



BOSCH

Hot Water & Heating

Bosch Thermotechnology New Zealand Commercial Heating

bosch-climate.co.nz

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Condens 5000W Commercial

The powerhouse

If you want to reliably and efficiently provide large residential properties, apartment blocks or industrial buildings with heating energy, the Condens 5000W is exactly the right solution for you. This wall-mounted condensing boiler can deliver a heat output of up to 800 kW. Logically engineered features make installation particularly quick and – just like maintenance and service at a later date.



High efficiency

The appliance achieves a standard efficiency of up to 94 %. Almost all the energy contained in the fuel is converted into usable heat.

Multi-appliance cascades

Up to four appliances with the same or different heat output ratings can be configured in a cascade to provide specifically required heat output ratings.

Branded quality from Bosch

High-quality materials and painstaking attention to detail in construction and assembly ensure extreme reliability and a long service life.

A range of heat output options

The choice is yours: the appliance is available with heat output ratings of 70 and 100 kW.

Easy to use

Proven Bosch control units and systems make the appliance easy and convenient to use.

Ideal for combined use with solar thermal systems

The highly-performance electronic controller is already preconfigured for combination with a solar thermal system and features patented solar optimisation.

Branded quality in every detail

The Condens 5000W impresses with advanced condensing technology and branded quality from Bosch. The construction of the appliance is particularly clearly laid out and makes it easy to recognise its technical benefits.

Condensing technology – made by Bosch

The high-quality components employed in the construction of the Condens 5000W guarantee that the energy contained in the gas it burns is almost entirely converted into heat. This is proved by a standard efficiency of up to 94%. The basis for this is a ceramic flat bed burner and a heat exchanger with surface-coated, ribbed tubes that enable particularly high energy utilisation.

Cascade of up to four appliances

Should the heat output of a single appliance be insufficient for your needs, up to eight Condens 5000W appliances can be cascaded. In this way, heat outputs of up to 800kW can be achieved – sufficient for floor areas of up to 6,000 square metres. A cascade can be configured from various different versions of the appliance to allow heat output to be adapted ideally to meet your specific needs. Thanks to a cleverly engineered non-return valve (optional accessory) a cascade can also be operated under positive pressure. This permits the user of smaller diameter piping and demands less space for the exhaust gas system.

Efficient pump as an optional accessory

A pump developed especially for the Condens 5000W is also available as an optional accessory. The core component is an efficiency-class A-rated pump that is particularly energy-efficient in use and can be quickly and easily mounted. The pump aggregate is fully insulated and thus makes its own contribution to overall energy efficiency.

Simple installation, quick maintenance

The logically-constructed, clearly laid out system construction enables fast installation and saves time. For instance, the appliance can be installed in simple heating circuit without the need for a hydraulic separator.

Thanks to a modular system and preconfigured units, cascades are particularly fast and cost-effective to install and put into operation. It also save the time required for future maintenance and servicing. All important components of the appliance are accessible from the front. As the gas valve is separated from the venturi inlet port by a hose, servicing can be performed without disconnecting the gas supply. Which means that your service technician can finish his work much more quickly.

1. Gas-air unit
2. Automatic air vent
3. Glow igniter / Ionization pin
4. Heat exchanger
5. HMI Control unit
6. Flue concentric
7. Ceramic flat bed burner
8. Supply sensor
9. Safety sensor
10. Pressure sensor
11. Return sensor
12. PCB boiler control
13. Pump group



Condens 7000F

High quality boiler for a range of applications

The Bosch Condens 7000F is a high efficiency gas-fired floor-standing boiler with outputs from 150kW to 600kW. Our high efficiency boilers promise to deliver you and your customer a solution for a wide range of applications and have been built with quality that is synonymous with the Bosch brand.

Effective Planning

The Condens 7000F has been designed to fit easily with any heating system. Its robust hydraulics, high flow temperatures of up to 95°C and no minimum flow rate requirements, mean that there is no need for additional components such as a low loss header.

Combined reliability and flexibility

The boiler is available in four output sizes from 150kW to 300kW. Cascading allows you to achieve outputs of up to 600kW and therefore reliably covers the performance requirements for small to large projects. Furthermore, the Condens 7000F controls and gas valve meet the relevant Australian safety standards for further piece of mind.

Profit from efficiency

Each model output in the Condens 7000F range has a 1:6 turn down ratio, meaning it can modulate its power to the demand needed at any one time - saving fuel, lowering cost and increasing efficiency. In addition, the high quality heat exchanger also boasts high flexibility of up to 50K ΔT.

Flexible installation

Its lightweight, compact design and x-shaped frame ensures that the unit is easy to transport and can be installed safely. In addition, you can set up the flue gas connection behind or on top of the boiler.

Expert service

The side sections are removable. This means that all components are directly accessible. As a result, all maintenance work can be carried out quickly and easily.



Intuitive control

Bosch provides your customers with the latest in control technology for the Condens 7000F. With Control 8000, in combination with our Sense II, your customers can control the boiler in the way that works best for them. This allows your customers' specific requirements to be met, down to the smallest detail. Operation is as simple as can be – specific training is not required.

Simple networking

With MEC Remote, your customers can easily network the boiler and remotely control it with precision using a smartphone or tablet – operation is intuitive. The standard Internet interface makes this possible.



Industry first, internet-connected 8000 Control

The Control 8000 sets a new standard for commercial boiler controls, allowing you to monitor and control multiple plant rooms remotely from a computer, laptop or tablet - anywhere in the world.

In addition, the integrated Modbus interface allows you to effortlessly connect to your BMS (Building Management System) and expand the Control 8000's range of functionality. Thanks to various modules, you can monitor and control multiple boilers, as well as the ability to connect to a Combined Heat and Power (CHP) module.

Control functions

- ▶ Remote access
- ▶ Easy to use
- ▶ High-performance
- ▶ Integrated cable routing
- ▶ Touchscreen display
- ▶ Basic function buttons
- ▶ Simple system expansion options

Module functions

The easy to install, function modules offer a solution to tailor your heating system controls. The modules available for additional functionality are: Boiler sequencing of up to 8 boilers, additional heating circuit control, BMS (Building Management System), 0-10v interface option with error and fault reporting, integration of alternative heat sources (such as CHP or Gas Absorption Heat Pumps) and additional security components can also be added.

Benefits

- ▶ Control multiple plant rooms anywhere in the world with an internet connection
- ▶ Have visibility of plant errors and know how to fix them without even going on site
- ▶ Simple system expansion options
- ▶ Quick and easy to install

Bosch Uni 3000F

Technique that gives you peace of mind

Are you seeking an extremely reliable boiler with flexible application options? Then look no further than the Uni 3000F steel hot water boiler!

Reliability and efficiency

The Uni 3000F is available in 14 different boiler sizes with outputs from 360kW to 1850kW. You can therefore design the boiler precisely to suit your application. The combustion chamber has an optimised geometry that ensures perfect combustion and best possible heat transfer. The seasonal efficiency [to DIN] can be as high as 93%. Furthermore, high grade materials and perfect workmanship ensure exceptional operational reliability.



Superior Quality from Bosch

You can operate the boiler with either oil or gas. At the same time, operating pressures of up to 6 bar and a maximum safety temperature of up to 110°C are possible. This opens up a wide range of applications to you. Whether in an industrial system or as a peak load boiler in a multi-boiler system – the Uni 3000F offers you the ideal solution. The door can be mounted either on the left or right. This provides additional flexibility and simplifies the design stage. Likewise the comprehensive range of accessories. This includes innovative and easy-to-use control systems, such as the Control 8000, through to hot water cylinders that are fully compatible with the boiler.

Quick to install, easy to maintain

The Uni 3000F is not only efficient with fuel, it also saves the heating engineer time on installation and maintenance. The boiler is supplied fully assembled – including insulation and casing. This enables particularly rapid installation and commissioning. Later cleaning and maintenance work can also be carried out quickly and efficiently, because the important components of the boiler are easily accessible.

Benefits at a glance:

- ▶ Seasonal efficiency [to DIN] up to 93%
- ▶ Quick to install as the boiler is supplied with its complete casing
- ▶ Option of door hinges on the left or right
- ▶ Flexible application thanks to modular control technology
- ▶ Extensive range of accessories for a wide range of requirements

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Alternatively, speak with our helpful team

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Monday to Friday, 10am to 4pm.

We are closed on all Australian National Public Holidays and open with reduced hours for Australian state based public holidays.

Model numbers and specifications are for reference only and subject to change without prior notice.

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