

## Accreditations\*

- DAkkS-accredited test laboratory acc. to DIN EN ISO/IEC 17025, no. D-PL-11072-01\*\*
- Test Laboratory according to Construction products regulations no. 305/2011 (number 1721)\*\*
- Test Laboratory according to building regulations of land (number SAC24)\*\*
- DVGW Test laboratory for gas appliances in scope of EC-regulation (EU) 2016/426\*\*
- GS-Mark test laboratory in scope of German law ProdSG\*\*
- DIN CERTCO-test laboratory (registration number: PL015)\*\*



Use our DBI test mark for your products. Do not hesitate to ask us about this topic.



\* Subject to modifications | \*\* Further information to our accreditations you can find on our website [www.dbi-gruppe.de](http://www.dbi-gruppe.de)

## Contact / Directions

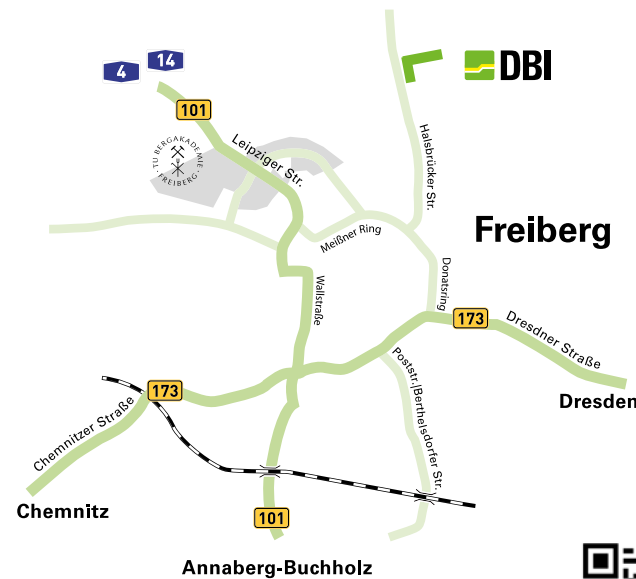
**DBI - Gastechnologisches Institut gGmbH Freiberg**  
 DVGW-Test Laboratory Energy  
 Halsbrücker Strasse 34  
 D-09599 Freiberg / Germany

### Your contact person



**Mr. René Zimmer**  
 Technical manager gas appliances  
 Phone: (+49) 3731 4195-350  
 Fax: (+49) 3731 4195-319  
[rene.zimmer@dbi-gruppe.de](mailto:rene.zimmer@dbi-gruppe.de)

status: march 2019

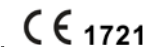


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## TEST LABORATORY FOR GAS APPLIANCES AND LIQUEFIED FUELS

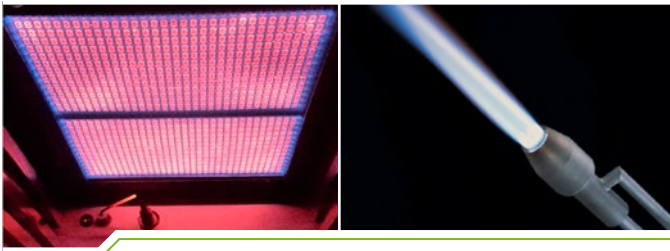
- Initial type testing
- Surveillance
- Failure probability tests
- Gas specific expertise
- Audits
- Field test examinations



## Type testing of gas appliances

Gas appliances presents high modern conveniences for the consumer. Authorities require an initial type testing and certification to ensure safety operation. DVGW-test laboratory offers a high level type testing of your gas appliances and in cooperation with DVGW CERT GmbH certification.

- Gas appliances for commercial and domestic use
- Gas appliance for LPG
- Overhead luminous and tube radiant heaters
- Combined heat and power appliances / mCHP appliances
- Domestic cooking appliances
- Convection air heaters
- Water heaters
- Heating boilers for gas burner
- Top heat grills
- BBQ's



*Different burner systems*

## Type testing of appliances fired with fuel oils and their components

Appliances for liquid fuels are very popular in decentralised regions as independent fuel supply.

We would like to offer type testing of your oil fired appliances and components for supply system based on national and European standards. You could get related approvals in cooperation with DVGW CERT GmbH.

- Oil stoves
- Forced draught burners for liquid fuels acc. to EN 267
- Heating boilers for oil burners acc. to EN 303-series
- Oil fired room sealed units acc. to EN 15035
- Components for oil supply systems acc. to EN 12514



## Further experiences and working fields

Beside standardized type testing according to national and European standards we are able to perform tests with online mixed gases as used for industrial processes or worldwide distribution. For this, we could use our 6-line free configurable gas mixture apparatus.

We could also offer measurement at location of installation as confirmation of usability proof. Therefore you will get results of gas-/oil consumption, emissions for CO<sub>2</sub>, CO, O<sub>2</sub> and also for NO<sub>x</sub>, dust and soot. We could involve our own chemical laboratory for special analyses.

You could use our special test facilities for failure probability tests of your gas-/oil-appliances and components. It's possible to configure separate conditions for the installation of the appliance and for the flue system. You could identify features like fitness for permanent use, reliability and thresholds in combination with operation with limit gas or oil. We will use two different climate chambers for operating temperature range of -40°C – +60°C and controlled humidity of 40 – 95% r. H. Test program includes systematic configuration of extremely and special conditions to achieve appliance-related failures in operation or performance. So you will get detailed information for your FMECA.



*Gas stove, decorative gas light (l. to. r.)*