0	48	Air (Gas)	Roots blower inlet pressure	Mfr. Standard	23383-03	
14	44PT-8004006	1	44C-80002A	0...2	1	154	Air (Gas)	Roots blower outlet pressure	Mfr. Standard	23383-03	
15	44PT-8004009	1	44C-80002B	-1...1	0	48	Air (Gas)	Roots blower inlet pressure	Mfr. Standard	23383-03	
16	44PT-8004010	1	44C-80002B	0...2	1	154	Air (Gas)	Roots blower outlet pressure	Mfr. Standard	23383-03	
17	44PT-8004013	1	44C-80004A	-1...1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
18	44PT-8004043	1	44C-80004A	0...5	3,5	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
19	44PT-8004014	1	44C-80004A	0...3	2,2	205	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	
20	44PT-8004016	1	44C-80004B	-1...1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
21	44PT-8004044	1	44C-80004B	0...5	3,5	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
22	44PT-8004017	1	44C-80004B	0...3	2,2	205	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	
23	44PT-8005001	1	44C-80005A	-1...1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
24	44PT-8005041	1	44C-80005A	0...6	4,2	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
25	44PT-8005002	1	44C-80005A	0...3	1,5	164	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	
26	44PT-8005004	1	44C-80005B	-1...1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
27	44PT-8005042	1	44C-80005B	0...6	4,2	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
28	44PT-8005005	1	44C-80005B	0...3	1,5	164	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	
29	44PT-8005006	1	44C-80005C	-1...1	0	48	Air (Gas)	Air compressor inlet pressure	Mfr. Standard	23383-03	
30	44PT-8005043	1	44C-80005C	0...6	4,2	TBD	Oil (liquid)	Air compressor oil pressure	Mfr. Standard	23383-03	
31	44PT-8005007	1	44C-80005C	0...3	1,5	164	Air (Gas)	Air compressor outlet pressure	Mfr. Standard	23383-03	

Note. :

				PRESSURE TRANSMITTER							
01	LK	20-6-2025	For Approval								
00	LK	23-4-2025	For Approval								
								SHEET 3 OF 11			
No.	By	Date	Revision	Code:	Doc. No.: 23383-12				Rev.: 01		

GENERAL	1	Tag Number		Refer to next page			
	2	Service		Refer to next page			
	3	P&ID No.		Refer to next page			
	4	Area Classification		Zone 2, Ex'ia, IIC, T3			
	5	Line No. or Vessel No.		Refer to next page			
	6	Pipe Class		Refer to next page			
	7	NACE Requirement		N/A			
PROCESS CONDITIONS	8	Fluid (State)		Refer to next page			
	9	Pressure Max (barg)	Oper.	Refer to next page	Refer to next page		
	10	Temperature Max. (°C)	Oper.	Refer to next page	Refer to next page		
	11	Oper. Spec. Gravity	Oper. Viscosity (cP)	Air: 1; N <sub>2</sub> : 1,038		Air: 0,025 cP; N <sub>2</sub> : 0,024 cP	
	12	Design Pressure (barg)	Design Temp. (°C)	4,2 barg		215 °C	
TRANSMITTER	13	Application		Pressure differential transmitter			
	14	Type		Diaphragm			
	15	Enclosure Class		IP65			
	16	Housing	Paint	Aluminium (epoxy coated)	Manufacturer standard		
	17	Power Supply	Load Resist	24VDC 2-wire loop powered	VTA		
	18	Process Connection	Electrical Connection	1/2" NPT-M	ISO M20x1,5		
	19	Accuracy	Response Time	± 0.1% of span	VTA		
	20	Output Signal		4-20 mA, HART			
	21	Element Material		SS316L			
	22	Wetted O - Ring Material		VTA			
	23	Fill Fluid		VTA			
	24	Instrument Range		VTA			
	25	Calibrated Range		Refer to next page			
	26	Elevation	Suppression	N/A	N/A		
27	Allow.Oper. Pressure	Allow.Oper.Temp.	VTA	VTA			
28							
DIAPHRAGM SEAL	29	Process Connection & Rating (H / L)		N/A			
	30	Diaphragm Material		N/A			
	31	Capillary Type / Material / Length		N/A			
	32	Fill Fluid		N/A			
	33	Housing Material / Flange Material		N/A			
	34	Allowable Over Temperature		N/A			
MANIFOLD	35	Flushing Connection	Flushing Ring	N/A	N/A		
	36	Type	Body Material	5-way manifold	SS316		
	37	Trim	Packing	VTA	PTFE		
	38	Max. Rating	Pressure	Temperature	4,2 barg	215 °C	
	39	Held Terminal		N/A			
	40	Process Conn.	Size	Type	Rating	1/2" NPT-F	800#
	41	Manufacturer		According to approved vendor list			
42	Model		VTA				
OPTIONS	43	Integral Meter	Scale	Yes, LCD	bar(g)		
	44	Lightning Protection		N/A			
	45	Pressure Testing		N/A			
	46	Mounting Brackets		Yes, SS316			
	47	Burnout		N/A			
PURCHASE	48	Manufacturer		According to approved vendor list			
	49	Model		VTA			
	50						

Note. :

- Calibration, 3.1 material test, ATEX, SIL2 and IP certification to be included with transmitters

				D/P TYPE PRESSURE TRANSMITTER		
01	LK	20-6-2025	For Approval			
00	LK	23-4-2025	For Approval			SHEET 4 OF 11
No.	By	Date	Revision	Code:	Doc. No.	23383-12
						Rev.: 01



GENERAL	1	Tag Number		Refer to next sheet	
	2	Service		Refer to next sheet	
	3	P&ID No.		Refer to next sheet	
	4	Area Classification		Zone 2, Ex'ia, IIC, T3	
	5	Line No. or Vessel No.		Refer to next sheet	
	6	Pipe Class		Refer to next sheet	
	7	NACE Requirement		N/A	
	8				
PROCESS CONDITIONS	9	Fluid (State)		Refer to next sheet	
	10	Pressure Max (MPaG)	Oper.	Refer to next sheet	Refer to next sheet
	11	Temperature Max. (°C)	Oper.	Refer to next sheet	Refer to next sheet
	12	Oper. Spec.Gravity	Oper. Viscosity (cP)	Air: 1; N <sub>2</sub> : 1,038	Air: 0,025 cP; N <sub>2</sub> : 0,024 cP
	13	Design Pressure (barg)		4,2 barg	
	14	Design Temperature (°C)		215 °C	
TRANSMITTER	15	Type		Field mounted transmitter	
	16	RTD Types Supported		N/A	
	17	Thermocouple Supported Types		Type 'K'	
	18	MV Supported Type		N/A	
	19	Cold Junction Compensation		Internal compensation	
	20	Enclosure Class		IP65	
	21	Housing	Paint	Aluminium (epoxy coated)	Manufacturer standard
	22	Power Supply	Load Resist	24VDC, 2-wire loop powered	VTA
	23	Process Connection	Electrical Connection	N/A	ISO M20x1,5
	24	Accuracy	Response Time	± 0.2% of span	
	25	Output Signal		4-20mA, HART	
	26	Range Limits		VTA	
	27	Calibrated Range		Refer to next sheet	
	28	Display		Digital, LCD	
29					
30					
COMMUNICATION AND SOFTWARE	31	Communication Type		Smart, HART	
	32	Baud - Rate		N/A	
	33	Communication with:		N/A	
	34	Configuration from:		N/A	
	35	Internal Diagnostics		Yes	
	36	Held Terminal		N/A	
	37				
OPTIONS	38	Integral Meter	Scale	Yes	°C
	39	Lightning Protection		N/A	
	40	Custom Configuration		N/A	
	41	Mounting Brackets		Yes	
	42	Burnout		Overrange	
PURCHASE	43	Manufacturer		According to approved vendor list	
	44	Model		VTA	
	45				
	46				
	47				

Note. :

- Calibration, 3.1 material test, ATEX, SIL2 and IP certification to be included with transmitters

				TEMPERATURE TRANSMITTER		
01	LK	20-6-2025	For Approval			
00	LK	23-4-2025	For Approval			SHEET 6 OF 11
No.	By	Date	Revision	Code:	Doc. No.: 23383-12	Rev.: 01

NO.	TAG NO.	Q'TY	OPERATING				CALIBRATION RANGE	FLUID (STATE)	SERVICE	LINE NO. /VESSEL NO.	PIPING CLASS.	P&ID NO.	NOTES
			Oper.	MAX	Oper.	MAX							
			(°C)		barg								
1	44TT-4001056	1	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-40001A	Mfr. std	23383-03	
2	44TT-4001057	1	189		1,903		0...300	Nitrogen (Gas)	Outlet temperature	44C-40001A	Mfr. std	23383-03	
3	44TT-4001001	1	48		0		0...100	Air (Gas)	Enclosure temperature	44C-40001A	Mfr. std	23383-03	
4	44TT-4002056	1	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-40001B	Mfr. std	23383-03	
5	44TT-4002057	1	189		1,903	3,5	0...300	Air (Gas)	Outlet temperature	44C-40001B	Mfr. std	23383-03	
6	44TT-4002001	1	TBD		0		0...100	Air (Gas)	Enclosure temperature	44C-40001B	Mfr. std	23383-03	
7	44TT-8004041	1	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80001A	Mfr. std	23383-03	
8	44TT-8004001	1	167		1,473	4,2	0...250	Air (Gas)	Outlet temperature	44C-80001A	Mfr. std	23383-03	
9	44TT-8004042	1	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80001B	Mfr. std	23383-03	
10	44TT-8004003	1	167		1,473	4,2	0...250	Air (Gas)	Outlet temperature	44C-80001B	Mfr. std	23383-03	
11	44TT-8004005	1	154		0,983	1,067	0...250	Air (Gas)	Outlet temperature	44C-80002A	Mfr. std	23383-03	
12	44TT-8004007	1	154		0,983	1,067	0...250	Air (Gas)	Outlet temperature	44C-80002B	Mfr. std	23383-03	
13	44TT-8004043	1	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-80004A	Mfr. std	23383-03	
14	44TT-8004009	1	205		2,213	3,5	0...300	Air (Gas)	Outlet temperature	44C-80004A	Mfr. std	23383-03	
15	44TT-8004044	1	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-80004B	Mfr. std	23383-03	
16	44TT-8004011	1	205		2,213	3,5	0...300	Air (Gas)	Outlet temperature	44C-80004B	Mfr. std	23383-03	
17	44TT-8005041	1	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80005A	Mfr. std	23383-03	
18	44TT-8005001	1	164		1,423	4,2	0...250	Air (Gas)	Outlet temperature	44C-80005A	Mfr. std	23383-03	
19	44TT-8005042	1	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80005B	Mfr. std	23383-03	
20	44TT-8005003	1	164		1,423	4,2	0...250	Air (Gas)	Outlet temperature	44C-80005B	Mfr. std	23383-03	
21	44TT-8005043	1	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80005C	Mfr. std	23383-03	
22	44TT-8005004	1	164		1,423	4,2	0...250	Air (Gas)	Outlet temperature	44C-80005C	Mfr. std	23383-03	

Note. :

				TEMPERATURE TRANSMITTER			
01	LK	20-6-2025	For Approval				
00	LK	23-4-2025	For Approval		SHEET 7 OF 11		
No.	By	Date	Revision		Doc. No.:	23383-12	Rev.: 01

GENERAL	1	Tag Number		Refer to next sheet		
	2	Service		Refer to next sheet		
	3	P&ID No.		Refer to next sheet		
	4	Area Classification		Zone 2, Ex'ia, IIC, T3		
	5	Line No. or Vessel No.		Refer to next sheet		
	6	Pipe Class		Refer to next sheet		
PROCESS CONDITIONS	7	Fluid (State)		Refer to next sheet		
	8	Oper. Temperature (°C)	Max. Temperature	Refer to next sheet	Refer to next sheet	
	9	Oper. Pressure (kg/cm2)	Max. Pressure	Refer to next sheet	Refer to next sheet	
	10	Vibrations		N/A		
	11	Design Pressure (barg)		4,2 barg		
12	Design Temperature (°C)		215 °C			
ELEMENT	13	Type		Sensor with lead wire, transition and relief spring		
	14	Type of thermocouple		Type 'K'		
	15	T/C	Accuracy class	DIN - IEC-EN 60584 Class 1		
	16					
	17	Material	Resistance	N/A	N/A	
	18	RTD	Wire Material/Gage	N/A		
	19	Accuracy		N/A		
	20	Single/Double or Other		Single		
	21	Sheath Material / O.D		SS316	6 mm	
	22	Sheath Length (Element Length)		To fit in TW		
	23	Type of cable		Armoured		
	24	Cable length		10 m		
	25	Process connection		G1/2"		
	HEAD	26	Type		N/A	
		27	Material		N/A	
28		Terminal Block		N/A		
29		Electrical connection		N/A		
30		Extension Type		N/A		
31		Nipple & Union Size		N/A		
32		Nipple & Union Length		N/A		
33		Spring Loaded		N/A		
34		Enclosure Class		N/A		
35						
WELL	36	Process Connection		N/A		
	37	Material (Well/Flange)		N/A		
	38	Sheating	Coating	N/A	N/A	
	39	Construction Type		N/A		
	40	Internal Connection (Sensor connection)		N/A		
	41	Length Below Thread / Flanged (U Length)		N/A		
	42	T Length (Lagging Extension)		N/A		
	43	Bore Diameter		N/A		
	44	Tip Thickness		N/A		
	45	Max. Inertion Diameter		N/A		
	46	Min. Inertion Diameter		N/A		
	47	Tapered Length		N/A		
	48	Plug & Chain		N/A		
	49	Overall Length		N/A		
	50	Treatments	Finish	N/A	N/A	
51	Stamping					
52	Strength Calculation		N/A			
53	Vent hole		N/A			
54						
OPTIONS	55	Back-up Flange		N/A		
	56	Weldolet Fitting		N/A		
	57					
PURCHASE	58	Manufacturer		According to approved vendor list		
	59	Model		VTA		
	60					
	61					
	62					

Notes:

- Calibration, 3.1 material test, ATEX and IP certification to be included.

				THERMOCOUPLE FOR TEMPERATURE TRANSMITTER			
01	LK	20-6-2025	For Approval				
00	LK	23-4-2025	For Approval		SHEET 8 OF 11		
No.	By	Date	Revision	Code:	Doc. No.:	23383-12	Rev.: 01

NO	TAG NO.	Q'TY	RANGE	TEMP.		PRESS.		U-length (mm)	FLUID (STATE)	SERVICE	LINE NO. / VESSEL NO.	PIPING CLASSIFICATION	P&ID NO.	NOTES
				Oper	MAX	Oper	MAX							
			(°C)	(°C)	barg									
1	44TE-4001056	1	TBD	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-40001A	Mfr. Std	23383-03	
2	44TE-4001057	1	0...300	189		1,903		TBD	Nitrogen (Gas)	Outlet temperature	44C-40001A	Mfr. Std	23383-03	
3	44TE-4001001	1	0...100	48		0		TBD	Air (Gas)	Enclosure temperature	44C-40001A	Mfr. Std	23383-03	
4	44TE-4002056	1	TBD	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-40001B	Mfr. Std	23383-03	
5	44TE-4002057	1	0...300	189		1,903	3,5	TBD	Air (Gas)	Outlet temperature	44C-40001B	Mfr. Std	23383-03	
6	44TE-4002001	1	0...100	TBD		0		TBD	Air (Gas)	Enclosure temperature	44C-40001B	Mfr. Std	23383-03	
7	44TE-8004041	1	TBD	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80001A	Mfr. Std	23383-03	
8	44TE-8004001	1	0...250	167		1,473	4,2	TBD	Air (Gas)	Outlet temperature	44C-80001A	Mfr. Std	23383-03	
9	44TE-8004042	1	TBD	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80001B	Mfr. Std	23383-03	
10	44TE-8004003	1	0...250	167		1,473	4,2	TBD	Air (Gas)	Outlet temperature	44C-80001B	Mfr. Std	23383-03	
11	44TE-8004005	1	0...250	154		0,983	1,067	TBD	Air (Gas)	Outlet temperature	44C-80002A	Mfr. Std	23383-03	
12	44TE-8004007	1	0...250	154		0,983	1,067	TBD	Air (Gas)	Outlet temperature	44C-80002B	Mfr. Std	23383-03	
13	44TE-8004043	1	TBD	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-80004A	Mfr. Std	23383-03	
14	44TE-8004009	1	0...300	205		2,213	3,5	TBD	Air (Gas)	Outlet temperature	44C-80004A	Mfr. Std	23383-03	
15	44TE-8004044	1	TBD	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-80004B	Mfr. Std	23383-03	
16	44TE-8004011	1	0...300	205		2,213	3,5	TBD	Air (Gas)	Outlet temperature	44C-80004B	Mfr. Std	23383-03	
17	44TE-8005041	1	TBD	TBD			3,5	TBD	Oil (Liquid)	Oil system temperature	44C-80005A	Mfr. Std	23383-03	
18	44TE-8005001	1	0...250	164		1,423	4,2	TBD	Air (Gas)	Outlet temperature	44C-80005A	Mfr. Std	23383-03	
19	44TE-8005042	1	TBD	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80005B	Mfr. Std	23383-03	
20	44TE-8005003	1	0...250	164		1,423	4,2	TBD	Air (Gas)	Outlet temperature	44C-80005B	Mfr. Std	23383-03	
21	44TE-8005043	1	TBD	TBD			4,2	TBD	Oil (Liquid)	Oil system temperature	44C-80005C	Mfr. Std	23383-03	
22	44TE-8005004	1	0...250	164		1,423	4,2	TBD	Air (Gas)	Outlet temperature	44C-80005C	Mfr. Std	23383-03	

NOTES:

				THERMOCOUPLE FOR TEMPERATURE TRANSMITTER								
01	LK	20-6-2025	For Approval						SHEET 9 OF 11			
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GENERAL	1 Tag Number		Refer to next page		
	2 Service		Refer to next page		
	3 P&ID No.		Refer to next page		
	4 Line No. or Vessel No.		Refer to next page		
	5 Pipe Class		Refer to next page		
PROCESS CONDITIONS	6 Fluid (State)		Refer to next page		
	7 Max. Pressure (BarG)	Max. Temperature (°C)	Refer to next page		Refer to next page
	8 Oper. Pressure (BarG)	Oper. Temperature (°C)	Refer to next page		Refer to next page
	9 Pulsation	Vibration	N/A		N/A
	10 Design Pressure (BarG)	Refer to next page			
GAUGE	11 Design Temperature (°C)		Refer to next page		
	12 Type		Bourdon tube		
	13 Range		Refer to next page		
	14 Figure Interval		VTA		
	15 Minor Graduation		VTA		
	16 Mounting		GAU		
	17 Dial Size		150 mm		
	18 Dial Color		White, black numbers		
	19 Case Material		SS316		
	20 Ring Construction	Ring Material	Bayonet		SS316
	21 Blow-Out Protection		Yes @ back		
	22 Lens Material		Shatterproof laminated safety glass		
	23 Pressure Element Type		Bourdon tube		
	24 Pressure Element Material		SS316		
	25 Socket Material		SS316		
	26 Process Connection Size		1/2" NPT-M		
	27 Connection Location		Bottom back		
28 Movement Material		SS316			
29 Nominal Accuracy		±1,0 % of span			
30 Over Range Protection		1,3 x full scale value			
31 NACE Requirement		N/A			
32 Accuracy		±1,0 % of span			
DIAPHRAGM SEAL	33 Type		N/A		
	34 Process Connection		N/A		
	35 Diaphragm Material		N/A		
	36 Fill Fluid (including Allowable condition)		N/A		
	37 Flushing Connection		N/A		
	38 Capillary Length		N/A		
	39 Capillary Material		N/A		
	40 Bottom Housing Material		N/A		
	41 Top Housing Material		N/A		
	42 Connection to Instrument		N/A		
	43				
44					
OPTIONS	45 Syphon: Type	Material	N/A		N/A
	46 Snubber: Type	Material	N/A		N/A
	47 Gauge Union		N/A		
	48 Manifold Valve Type	Material	Size	2-way B&B manifold	SS316 1/2"
	49 Liquid Filled Type		Yes, Glycerine		
50 Flush Ring		N/A			
PURCHASE	51 Manufacturer		According to approved vendor list		
	52 Model		VTA		
	53				
	54				
55					
Notes: - Calibration, 3.1 material test, and IP certification to be included with gauges					
				PRESSURE GAUGE	
01	LK	20-6-2025	For Approval		
00	LK	23-4-2025	For Approval		
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