

Kiwa Energy

Cooking & Catering Appliance Manufacturer Update



EU may follow Australia in restricting Nitrogen Dioxide in Cooking Appliances

Nitrogen Dioxide (NO₂) from domestic cooking appliances has already been restricted in the Australian market. As a result, the majority of products are already being designed with NO₂ in mind especially from larger manufacturers.

If you'd like to discuss the implications of this for domestic cooking appliance testing, please contact us. There are strong indications that Brussels is moving forward on this matter to restrict this in both the EU and in EU standards.

Catering and the Internet of Things



The Internet of Things (IoT) is delivering cost savings and bringing increased efficiency to the commercial catering environment. Traditional kitchen appliances such as cookers and fridge freezers are evolving into Smart appliances. Connecting such devices to the Internet of Things can enhance restaurant operations, food safety and inventory management by monitoring and provide useful notifications when thresholds are reached. These Smart appliances can even trigger an engineer call out in the event of a problem.

Kiwa tests radio modules in a range of appliances – from white goods to coffee makers. Our global market access service takes the heat out of burdensome paperwork by managing the application process in most countries to allow manufacturers to sell Smart appliances into the local marketplace.



**80% Natural Gas /
20% Hydrogen**

It is looking increasingly likely that cookers and boilers will eventually run on a blend of natural gas and hydrogen. Appliances are being tested on a blend of up to 20% v/v hydrogen. This is positive news for the UK movement to decarbonise the domestic heating and cooking sector. It is timely to have your appliances tested to run on a blend of hydrogen and natural gas.

Please remember in your literature this 'Hydrogen Blend Ready' not 'Hydrogen Ready'. Ignoring this can get you into serious trouble with the Advertising Standards Authority.

100% Hydrogen



The cancellation of the Whitby and Redcar trials has clearly been a blow to the future of the gas industry, but Natural Gas is not going to disappear in the near future. Kiwa Energy's Director of Hydrogen, Mark Crowther, recently delivered a paper to the All Party Parliamentary Group on Energy Costs. It does seem accepted by all parties that hydrogen must have a substantial role to play in the winter when the wind doesn't blow. There remains debate about whether hydrogen should be distributed through the existing NG network or burnt in a Combined Cycle Gas Turbine (CCGT) and the resulting electricity distributed to householders, ideally for use in heat pumps.

The HHIC is an ideal lobbying vehicle to express your views.

Work is underway on the UK hydrogen clusters for example HyNet on the Wirral and they will require industrial hydrogen burners, potentially commercial appliances and possibly

domestic appliances. The 300house trial in Fife continues with hydrogen coming from a 7MW wind turbine.

“Here at Kiwa Energy we have a large supply of Hydrogen and trained engineers available for testing your appliances for both approval and longevity – from small gas fires to large catering ranges”



Gas Appliance Safety Alerts

Do keep an eye on the Gas Safe Register website - this will keep you up to date on all the current recalls and will help to remind you of why quality control is always important.

[View Now >](#)



Get in Contact

As a leading testing and certification body for hydrogen and other gas appliances, reach out to Kiwa Energy for all your energy consultancy needs.

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Kiwa Energy

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