

AB ORLEN LIETUVA TECHNINĖS SPECIFIKACIJOA

**„Esamų metalo konstrukcijų ugniatsparinimas ir apsauga nuo gaisro AB
„ORLEN Lietuva“ naftos produktų perdirbimo gamykloje, GP-2,
Įrenginyje Nr.2“**

Priedas Nr.3

AB ORLEN LIETUVA TECHNINĖS SPECIFIKACIJOS

Rev.	0	1	2
Date	2025-10-06		

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#	Discipline	Description	Type Mark	File Name	Note
1.	General Requirements	000-General	D P F E I	OL-TR-GR-000 rev02	
2.	General Requirements	001-Noise Level	D P I	OL-TR-GR-001 rev00	
3.	General Requirements	002-Firefighting	D P F E	OL-TR-GR-002 rev02	
4.	General Requirements	003- Identification of potential explosion hazard zones	D P F E I	OL-TR-GR-003_rev01	
5.	General Requirements	004-RISK ASSESSMENT OF TECHNOLOGICAL PROCESSES AND PROCESS FACILITIES	D	OL-TR-GR-004 rev02(EN)	
6.	General Requirements	004-TECHNOLOGINIŲ PROCESŲ IR ĮRENGINIŲ RIZIKOS VERTINIMAS	D	OL-TR-GR-004 rev02(LT)	
7.	General Requirements	005- INDUSTRIAL ACCIDENT PREVENTION AND PREPAREDNESS	D P F E I	OL-TR-GR-005 rev00(EN)	
8.	General Requirements	005- ĮRENGINIO PRAMONINIŲ AVARIJŲ PREVENCIJA IR PARENGTIS	D P F E I	OL-TR-GR-005 rev00(LT)	
9.	Civil	000-Civil. General	D P F E I	OL-TR-CR-000 rev00	
10.	Civil	001-Structural Design	D P	OL-TR-CR-001 rev01	
11.	Civil	002-Heat Insulation	D P E I	OL-TR-CR-002 rev01	
12.	Civil	003-Fireproofing	D P E I	OL-TR-CR-003 rev01	
13.	Civil	004-Concrete Structures	D P F E I	OL-TR-CR-004 rev00	
14.	Civil	005-Structural Steel	D P F E I	OL-TR-CR-005 rev00	
15.	Civil	006-Geotechnical Investigation	P	OL-TR-CR-006 rev00	
16.	Civil	007-Earthwork and Subgrade Preparation	P E I	OL-TR-CR-007 rev00	
17.	Civil	008-Roads	P E I	OL-TR-CR-008 rev00	
18.	Civil	009-Water and Sewage	D P F E I	OL-TR-CR-009 rev01	
19.	Civil	010-Underground Gravity Sewers	D P F E I	OL-TR-CR-010 rev00	
20.	Civil	011-Corrosion Protection and Lining. Painting	P E I	OL-TR-CR-011 rev00	
21.	Civil	012-Corrosion Protection and Lining. Lining for Pressure Vessels and Piping	D P F E I	OL-TR-CR-012 rev00	
22.	Civil	013-Corrosion Protection and Lining.	D P F E I	OL-TR-CR-013 rev00	

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		Lining for Fired Heaters			
23.	Civil	014-Corrosion Protection and Lining. Cathodic Protection	D P E I	OL-TR-CR-014 rev00	
24.	Mechanical	MR-000-Mechanical. General	D P F E I	OL-TR-MR-000 rev00	
25.	Mechanical	MR-001-General Welding, Fabrication and Inspection	P F E I	OL-TR-MR-001 rev01	
26.	Mechanical	MR-002-Positive Material Identification	P I	OL-TR-MR-002 rev00	
27.	Mechanical	MR-002-Positive Material Identification	P I	OL-TR-MR-RP2 rev00	Data Sheet
28.	Mechanical	MPR-001-Piping	D P F E I	OL-TR-MPR-001 rev01	
29.	Mechanical	MPR-002-Piping Specifications	D P F E I	OL-TR-MPR-002 rev00	
30.	Mechanical	MVR-001-Pressure Vessels	D P F E I	OL-TR-MVR-001 rev01	
31.	Mechanical	MVR-001-Pressure Vessels	D P F E I	OL-TR-MVR-DS1 rev00	Data Sheet
32.	Mechanical	MVR-002-Internals for Towers, Drums and Fixed Bed Reactors	D P F E I	OL-TR-MVR-002 rev00	
33.	Mechanical	MER-001-Shell and Tube Heat Exchangers	D P F E I	OL-TR-MER-001 rev01	
34.	Mechanical	MER-001-Shell and Tube Heat Exchangers	D P F E I	OL-TR-MER-DS1 rev00	Data Sheet
35.	Mechanical	MER-002-Double Pipe Heat Exchangers	D P F E I	OL-TR-MER-002 rev00	
36.	Mechanical	MER-002-Double Pipe Heat Exchangers	D P F E I	OL-TR-MER-DS2 rev00	Data Sheet
37.	Mechanical	MER-003-Air Cooled Heat Exchangers	D P F E I	OL-TR-MER-003 rev00	
38.	Mechanical	MER-003-Air Cooled Heat Exchangers	D P F E I	OL-TR-MER-DS3 rev00	Data Sheet
39.	Mechanical	MHR-001-Fired Heaters	D P F E I	OL-TR-MHR-001 rev00	
40.	Mechanical	MHR-002-Industrial Boilers	D P F E I	OL-TR-MHR-002 rev00	
41.	Mechanical	MCR-000-Cooling Towers	D P F E I	OL-TR-MCR-000 rev00	
42.	Mechanical	MTR-000-Welded Storage Tanks	D P F E I	OL-TR-MTR-000 rev00	
43.	Mechanical	MRR-000-Machinery. General	P E I	OL-TR-MRR-000 rev01	
44.	Mechanical	MRR-011-Machinery. Centrifugal Pumps	P E I	OL-TR-MRR-011 rev01	

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45.	Mechanical	MRR-012-Machinery. Sealless Centrifugal Pumps	P E I	OL-TR-MRR-012 rev01	
46.	Mechanical	MRR-013-Machinery. Shaft Sealing Systems for Centrifugal and Rotary Pumps	P E I	OL-TR-MRR-013 rev01	
47.	Mechanical	MRR-021-Machinery. Positive Displacement Pumps - Reciprocating	P E I	OL-TR-MRR-021 rev01	
48.	Mechanical	MRR-022-Machinery. Positive Displacement Pumps - Rotary	P E I	OL-TR-MRR-022 rev01	
49.	Mechanical	MRR-023-Machinery. Positive Displacement Pumps - Controlled Volume	P E I	OL-TR-MRR-023 rev01	
50.	Mechanical	MRR-031-Machinery. Axial, Centrifugal and Expander Compressors	P E I	OL-TR-MRR-031 rev01	
51.	Mechanical	MRR-032-Machinery. Positive Displacement Compressors - Rotary	P E I	OL-TR-MRR-032 rev01	
52.	Mechanical	MRR-033-Machinery. Reciprocating Process Compressors	P E I	OL-TR-MRR-033 rev01	
53.	Mechanical	MRR-041-Machinery. General-Purpose Steam Turbines	P E I	OL-TR-MRR-041 rev01	
54.	Mechanical	MRR-042-Machinery. Special-Purpose Steam Turbines	P E I	OL-TR-MRR-042 rev01	
55.	Mechanical	MRR-051-Machinery. General-Purpose Gear Units	P E I	OL-TR-MRR-051 rev01	
56.	Mechanical	MRR-052-Machinery. Special-Purpose Gear Units	P E I	OL-TR-MRR-052 rev01	
57.	Mechanical	MRR-061-Machinery. General-Purpose Centrifugal Fans	P E I	OL-TR-MRR-061 rev01	
58.	Mechanical	MRR-062-Machinery. Special-Purpose Centrifugal Fans	P E I	OL-TR-MRR-062 rev01	
59.	Mechanical	MRR-063-Machinery. Industrial Fans for General Process Service	P E I	OL-TR-MRR-063 rev01	
60.	Mechanical	MRR-071-Machinery. Protection System	P E I	OL-TR-MRR-071 rev01	

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61.	Automation and Instrumentation	000-A&I. General	D P F E I	OL-TR-IR-000 rev02	
62.	Automation and Instrumentation	001-Flow Instruments	D P F E I	OL-TR-IR-001 rev01	
63.	Automation and Instrumentation	002-Pressure Instruments	D P E I	OL-TR-IR-002 rev01	
64.	Automation and Instrumentation	003-Level Instruments	D P E I	OL-TR-IR-003 rev01	
65.	Automation and Instrumentation	004-Temperature Instruments	D P F E I	OL-TR-IR-004 rev01	
66.	Automation and Instrumentation	005-Analyzers	D P E I	OL-TR-IR-005 rev01	
67.	Automation and Instrumentation	006-Control Valves	D P E I	OL-TR-IR-006 rev01	
68.	Automation and Instrumentation	007-ON-OFF Valves	D P F E I	OL-TR-IR-007 rev01	
69.	Automation and Instrumentation	008-Field Installation	D E I	OL-TR-IR-008 rev01	
70.	Automation and Instrumentation	009-Control and Auxiliary Rooms	D P F E I	OL-TR-IR-009 rev01	
71.	Automation and Instrumentation	010-Power Supply	D P F E I	OL-TR-IR-010 rev01	
72.	Automation and Instrumentation	011-Distributed Control System	D P F E I	OL-TR-IR-011 rev01	
73.	Automation and Instrumentation	012-ESD, BMS	D P F E I	OL-TR-IR-012 rev01	
74.	Automation and Instrumentation	013-Programmable Logic Controller	D P F E I	OL-TR-IR-013 rev01	
75.	Automation and Instrumentation	014-Fire and Gas Monitoring Systems	D P F E I	OL-TR-IR-014 rev01	
76.	Automation and Instrumentation	015-Plant Material Balance	D P E I	OL-TR-IR-015 rev01	
77.	Automation and Instrumentation	016-Antisurge Systems	D P E I	OL-TR-IR-016 rev00	
78.	Automation and Instrumentation	017-Erection Technical Documentation. Completion of Works	P E I	OL-TR-IR-017 rev00	
79.	Automation and Instrumentation	018-Scope of Supply	P E I	OL-TR-IR-018 rev00	
80.	Automation and Instrumentation	019-HMI/SCADA System	D P F E I	OL-TR-IR-019 rev00	
81.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020 rev00	
82.	Automation and Instrumentation	021-Technological process automatic control system cyber security installation rules	D P E I	OL-TR-IR-021 rev00	

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83.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020A rev00	Data Sheet
84.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020B rev00	Data Sheet
85.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020C rev00	Data Sheet
86.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020D rev00	Data Sheet
87.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020E rev00	Data Sheet
88.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020F rev00	Data Sheet
89.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020G rev00	Data Sheet
90.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020H rev00	Data Sheet
91.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020I rev00	Data Sheet
92.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020J rev00	Data Sheet
93.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020K rev00	Data Sheet
94.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020L rev00	Data Sheet
95.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020M rev00	Data Sheet
96.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020N rev00	Data Sheet
97.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020O rev00	Data Sheet
98.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020P rev00	Data Sheet
99.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020Q rev00	Data Sheet
100.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020R rev00	Data Sheet
101.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020S rev00	Data Sheet
102.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020T rev00	Data Sheet
103.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020U rev00	Data Sheet
104.	Automation and Instrumentation	020-Data Sheets for Instruments	D P	OL-TR-IR-020V rev00	Data Sheet
105.	Electrical	000-Electrical. General	D P F E I	OL-TR-ER-000 rev01	
106.	Electrical	001-Electrical Buildings	D P F E I	OL-TR-ER-001 rev01	

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107.	Electrical	002-Medium Voltage Switchgear Units	P E I	OL-TR-ER-002 rev01	
108.	Electrical	003-Low Voltage Panels	P E I	OL-TR-ER-003 rev00	
109.	Electrical	004-Low Voltage Switchgear Units	P E I	OL-TR-ER-004 rev00	
110.	Electrical	005-Low Voltage Motor Control Devices	P E I	OL-TR-ER-005 rev00	
111.	Electrical	008-Motor Control Device (VFD, Soft Starters)	P E I	OL-TR-ER-008 rev01	
112.	Electrical	009-Power Control Devices	P E I	OL-TR-ER-009 rev00	
113.	Electrical	010-Medium Voltage Motors	P E I	OL-TR-ER-010 rev00	
114.	Electrical	011-Low Voltage Motors	P E I	OL-TR-ER-011 rev01	
115.	Electrical	012-Capacitors and Reactive Power Compensation Units	P E I	OL-TR-ER-012 rev00	
116.	Electrical	013-Power Transformers	P E I	OL-TR-ER-013 rev00	
117.	Electrical	014-Bus Conductors	P E I	OL-TR-ER-014 rev00	
118.	Electrical	015-Uninterruptible Power Supply	P E I	OL-TR-ER-015_rev01	
119.	Electrical	017-Illumination	P E I	OL-TR-ER-017 rev00	
120.	Electrical	018-Maintenance Illumination and Power Supply Connection Points	P E I	OL-TR-ER-018 rev00	
121.	Electrical	019-High Building Warning Lights	D P E I	OL-TR-ER-019 rev00	
122.	Electrical	021-Grounding	D P E I	OL-TR-ER-021 rev00	
123.	Electrical	022-Protection of Direct and Indirect Lighting Effect	D P E I	OL-TR-ER-022 rev00	
124.	Electrical	023-Cathodic Protection Systems	D P E I	OL-TR-ER-023 rev00	
125.	Electrical	024-Cable Trench	D P E I	OL-TR-ER-024 rev00	
126.	Electrical	025-Cable Trays	D P E I	OL-TR-ER-025 rev01	
127.	Electrical	026-Power and Control Cables	P E I	OL-TR-ER-026 rev00	
128.	Electrical	027-Electrical Heating for Piping and Equipment	D P E I	OL-TR-ER-027 rev00	
129.	Electrical	028-Electrical Heating for Instruments	D P E I	OL-TR-ER-028 rev00	
130.	Electrical	029-Power Supply for Instrument Systems	D P E I	OL-TR-ER-029 rev00	
131.	Electrical	030-Electric Actuators	P E I	OL-TR-ER-030 rev00	

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132.	Electrical	031-Electric Shock Protection	D P E I	OL-TR-ER-031 rev00	
133.	Electrical	032-Overvoltage Protection	D E I	OL-TR-ER-032 rev00	
134.	Electrical	036-General Electrical Erection Procedures	F E I	OL-TR-ER-036 rev00	
135.	Electrical	037-Procedure For Acceptance Of Electric Equipment As Fit For Service	P E I	OL-TR-ER-037 rev1_EN	
136.	Electrical	037-ELEKTROS ĮRENGINIŲ PRIPAŽINIMO TINKAMAI NAUDOTI TVARKA	P E I	OL-TR-ER-037 rev1_LT	
137.	Others	Software. Requirements, Installation and Guide	D P F E I	OL-TR-SR-000 rev00	

D – Design-Engineering

P – Procurement

F – Fabrication

E – Erection

I – Inspection and Testing