

## CNG fuel system components testing and certification



**Kiwa offers testing and certification services of automotive components for LPG, CNG, LNG and hydrogen sectors, as well as electromagnetic compatibility and several climatic tests. Kiwa is authorized to issue E4 certification by the Dutch Vehicle Authority (RDW), one of the most renowned certification authorities in the world.**

Kiwa can perform pressure relieve valve testing, PRD testing and other testing and certification services for fuel system components of automotive vehicles using compressed natural gas (CNG) in the propulsion system, according to the standard ISO 15500. The stricter environmental standards become, the larger the scope for using alternative fuels and other drive systems. Hydrogen, natural biogas, hybrids and fuel cells are all alternatives that are rapidly becoming reality. Outside of Europe, Kiwa can support your testing and certification requirements in many marketplaces, including North America.

The various components are:

- General requirements and definitions
- Performance and general test methods
- Check valves
- Manual valves
- Manual cylindrical valves
- Automatic valves
- Gas injectors
- Pressure indicators
- Gas-flow adjusters
- Gas/air mixers
- Pressure relief valves (PRV)
- Pressure relief devices (PRD)
- Excess flow valves

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- Gas-tight housing and ventilation hoses

If your product is not listed here, please contact us!

If you are a manufacturer of automotive vehicles using compressed natural gas (CNG) fuel system components who wishes to launch your automobile with compressed natural gas (CNG) fuel system components on the worldwide market, you must certify all those components using compressed natural gas (CNG) in their propulsion system, according to the ISO 15500 standard. For the worldwide market you must have the ISO 15500 mark on your products.

You can ask for a quotation or information either by phone or e-mail. A starting point for a quotation is standard ISO 15500. After approval of the quotation by both parties the actual test work starts. A certificate will be sent to you by Kiwa when all test work has been performed successfully and you have entered into a surveillance agreement.

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