

## Gastec QA

Certification and testing of gas piping systems and components

**Gastec QA is the certification mark for indoor and outdoor gas piping systems and its components. The quality mark has a long and distinguished history and a worldwide reputation.**

Gastec QA is an independent high quality mark, issued exclusively by Kiwa. The Gastec QA mark on your product is your declaration that the product complies with the highest available standards with respect to safety, quality and functionality.

Typically the Gastec QA guidelines cover the applicable international standards such as EN and ISO. Next to this, additional quality requirements are taken up to ascertain its functionality in use and to cover many additional national requirements in Europe and the world.

Gastec QA is available for the complete chain of products in gas distribution, gas indoor installations and gas appliances.

- Copper or stainless steel piping systems;
- Plastics (or multilayer) piping systems;
- Mechanical fittings such as compression and press fittings;
- Connection hoses to gas appliances, made of rubber or corrugated stainless steel;
- And many more products.



### Components for gas installations

Next to pipes and fittings, many other products are installed into the indoor gas installation system. Gastec QA can certify all these products as well. A few of these components, often having a safety or regulation function, are:

- (Ball) Valves for gas installations;
- Excess flow valves;
- Thermo activated safety devices;
- Pressure regulators;
- Isolation couplings;
- Gas meter brackets;
- Leak detection agents;
- Sealing materials such as rubbers, PTFE tapes, etc.;
- And many other products.



### Indoor gas piping systems

For the indoor gas installations the Gastec QA certification offers a wide range of products. Not only the traditional materials such as copper pipes and brass compression or soldering fittings but also various plastics piping systems can be certified for indoor gas installations. As with all other Gastec QA products, the guidelines are based on well-known international standards and upgraded with Kiwa's expertise and experience.

The indoor gas piping systems can be summarised into the following groups:



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## Outdoor gas distribution systems

For the outdoor gas distribution piping systems, Gastec QA covers the range from the large diameter PE pipes or large distribution valves to the connection systems to your house.

Also for these the International standards are the base for the certification guidelines.



## Kiwa's testing services

Kiwa's highly qualified testing laboratory in Apeldoorn (the Netherlands) can perform all tests mentioned in its evaluation guidelines.

Also for non-certification clients Kiwa performs complete testing programmes on (polymer) materials, products and piping systems.

## The route to certification

### Initial type testing and approval stage

Gastec QA certification is based on evaluation approval guidelines (KE's). These documents, mostly based on international standards and guidelines are the starting point for each certification. The route to certification is in short as follows:

1. Initiation of the certification process based on the applicable Gastec QA guideline;
2. Evaluation of the applicable information and drawing up of an appropriate type testing program;
3. Visit of the production facilities to determine and verify the factory production quality control plan;
4. Testing and verification of the products in accordance with all requirements in the Gastec QA guideline;
5. Granting of the certificate.



### After granting of the certificate

After the granting of the certificate the annual process of inspection audits to verify the factory production quality control plan is started. During the audits witness test can be performed and audit testing samples will be taken for verification of the products with the requirements in the evaluation guideline.

## Recognised all over the world

Kiwa's certification documents and test reports are recognised all over the world by numerous testing and certification institutes. Testing at Kiwa usually implies no double testing costs. Once tested at Kiwa the reports are willingly accepted worldwide.

Next to the acceptance of the test reports Kiwa can also perform various certification audits, including audit testing for many institutes such as Germany's DVGW. This concretises Kiwa's one stop shop philosophy which inevitably has advantages for any producer.

Kiwa's certification activities are EN ISO/IEC 17065 accredited and the testing activities are EN ISO/IEC 17025 accredited, both by the Dutch Accreditation Council (RvA).

## More information ?

If you would like to know more about certification and testing at Kiwa, please have a look at our website [www.1kiwa.com](http://www.1kiwa.com) or send an e-mail to [alfred.zennipman@kiwa.nl](mailto:alfred.zennipman@kiwa.nl) or [rob.van.aerde@kiwa.nl](mailto:rob.van.aerde@kiwa.nl).

