

High-efficient gas boiler
CompactGas

Hoval

Responsibility for energy and environment

Patented aluFer® for a high efficiency and low emission.

CompactGas (1000-2800). Advantages at a glance.

The Hoval CompactGas fulfils all expectations with regard to comfort, economy, dependability and technical expertise. CompactGas offers highly efficient heating technology for systems that require higher system operating temperatures.

Economical



Cost effectiveness

- **Cost-efficient solution**
due to low investment cost
- **Best effectiveness**
due to built in aluFer® heat exchanger pipes and efficiencies up to 97,5%
- **Power saving and high efficiency**
due to large water capacity

Ecological



Lowest emissions

- **Environment friendly**
due to lowest noxious emission
- **Low CO₂ emissions**
due to minimal consumption
- **Outstanding emissions values**
due to power adjustment (modulation) of a LowNOx burner

Clever



Compact and complete

- **Large range of applications**
due to flexible combination options
- **Space-saving**
due to compact design
- **Simple installation**
due to high flexibility in positioning

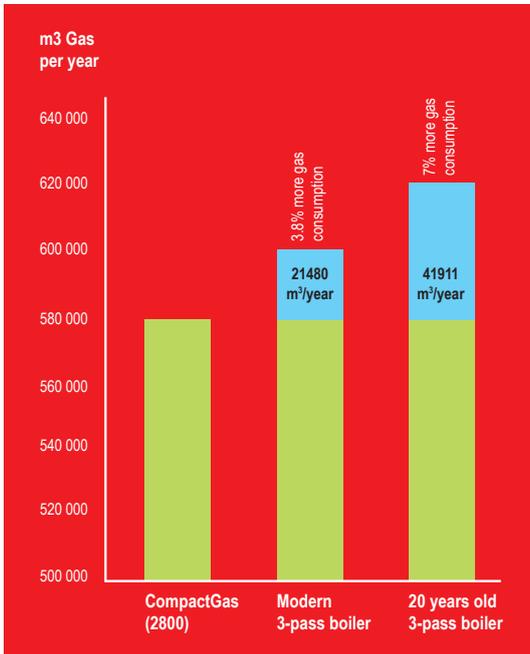
Easy to use



Simple maintenance

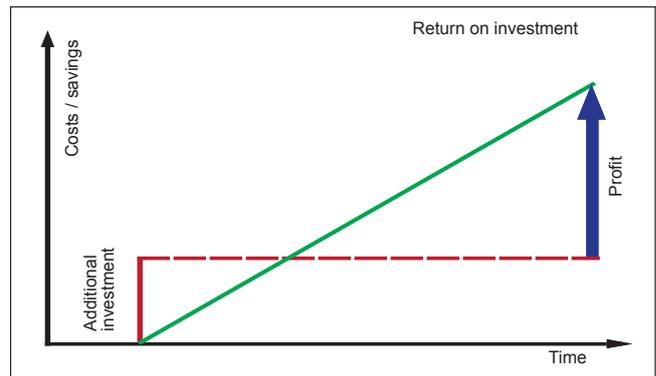
- **Easy to use**
due to intelligent design details
- **Convenient and accessible remote maintenance** by using TopTronic® online
- **Less cleaning required**
due to clean combustion

CompactGas (1000-2800). Featuring our patented aluFer® heat exchanger.



An investment that pays off

Possible additional investment costs are quickly amortized by the high degree of efficiency in comparison with conventional high-efficiency boilers. These possible additional investment costs bring significant added benefits, which become your profit. A profit that is ultimately reflected in your bottom line.



aluFer®: The Hoval exclusivity

With aluFer®-heat exchangers, developed by Hoval, heated exhaust gases can be cooled particularly efficiently. Thanks to the special tubing structure – aluminium for the gas tubing, steel for the water tubing – the heat transfer to the boiler water has been significantly improved. The fins of the aluFer®-tubes enlarges the hot gas surface area by a factor of 5 and generates widespread micro-flow turbulence, which intensifies the heat transfer.



Perfect combination with solar energy or with other Hoval boilers

Hoval system technology offers a series of mature solutions for all heating and domestic hot water requirements. CompactGas with a Hoval solar system for water heating or heating assistance, and to use the TopTronic®T controller to guarantee the seamless interaction between the individual components. Furthermore, the CompactGas offers an excellent system combination in series with the UltraGas® in systems with different system temperatures.



Free choice of burners

Generally, all 2-stage and modulating LowNOx burners are compatible with CompactGas. The models of all leading burner manufacturers have been thoroughly tested on Hoval's own test rig and, based on the results, can be recommended for use with the CompactGas.



User-friendly operation

Heat-insulated, pivoting front doors for simple cleaning and easy accessibility to the combustion chamber.

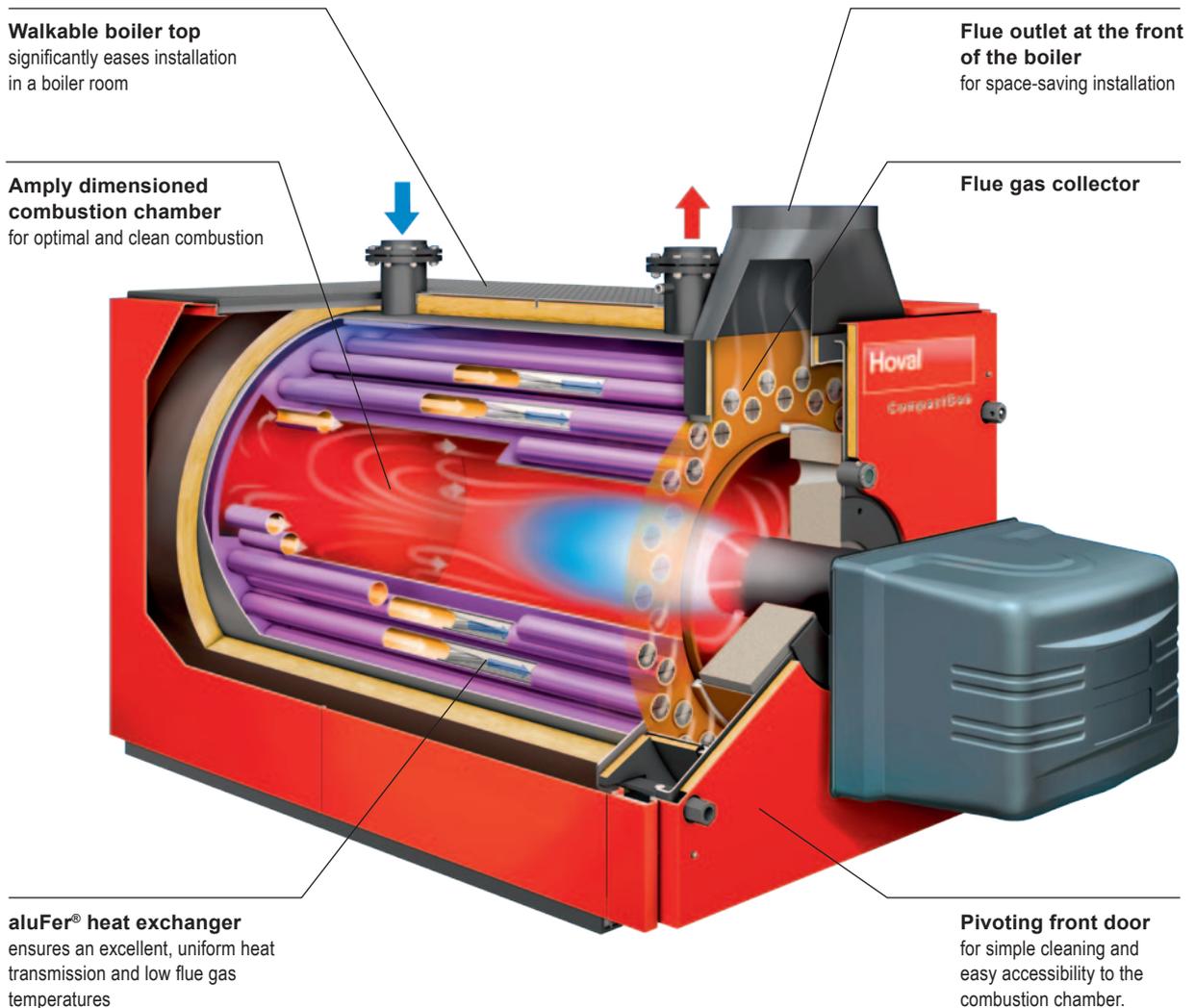


Large water capacity – energy efficiency

The large water capacity of the boiler allows for continuous operation of the burner and fewer starts. This significantly reduces gas consumption.

CompactGas (1000 - 2800).

Innovative high efficiency boiler for medium sized commercial applications.



| Technical Data | | (1000) | (1400) | (1800) | (2200) | (2800) |
|--|-----|------------|------------|------------|------------|------------|
| CompactGas | | | | | | |
| Standard efficiency at 80/60 °C | kW | 1000 | 1400 | 1800 | 2200 | 2800 |
| Nominal output range at 80/60 °C | kW | 300 – 1000 | 420 – 1400 | 540 – 1800 | 660 – 2200 | 840 – 2800 |
| Boiler efficiency at full load 80/60 °C (H _u) | kW | 96.4 | 96.0 | 96.5 | 96.5 | 96.5 |
| Boiler efficiency at full load 80/60 °C (H _o) | kW | 86.9 | 86.5 | 87.0 | 87.0 | 87.0 |
| Boiler efficiency at partial load 30 % (as per EN 303) (H _u) | % | 97.4 | 97.3 | 97.4 | 97.5 | 97.5 |
| Boiler efficiency at partial load 30 % (as per EN 303) (H _o) | % | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 |
| Max. operating pressure | bar | 6 | 6 | 6 | 6 | 6 |
| Weight inclusive casing | kg | 2100 | 2794 | 3500 | 4455 | 5567 |
| Width | | 1330 | 1530 | 1630 | 1630 | 1730 |
| Depth | mm | 2430 | 2600 | 2790 | 3529 | 3745 |
| Height | | 1646 | 1886 | 2038 | 2038 | 2188 |

(H_u) ... lower calorific value and (H_o) ... upper calorific value

Subject to modifications



Hoval Compact Gas, Installation Hoval Aktiengesellschaft (FL)



Hot water comfort:

Hoval offers a comprehensive program of water heaters and storage systems for hot water preparation.

Modul-plus: High-performance semi instantaneous calorifier with counter flow principle for any desired capacity between 640 to 10'000 litres per hour (at 60°C).

CombiVal: Calorifier with 200 to 2000 liter storage. Optionally with electrical heating element.



Flexibility to suit any need

With the inclination towards renewable energy, an increasing range of technologies is being integrated within buildings. It can control systems with up to five heat generators and ten mixing circuits, therefore a wide range of energy sources such as solar, biomass, and ambient heat can be utilised together, delivering a well-coordinated system to meet your heating demands.



The Biral circulation pumps:

High system reliability is achieved with the high quality inline or base plate circulating pumps for heating plants and domestic hot water systems. Biral circulating pumps cover a capacity range of any size of system.

What you can count on.

Hoval



Clever and complete solutions from a single source

Consistent Hoval system technology simplifies the links between different technologies and establishes a reliable platform for efficient and dependable solutions. With us, you can easily incorporate solar or biomass energy solutions into your heating system. Hoval – everything you need from one source.



Planning support from experts

Hoval are happy to assist you and your planning partners in developing progressive systems, allowing you to take advantage of our expertise, and to count on the experience of our specialists.

Ask about Hoval system solutions and learn more about the many ways to combine highly efficient condensing boilers with our range of renewable products.



Hoval Service.

For specialist commissioning and maintenance of your Hoval appliances contact our service and spare parts department or your local Hoval partner. This is your guarantee for economical operation, reliability and added value.

Responsibility for energy and environment.

The Hoval brand is internationally known as one of the leading suppliers of indoor climate control solutions. More than 65 years of experience have given us the necessary capabilities and motivation to continuously develop exceptional solutions and technically superior equipment. Maximising energy efficiency and thus protecting the environment are both our commitment and our incentive. Hoval has established itself as an expert provider of intelligent heating and ventilation systems that are exported to over 50 countries worldwide.

Your heating planner / installation engineer

Hoval Aktiengesellschaft
Austrasse 70, FL-9490 Vaduz
Principality of Liechtenstein
(Swiss customs territory)
Phone +423 3992 400
Fax +423 3992 618
E-mail: info@hoval.com
www.hoval.com