

COMBI COMPACT HRECO

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HRECO

INTERGAS®

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INTERGAS®

Over 1,800,000 sold,
5,200 boilers produced
every week



Dutch market leader

Intergas is a longstanding leading Dutch manufacturer of high-efficiency condensing combination boilers and tankless water heaters.

Intergas has been at the forefront of boiler manufacture in the Netherlands for almost 50 years. In 1989 we launched our first condensing combination boiler and now we lead the market in the development of innovative boiler technology. Our ground-breaking and patented two-in-one heat exchanger has made us the first choice

with many households throughout the UK. With over 1,800,000 boilers installed in more than 20 countries and 5,200 boilers produced every week, Intergas is the reliable and environmentally responsible solution to your heating and hot water needs.



Ecological is the new economical with the HReco from Intergas

Intergas is a pioneer in the field of high-efficiency central heating engineering. For more than twenty years now, Intergas has been focusing on perfecting its HE boilers.

Our Combi Compact HR has been a best-selling HE boiler in the Netherlands for many years. Its unique double-HE technology was a breakthrough at the time and still forms the basis for the latest generation of HE boilers – the Combi Compact HReco. The successful design of the Combi Compact HReco has been confirmed by the Dutch Consumers' Association, which has rated the Combi Compact HReco as the 'Best in Test' twice.

HRECO





Maximum
profit in CO₂
reduction

ECO

Intergas Combi Compact HReco More with less!



*Combi Compact HReco 36

Our Combi Compact HReco contains tried-and-tested Combi Compact technology in its ultimate form. The very best of this technology has been retained, such as its reliability, its simplicity of use and installation, and its compact dimensions.

The Combi Compact HReco goes the extra mile

Intergas has installed only the highest-grade components into the Combi Compact HReco – components selected for their efficiency and durability. This has resulted in an extremely economical HE boiler with the highest possible output. Both ecologically and economically sustainable, the HReco lives up to its name!

ECO

The HReco is the ultimate in energy efficiency. With a tap water output of more than 101%*, the HReco can justifiably be called one of the most efficient HE boilers in the Netherlands today, offering maximum CO₂ emission reduction and maximum energy bill savings – good for the environment and good for your wallet.



Innovative heat exchanger and A-label pump

Our Combi Compact HReco uses a unique dual, aluminium, two-in-one heat exchanger. Its patented design ensures minimal heat loss and optimal heat transfer. Both central heating water and cold tap water supplies pass directly through the heat exchanger cooling flue gases and extracting heat of condensation to the fullest extent possible. This technology does away with the need for a three-way valve.

Not only that, but this technology has been improved further in the newest generation of this unique heat exchanger. Unprecedented performance levels have been achieved using a new type of heat labyrinth. With a 101.4% hot water efficiency, Intergas has once again set the bar a notch higher. This has resulted in exceptionally efficient usage year in, year out. The reliability of this crucial component is underscored by its fifteen-year warranty.

*Combi Compact HReco 36

INNOVATION



A-label pump

The use of an A-label pump, which circulates the heated water through the heating system, further increases energy efficiency. This benefit is achieved every time heating is enjoyed and, moreover, contributes significantly to reducing environmental impact. Choosing the most ecologically responsible HE boiler has never been this easy.



The advantages of simplicity

Our Combi Compact HReco is fitted as standard with a continuously adjustable control system that automatically adjusts the boiler's power output to the desired heating level.

It is also fitted with a self-learning eco-comfort switch that automatically turns the hot water supply heat retention feature off when no hot water is used for a longer period of time. This further reduces the energy consumption of the system. A switched mode power supply reduces stand-by losses to a minimum.

Our Combi Compact HReco is compatible with both ON/OFF and modulating thermostats using the OpenTherm protocol, by which almost any common thermostat can be used.



RF module

The Combi Compact HReco is fitted with an RF module, enabling remote management and direct communication with our wireless room thermostats. In other words, there's no need to install a separate transmitter.

Whisper quiet

The use of vacuum insulation minimises heat and energy loss and guarantees whisper quiet operation.

An innovative heat exchanger

Unprecedented performance levels have been achieved using a new type of heat labyrinth. The water is heated directly in the copper circuits of the heat exchanger, thereby optimising heat transfer.

A-label pump

All HReco boilers are fitted with the new and highly efficient A-label pump, which cuts the energy use of the boiler in half.

101.4%* annual tap efficiency rating

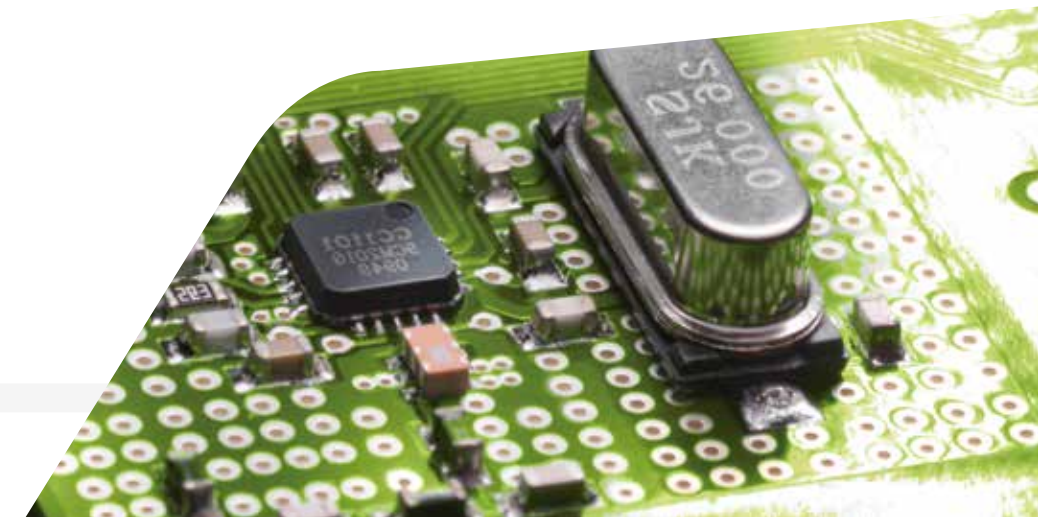
Our Combi Compact HReco is a forerunner in the Netherlands in terms of annual tap efficiency. Our HReco's hot water tap efficiency is rated at over 101%. This ensures energy-efficient usage every time you run hot water. *Combi Compact HReco 36

Display

The new modern display is easy to read and makes the boiler even more user-friendly.



TECHNICAL





Existing buildings (EPBD)

You can significantly improve your home's energy efficiency by installing an HReco even in an existing home. Doing so helps cut costs significantly for both gas and electricity, and its high annual tap efficiency drastically reduces your home's CO₂ emission levels. What's more, installing an HReco also improves your home's Energy Performance Label rating.

New buildings (EPC)

Installing a Combi Compact HReco in new buildings makes it a lot easier to comply with increasingly stringent EPS standards for new homes. Besides the huge benefits to be reaped for hot water, which can be as high as 0.16 by installing a switch-mode power supply, resulting in an additional 0.04 EPC point benefit. All in all, depending on the type of home and its gross heating needs, the savings can be higher than 0.20, eliminating the need for costly structural measures.

Major benefits for new and existing buildings

Installing an Intergas Combi Compact HReco provides major benefits in both new and existing buildings.



EPCO-FRIENDLY

Efficient and eco-friendly heating

Using the Intergas Combi Compact HReco boiler is synonymous with a minimum investment and maximum CO2 reduction. In many cases, it's even possible to achieve savings in excess of the Dutch government's goal to reduce total CO2 emission levels by at least 20%, not to mention the financial advantages offered by the HReco. Saving energy and money has never been so easy!



Example 1

Reduction in energy consumption and CO₂ emissions by replacing VR boiler CW4 (without pilot flame and with pump regulation and ventilator) with Intergas Combi Compact HReco 36

Current gas consumption [m3/year]	1500	1500	2000	2000	2000
Usable area of home [m2]	75	100	75	100	125
Temperature level installation	HT	HT	HT	HT	HT
Cable length from boiler to kitchen [m]	10	10	10	10	10
Cable length from boiler to bathroom [m]	6	6	6	6	6
Gas cooking	Yes	Yes	Yes	Yes	Yes
Improvements					
Reduced energy consumption [%]	26.6	28.6	23.9	25.4	26.0
Reduced auxiliary energy consumption [%]	90.0	92.5	90.0	92.5	94.0
Reduced CO2 emissions [%]	29.1	32.0	25.9	28.1	29.3

Example 2

Reduction in energy consumption and CO2 emission by replacing VR boiler CW3 (without pilot flame and with pump regulation and ventilator) with Intergas Combi Compact

Current gas consumption [m3/year]	1500	1500	2000	2000	2000
Usable area of home [m2]	75	100	75	100	125
Temperature level installation	HT	HT	HT	HT	HT
Cable length from boiler to kitchen [m]	10	10	10	10	10
Cable length from boiler to bathroom [m]	6	6	6	6	6
Gas cooking	Yes	Yes	Yes	Yes	Yes
Improvements					
Reduced energy consumption [%]	25.0	26.5	22.7	23.8	24.1
Reduced auxiliary energy consumption [%]	90.0	92.5 90.0	92.5	94.0	
Reduced CO2 emissions [%]	27.6	30.0	24.7	26.6	27.5

* The calculation results shown are based on averages. Savings may differ both positively and negatively. Consequently, no rights can be derived from these results.

Total control over your boiler. Anytime. Anyplace. Anywhere.

Our Intergas Comfort Touch system is an intuitive, modulating room thermostat. It's easy to raise or lower the temperature, thanks to its tactile touchscreen display. And its sleek and subtle design, which comes in both black and white and is only 13mm deep, will complement almost any interior design. Comfort Touch communicates with our boilers using Open Therm technology. This means that reaching the desired room temperature is faster and more cost effective.

COMFORT TOUCH



COMFORT TOUCH

The thermostat displays the current room temperature. Just tap plus(+) or minus(-) to adjust it. If you'd rather not display the temperature, simply alter its settings to display the heating 'ON/OFF' and 'Stand by Mode' icons only.

Turn your smartphone into a smart thermostat

You can turn your smartphone or tablet into a smart thermostat. By downloading our free app you can control your central heating, via Intouch, wherever you are. Comfort Touch is only compatible with our Eco RF, Xtreme and Xclusive boiler models, as they come fitted with an RF module as standard, and this enables you to access your Comfort Touch room thermostat remotely.



The right combination each and every time

The Intergas Combi Compact HReco is equipped with an RF module, making it possible to manage your boiler using the Incomfort app. For example, you can remotely access the system and see how warm it is at home and even adjust the temperature. It also provides meaningful insights into your boiler's performance and even a direct line to your installer. All you need is the Incomfort set, an OpenTherm room thermostat and the app – available free of charge in the App Store or on Google Play.

The Combi Compact HReco is available in three hot water performance classes (CW class), one of which will be perfect for all your heating and hot water requirements. The HReco can also easily be combined with solar boiler systems, heat recovery systems and indirectly gas-fired air heaters. Your installer can advise you on the right choice based on your preferences.



Technical specifications

INTERGAS COMBI COMPACT		HREC024	HREC030	HREC036
Heating				
Energy efficiency rating		A	A	A
Nom. upper value (Hs)	kW	6.1 - 25.9	8.0 - 32.3	8.3 - 36.3
Nom. lower value (Hi)	kW	5.5 - 23.3	7.2 - 29.1	7.5 - 32.7
Hot water				
Load profile		L	XL	XL
Energy efficiency rating		A	A	A
Nom. upper value (Hs)	kW	6.1 - 25.9	8.0 - 32.3	8.3 - 36.3
Nom. lower value (Hi)	kW	5.5 - 23.3	7.2 -29.1	7.5 - 32.7
Min. flow rate	L/min	2	2	2
DHW flow ΔT, 25 °C	L/min	12	15	18
DHW flow ΔT, 35 °C	L/min	8.5	10.5	13
Installation dimensions & weight				
Height	mm	590	650	710
Width	mm	450	450	450
Depth	mm	240	240	240
Weight	kg	30	33	36

Technical specifications subject to change

Intergas Verwarming BV has been awarded the following certifications:

