

## CE certification of gas appliances and boilers

- CE certification
- CE type-examination
- EC unit verification of gas appliances
- Energy labelling of gas boilers

DGC issues CE certificates for gas appliances and gas/oil boilers according to the Gas Appliances Directive (GAD) (90/396/EEC) and the Boiler Efficiency Directive (BED) (92/42/EEC). DGC's Notified Body Number is 1506.

In addition, DGC's laboratory carries out CE type-examination of gas appliances and boilers and operates the Danish energy labelling scheme.

DGC's laboratory holds a DS/EN 17025:2000 accreditation and has the DANAK Certificate 310.

### CE certification

Type approval of appliances burning gaseous fuels is carried out on the basis of regulations in the GAD 90/396/EEC.

The certification covers:

- Issue of CE certificate based on laboratory testing of the gas appliance, on the GAD, on the BED and on the standards relevant for the appliance concerned.

- Control of the manufacturer's production control system for the relevant gas appliance according to the relevant modules of the directive.
- The directives are outlining several models for the production control, between which the manufacturer may choose.
- Continuous surveillance of the manufacturer's production control system to ensure that the production complies with the type-examination certificates. Random compliance checks of the appliances may also occur.

### CE type-examination

- DGC offers type-examination of appliances according to harmonized standards or to the important safety requirements in the GAD.
- DGC offers to carry out preliminary assessment of gas appliances with a subsequent type-examination in mind.
- DGC carries out type-examination according to the BED.

### **EC unit verification of appliances burning gaseous fuels**

The GAD offers the possibility for CE certification of single units or small series of gas appliances to be done as unit verification.

The approval can be based on a test or on existing documentation. There are no requirements for production control in the case of unit verification.

### **Energy labelling of gas boilers**

Apart from CE certification DGC is issuing energy labels for boilers according to the national scheme established in cooperation with the industry, the gas suppliers and the Danish Energy Authority. So far, the scheme is only in force in Denmark, but several other countries have shown an interest in the scheme.

The energy label is calculated on the basis of:

- Efficiency test in DGC's laboratory or in other laboratories that so far have observed the appropriate procedures.
- Sanitary hot water test in DGC's laboratory.

Additional information on energy labelling can be found on DGC's website [www.dgc.dk](http://www.dgc.dk).

DGC gives advice regarding certification of products and regarding energy labelling.



### **Contact us**

If you have any questions to the subjects described on the product sheet or other DGC services, you are welcome to contact us:

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### **Profile**

DGC is a specialized consultancy and development company within energy and environment. DGC's main focus area is gas utilization.

DGC offers consultancy, measurements, laboratory testing, training and certification.

DGC has its head office and laboratory in Hørsholm, north of Copenhagen and a local office in Aalborg.