

**The Appendix is an integral part of
Certificate of Accreditation No: 520/2024 of 03/10/2024**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

TESTION, a.s.
CAB number 1318, Testing Laboratories
Beranových 130, Letňany, 199 00 Praha 9

The laboratory applies a flexible approach to the scope of accreditation.

The current list of activities carried out within the flexible scope is available on the laboratory's website <http://www.testion.cz> in the form of the „List of activities within the flexible scope of accreditation“.

The laboratory provides opinions and interpretations of the test results.

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1	Resistance test by damp heat, cyclic	ČSN EN 60068-2-30	Engineering and electrical engineering products, surface coatings and protections	A, D
2	Resistance test by salt spray	ČSN EN ISO 9227, except art. 5.2.4.; ASTM B 117; ECE Regulation No. 67.03 Annex 16, p. 12.1; ECE Regulation No. 110.04, Annex 5E, p. 1; ISO 15500-2, p. 10	Engineering and electrical engineering products, surface coatings and protections, LPG and CNG components in automobiles	A, D
3	Resistance test by sine vibrations	ČSN EN 60068-2-6; ECE Regulation No. 67.03, Annex 16, p. 10.5; ECE Regulation No. 110.04, Annex 5N; ISO 15500-2, p. 14	Engineering and electrical engineering products, LPG and CNG components in automobiles	A, D
4	Resistance test by random broadband vibrations	ČSN EN 60068-2-64; ČSN EN 61373; ČSN EN 50155	Engineering and electrical engineering products	A, D
5	Resistance test by impact during weapon firing	MIL-STD-810, Meth. 519; MIL-STD-810H, Meth. 519.8; MIL-STD-810G w/Change1, Meth. 519.7; MIL-STD-810G, Meth. 519.6; MIL-STD-810F, Meth. 519.5	Engineering and electrical engineering products	A, D

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
6	Resistance test by shock and impact	ČSN EN 60068-2-27; ČSN EN 50155	Engineering and electrical engineering products	A, D
7	Combined resistance test by temperature and vibrations	ČSN EN 60068-2-53; ČSN EN 50155	Engineering and electrical engineering products	A, D
8	Resistance test by hydraulic pressure impulse without flexing	ČSN EN ISO 6803; ČSN EN 14276-2, p. 6.9.1.3; ČSN EN 378-2 p. 5.3.2.2.4; ECE Regulation No. 67.03, Annex 8, p. 1.7, 2.7, 3.7 a 4.7; ECE Regulation No. 67.03, Annex 16, p. 10.4; ECE Regulation No. 110.04, Annex 4B, p. 1.7.2, 2.7.2	Rubber or plastic hoses and hose assemblies, exchangers, evaporators, tubes, LPG and CNG components in automobiles	A, D
9	Resistance test of hoses by hydrostatic pressure	ČSN EN ISO 1402; ČSN EN 14276-2, p. 6.9.1.2; ČSN EN 378-2, p. 5.3.2.2.2 a 5.3.2.2.3; ECE Regulation No. 67.03, Annex 8, p. 1.5.5, 2.5.4, 3.5.5 and 4.5.5; ECE Regulation No. 110.04, Annex 4B, p. 1.5.4, 2.5.4; ISO 15500-2, p. 5, 6	Rubber or plastic hoses and hose assemblies, exchangers, evaporators, tubes, LPG and CNG components in automobiles	A, D
10	Resistance test by hydraulic pressure impulse	ČSN EN 378-2, 9. 5.3.2.2.4; ČSN EN 14276-2, p. 6.9.1.3; ECE Regulation No. 67.03, Annex 16, p. 9; ECE Regulation No. 110.04, Annex 3, Appendix A, p. A.6., A.13.	Rubber or plastic hoses and hose assemblies, exchangers, evaporators, tubes, LPG and CNG components in automobiles	A, D
11	Resistance test by hydrostatic pressure	ČSN EN 378-2, p. 5.3.2.2.2 and 5.3.2.2.3;	Rubber or plastic hoses and hose assemblies,	A, D

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
		ČSN EN 14276-2, p. 6.9.1.2; ECE Regulation No. 67.03, Annex 16, p. 4,5,6,7,8; ECE Regulation No. 67.03, Annex 10, p. 2.2, 2.3; ECE Regulation No. 110.04, Annex 5A, 5B, 5C	exchangers, evaporators, tubes, LPG and CNG components in automobiles	
12	Resistance test by change of temperature (Na, Nb)	ČSN EN 60068-2-14, except p. 9; ECE Regulation No. 67.03, Annex 16, p. 16; ECE Regulation No. 110.04, Annex 5H	Engineering and electrical engineering products, surface coatings and protections, LPG and CNG components in automobiles	A, D
13	Resistance test by cold	ČSN EN 60068-2-1	Engineering and electrical engineering products, surface coatings and protections	A, D
14	Resistance test by dry heat	ČSN EN 60068-2-2	Engineering and electrical engineering products, surface coatings and protections	A, D
15	Resistance test by damp heat, constant	ČSN EN 60068-2-78	Engineering and electrical engineering products, surface coatings and protections	A, D
16	Test of resistance to climatic changes (+80°C/-40°C)	PV 1200	Engineering and electrical engineering products, surface coatings and protections	A, D

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ degrees of freedom: A – Flexibility concerning materials/products (subject of the test), B – Flexibility concerning components/parameters/characteristics, C – Flexibility concerning the performance of the method, D – Flexibility concerning the method

The laboratory can modify the test procedures with the specified degree(s) of freedom in the scope of accreditation while maintaining the principle of measurement. If no degree of freedom is specified, the laboratory cannot apply a flexible approach to the scope of accreditation for the test.

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Explanations:

ASTM	American Society for Testing Materials
MIL-STD-810	United States Military Standard
EHK	Regulations for approval of LPG a CNG equipment
PV	Test prescription concern Volkswagen AG
LPG	Liquid Petroleum Gas
CNG	Compressed Natural Gas

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "