

## Measurement systems Automatic ETR combi boilers



**Kiwa can perform accurate efficiency measurements on CH boilers in combination with accurate efficiency measurements on hot water appliances. This can be achieved by using the automaticETRcombi boiler.**

Relevant to developers of appliances and certifying bodies.

The automatic ETR combi boiler is a combination of the automatic ETR Central Heating and the automatic ETR Domestic water heaters, so it has the benefits of both.

The standard input range for Central Heating purposes is 4 – 70 kW and for domestic purposes the water flow ranges from 1 – 25 litres per minute.

On demand other ranges are possible.

### **Specs automaticETRcombi boiler**

There are a few important specifications of the automaticETRcombi boiler. First, it has an automatic CH flow and return temperature control and theETRincludes accurate gas meter and water meters. It offers the opportunity to measure the electric power consumption, ambient conditions and the flow. Besides that, it can be completed with; CO/CO<sub>2</sub>/O<sub>2</sub> and NO/NO<sub>2</sub>/NO<sub>x</sub> analyzers. Instead of gas boilers it is also possible to complete theETRwith a oil boiler option. The user can then choose for performing efficiency measurements on gas boilers or oil boilers.

A supplement to theETRis the GASKEUR-NZ module. Domestic hot water appliances which can be combined with a solar system can be tested with this option.

With the automatic ETRcombi boiler it is possible to test according to the following standards:

EN-26

EN-297

EN-483

EN-625

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EN-677

EN-13203-1-2

GASKEUR

GASKEUR-NZ

If you prefer to have more specific information about the automaticETRcombi boiler, please contact us. We will be happy to provide you with more information.

If you wish to perform accurate efficiency measurements on CH boilers in combination with accurate efficiency measurements on hot water appliances.

With a Kiwa test rig installed in-house, there is no need to send all of your prototypes to expensive external facilities. You save time and money by doing most or even all the testing at your own facility. You can use Kiwa test rigs at any stage of your product development process. You can test prototypes, evaluate modifications on existing products.

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