

COMMON POWER

News bulletin Expert Centre for EuP

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Kiwa Expert Centre for Energy using Products has taken off

As most of you already may know, Kiwa offers an enormous range of testing and certification products on an as broad range of products. Amongst many others we mention:

- Gas operated products and components;
- Solar power (PV and Solar Thermal);
- New Technologies like Stirling engines, fuel cells, heat pumps, etc. (mCHP);
- Flue systems;
- Solid fuel operated appliances;

In order to make sure that we give our clients the fastest, most flexible services by the most suitable experts, we have launched the Kiwa Expert Centre for Energy using Products.

You, as our client can be everywhere, while your supplier or technology centre is, for example in China, Turkey or who knows where!

No matter if you need us at just one spot or you need our expertise and facilities here and "over there" because of your business structure, you just want to have an easy contact and smooth and fast working with us. That's exactly the basic thought of the expert centre.

Summarized, we have structured all our competences, facilities and locations in such a way that al this is just EASY accessible for you... World wide!

Want to experience this: Visit us at www.1kiwa.com/eup or just contact us.

"Common Power" is a quarterly newsletter from the Expert Center Energy Using Products of Kiwa Gastec. The aim is to provide you with news, related to testing and certification in your market and our services. If you have any suggestions on articles or information, for future publication, please contact us at the redaction.



News on Standards & Regulations

Update on the Gas Appliance Directive - Advisory Committee (GADAC)

The next meeting of the European Gas Appliance Directive Advisory Group (GAD-AC) is scheduled at the 20th of October, 2009 in Brussels. During this meeting it can be expected that the following aspects will be discussed:

- Revision of the Gas Appliance Directive (Amongst others, extension of the scope);
- New / updated Guidance sheets (Incl. interpretations);
- Possible impact of the EuP Directive and harmonization of distribution gasses;
- Follow-up on safety investigation of Gas Appliances by Dutch safety authority;

During the meeting representatives of the European Commission, representatives of Manufacturer associations and representatives of Notified Bodies of the Gas Appliances Directive (GAD) will be present.

New standard on Electrical safety of "Non - Electrical" Appliances: EN 60335-2-102

Since the 1st of April the electrical standard to cover safety risks of gas appliances EN 60335-2-102: "Household and similar appliances - Safety - Part 2-102 (2006)" is implemented by test houses and Notified Bodies. EN 60335-2-102 is a harmonized European standard under the Low Voltage Directive and parts of this standard are used to cover the risk for gas appliances caused by electrical / EMC phenomena.

Within the European Gas Appliance Directive - Advisory Group, the guidance sheet B2 has been updated for this. The new EN 60335-2-102 replaces EN 50165 on this point. From the technical point of view the requirements on EMC (a.o. test levels and testing frequencies) and electrical safety (a.o. resistance to heat and fire, clearances and creep age distances and abnormal operation) are updated covering the risk you will find in practice (state of art).

As one of the new items in EN 60335-2-102 to cover (only) the Low Voltage Directive, surge arrestors can be disconnected when performing EMC testing. Running the test under these

circumstances provides extra information to the manufacturer on the availability of the gas appliances. The safety of the gas appliance remains covered under the GAD of course. Kiwa Gastec can offer various testing programs to cover the individual - or - combinations of the Directives GAD, EMC and/or LVD.



EN 1854:2009: Pressure switches

The revised standard EN 1854: 2009 'Pressure sensing devices for gas burners and gas burning appliances', will be launched soon for formal vote and comments through your national standardization body. This revision incorporates the requirements and tests for electronic pressure sensing devices (EPSDs) and a new approach concerning the maximum inlet pressure.

Modifications in SEDBUG scheme

In the UK an important update of the SEDBUG-system is under consideration. The draft on this, is available now and shows that Band A is more difficult to reach than in the past. The BRE, as being the responsible body in the UK, is consulting their stakeholders in this stage and will decide on the final update later this year.

A quick view teaches us that quite some boilers that are now listed in Band A, would move to Band B if the modified scheme would be taken into force!

Efficiency testing of Gas Boilers - Domestic Hot Water Efficiency

EN 13203:2006 is now used more and more to perform testing and certification on tap water. As an example the UK Energy Saving Trust (EST) is using tapping cycle 2 of EN 13203 for the certification according to the Energy Saving Endorsement Scheme. Besides the requirement of EN 13203, EST is using the following to cover the certification scheme:

1. SEDBUG Band A,
2. Standby electricity power consumption and
3. Use of a timer for boilers featuring a keep-hot facility. The standby electricity power consumption and the hot water heating efficiency must be certified by e.g. a Notified Body, such as Kiwa Gastec.

It will be clear for you that we are glad to offer you the necessary testing and certification for the Updated EST scheme!

News in the market

Kiwa prepares test program for Bio-ethanol burners / fireplaces

The European market is overwhelmed by an enormous variety of bio-ethanol burners. Beautiful products that create warm atmospheres... mostly intended for outdoor, but often for indoor use as well.

Not without danger!

Besides that, there are varieties on designs, there is as much variety on the safety constructions!

There are bio-ethanol burners build as solid and static fireplaces and there are bio-ethanol burners designed as mobile lanterns. It is easy to understand that the safety risks differ! We have even seen fireplaces on the market that are extremely dangerous!

As there are no CE directives on these products, the General Product Safety Directive (GPSD) for consumer products apply to these fires. Unfortunately there are no harmonized standards yet.

As required by the GPSD, manufacturers are obliged to carry out a risk analysis and prepare a document on the results.

Kiwa test program

Together with the Dutch Safety Authorities for Consumer Products, Kiwa has prepared a set of requirements and test program in order to carry out a serious risk analysis.



We are now able to carry out testing according this test program, so you can clearly determine and report if your bio-ethanol burner is in compliance with the GPSD.

It will be a perfect completion of the legally required risk analysis & report.

Please contact us for more information!

Update on services and technologies

Solar Energy; Thermal and Photo Voltaic!

Kiwa now offers Testing and Certification services for Both *Solar Thermal* Collectors and Systems, as well as *PV Modules!*

Solar Thermal



In 2007, Kiwa Gastec Certification introduced their services within the field of thermal solar energy: testing and certification of solar boilers / collectors for the "Zonnekeur" Approval, the Dutch quality mark.

Recently we have been accredited and Notified by CEN as testing lab and Certification Body for the standards EN 12975 (Solar collectors) and EN 12976 (Solar boilers and systems) This means that you have a fast and highly recognized alternative in order to get your products Certified for Solar Keymark and / or Zonnekeur!

Zonnekeur and Solar Keymark

The voluntary Dutch Zonnekeur quality mark makes a statement concerning the safety, reliability, and durability of a solar boiler as well as the energy saving it realises. It aims to stimulate the implementation of high-quality solar boilers. Products with the Zonnekeur label comply with the stringent Dutch requirements in relation to quality, durability and performance.

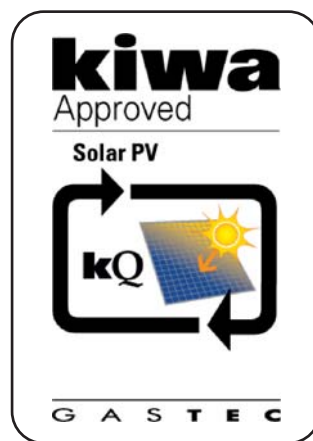
Solar PV

Since the first half of 2009, Kiwa has developed their accredited services in order to test and certify PV modules according to the Standards IEC-EN 61730, IEC-EN 61215 and IEC-EN 61646.

As Kiwa is already considered as a reference certifier within the building, construction sector, as well as the energy sector, you can rely on a well recognized testing and certification scheme.

You can rely on a fast service to get your PV modules and updates tested and certified!

Contact: Solar@kiwa.nl, or one of the Kiwa offices.



Colophon

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Kiwa Updates

New address China facilities

After three successful years of presence and growth in Guangzhou, there was a strong need for more space in order to get ready for our growth plans and also to establish testing facilities.

We are very proud to announce you that we have moved to a superb location, immediate at the opposite of the Guangzhou Pazhou trade fair complex.

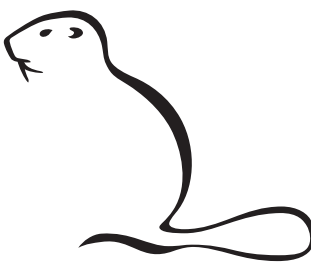
The new facilities bring Kiwa Gastec Guangzhou to a next stage of which you can profit!

As we are integrating our testing and certification services importantly into one location, near your factories and suppliers, we can create much more flexibility that will lead to shorter lead times en quicker services on eg. Spot checks.

Our new address is:

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www.1kiwa.com/eup



The meaning of the beaver as Kiwa logo:

Because many people have asked for the reason, here it is... The beaver is known as a very reliable and accurate builder. Famous for his rigid constructions and, just like Kiwa, needs to live in a sustainable society.

On top of that... The beaver is well known for his curious and friendly attitude.

These values are exactly what Kiwa is striving for as well in relation with her clients, society and employees!

You're always invited in sharing your experiences with us!

