



# Your Guide to Upgrading Your Home Heating

#ThinkHeatingThinkGrant

Boiler Upgrades | Retrofitting | Efficient Heating



# Upgrading your heating system

Every home is different and has unique heating requirements. Often, a heating system upgrade comes about because of a breakdown or to upgrade an inefficient old boiler. Home heating systems may also be replaced as part of home renovation projects.

This guide has been developed to advise on what to consider when upgrading your home heating system and explain the options available.

If you are planning to upgrade your home heating system, here are some important things to consider:



### Find a local plumber

Arrange a visit to the property to discuss your requirements



### Sizing your system

This is carried out by your plumber for an oil boiler or the Grant technical specialists for an air source heat pump, based on the heat requirements for the property



### Cost & efficiencies

High efficiency heating products will deliver cost effectiveness

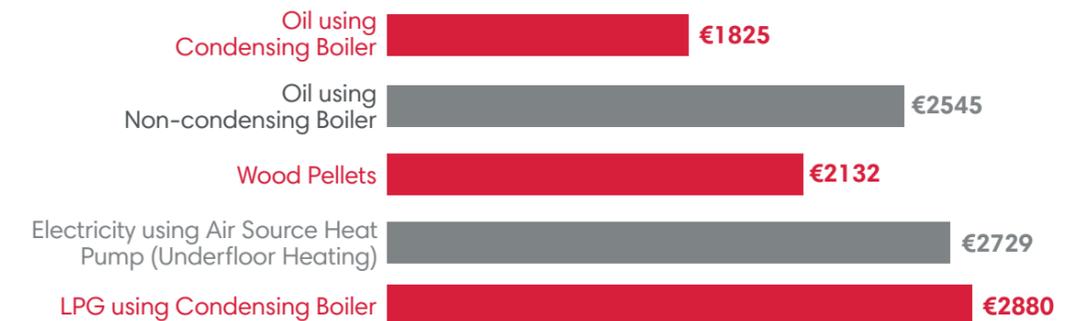
Pictured: Grant Vortex Module 26kW



“  
We are achieving our desired temperature in half the time with our new Grant Vortex compared to our previous heating system. Our fuel consumption is down and we are very pleased with the efficiency, quietness and compact size which has given us more space in the garage.  
”

M. O'Neill, Cork

## Annual cost of space heating and domestic hot water for a typical existing 3 bedroom house in the Republic of Ireland.



Semi-detached 3-bedroom house, 12100 kWh space heating & 2500 kWh DHW heating – Sutherland Tables – June 2024. Sutherland is a 3rd party independent provider of home heating costs with no connection or affiliation to Grant.



# Benefits of upgrading your oil boiler

Pictured: Grant Vortex Utility 26kW model

## 01. Cost Saving

The award-winning Grant Vortex condensing oil boiler range is available in outputs of 12-70kW. With 63 models within the range, including boiler house, outdoor, utility and wall hung variants, Vortex boilers provide high efficiency heating for your home. Upgrading your old non-condensing boiler will result in significant savings on your annual fuel bill.

Depending on the age and make of the old boiler, choosing a condensing oil boiler **can help you save on your annual heating bills by up to 28%.\***

Existing Grant Vortex condensing boilers are future-proofed to use HVO biofuel through making a slight modification to the boiler. This can be carried out by your local plumber or installer.



Grant Vortex utility 26kW model



Grant Vortex boiler house 26kW model



\*depending on age and make of boiler

## 02. Reduced Emissions

The highly efficient Grant Vortex condensing oil boiler range helps homeowners reduce their carbon emissions without compromising comfort levels or increasing running costs. Grant's core focus as a company is to provide reliable, innovative, eco-friendly solutions to the problem of rising energy costs and CO2 emissions, in the hope of providing a greener future for generations to come.



## 03. Future-proofing Your Home to be Biofuel Ready

All Grant boilers are compatible with biofuel, thereby future-proofing your home for your changing heating needs.

This adaptability means that you can have peace of mind from knowing that when you install your new Grant condensing oil boiler it will be suitable for use with future biofuel blends\* whilst still providing the reliability and efficiency that is synonymous with Grant, and helping you move to a low carbon future.

\*depending on type of biofuel and % blend eg: HVO, FAME



# 04. Easy to Install

Grant's award-winning heating products are innovative in their design yet simple to install.

**"With over 20 years working within the plumbing and heating industry, we find that Grant's range of Vortex condensing oil boilers are the best on the market thanks to their high efficiencies and easy installation."**

*SM Plumbing & Heating*



# 05. Reliable Proven Technology

As Ireland's leading manufacturer of heating technologies, Grant has been providing efficient and reliable home heating solutions for over 40 years and employs over 300 staff at its state-of-the-art manufacturing facility in Birr, Co. Offaly. The company operates at the forefront of the heating industry with its forward-thinking approach to research and the development of innovative, energy saving designs and award-winning heating products. With value for money, quality and contributing to Ireland's clean energy transition, underpinning its research, design and manufacturing process, Grant is the number one choice for homeowners and installers throughout Ireland and further afield.

Pictured: Stephen Grant Founder & Director of Grant Engineering



# 06. Distribution & Aftercare Services

All Grant products are available through your local plumbing and heating merchant\*. A full aftercare service provided by the Grant Service Network includes trained technicians located throughout Ireland, and your local installer, along with the Grant Customer Care team. Should any spare parts be required at any time, these can be supplied promptly to your installer through our dedicated merchant network.



\*Find your local merchant at - [www.grantengineering.ie/support/find-a-merchant/](http://www.grantengineering.ie/support/find-a-merchant/)

# 07. Award-Winning

Grant has excelled in designing and manufacturing innovative, highly efficient heating technologies and over the last four decades has developed a diverse award-winning product portfolio.

Awards which Grant has received include OFTEC Awards for Excellence; Irish Times Innovation Award for Sustainability, SEAI Awards for Innovative and Energy Efficient Products, Plumbing & Heating Awards for Innovative Products, National ACR & Heat Pump Awards and being named as the first ever Best Buy Oil Boiler in the prestigious Which? Magazine Awards.

The Vortex range has been acknowledged in recent years with many awards for its excellent build, reliability and performance qualities, further reinforcing Grant's position amongst the world's best-known home appliance brands. Models within the Vortex range are helping homeowners achieve maximum home heating efficiencies and reducing fuel bills, making models within the Vortex range the ideal replacements for older oil-fired boilers.

In addition, Grant's A+++ Aerona<sup>3</sup> R32 13kW and 17kW air source heat pumps have also recently been recognised by Quiet Mark for their quiet operation. Quiet Mark is the international award programme validating and awarding low-noise, high-performance technologies, helping to deliver solutions to overcome noise pollution throughout the world.



Grant Aerona<sup>3</sup> R32 6kW air to water air source heat pump



Pictured: Grant's new R&D & training facility opened 2019



# Thinking of Upgrading your heating system to Renewable Technologies?

If you are considering renewable technology, Grant has a number of options available for your home heating. Ranging from air to water air source heat pumps to biomass condensing wood pellet boilers and innovative solar thermal, Grant's range of renewable technologies continues to grow in popularity as households across Ireland look to the future of home heating.

## Solar Thermal

Easily integrated with conventional heating / hot water systems, solar thermal provides a clean and highly efficient way of using renewable energy from sunlight to provide free hot water for your home. Solar thermal also reduces home heating bills and carbon emissions, and this renewable energy is available throughout the year.

**On average Grant Solar can provide up to 70% of your domestic hot water needs per year.**

## Wood Pellet Boilers

The new Grant Spira Pell is a unique condensing, modulating and self-cleaning wood pellet boiler, offering a sustainable, low carbon heat source for your home.

Designed and manufactured in Birr, Co Offaly, these high efficiency boilers are made using high grade steel and stainless steel, with the same simplicity of operation of any boiler type.

Utilising indigenous wood pellets, these are truly an environmentally friendly heating solution, with outputs from 5 to 66kW.



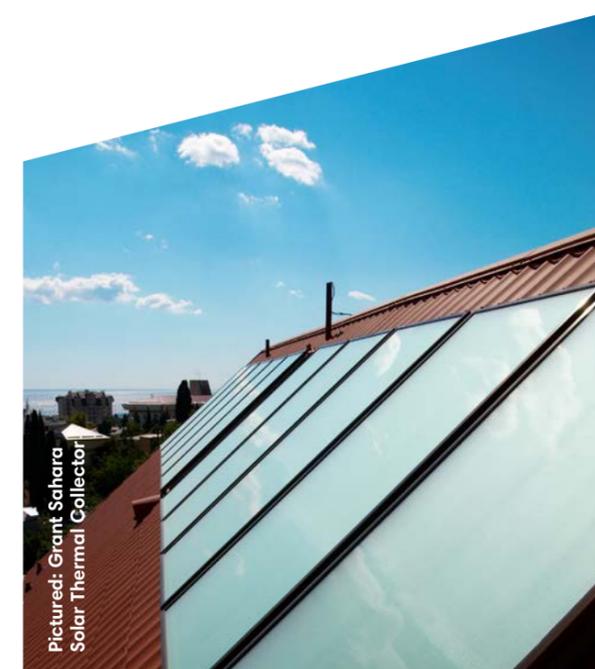
Pictured: Grant Aeronas R32 10kW air to water air source heat pump

## Air to Water Air Source Heat Pump

Providing an energy efficient, sustainable, and cost-effective way to heat a home, the award-winning Grant Aeronas R32 air to water air source heat pump has an ErP rating of A+++ and is available in outputs of 6kW, 10kW, 13kW and 17kW. The 13kW and 17kW models have also been recognised for their quiet operation by the internationally acclaimed Quiet Mark.

A heat pump will require more investment than a conventional fuel boiler, however the running costs and comfort levels will be improved provided your house is adequately insulated. To ensure the Grant Aeronas air to water air source heat pump will work effectively and provide the comfort level you require, contact [heatpump@grantengineering.ie](mailto:heatpump@grantengineering.ie) for further technical guidance.

The energy source used by heat pumps can also be entirely renewable, so by installing a heat pump the carbon footprint of the property is immediately reduced.



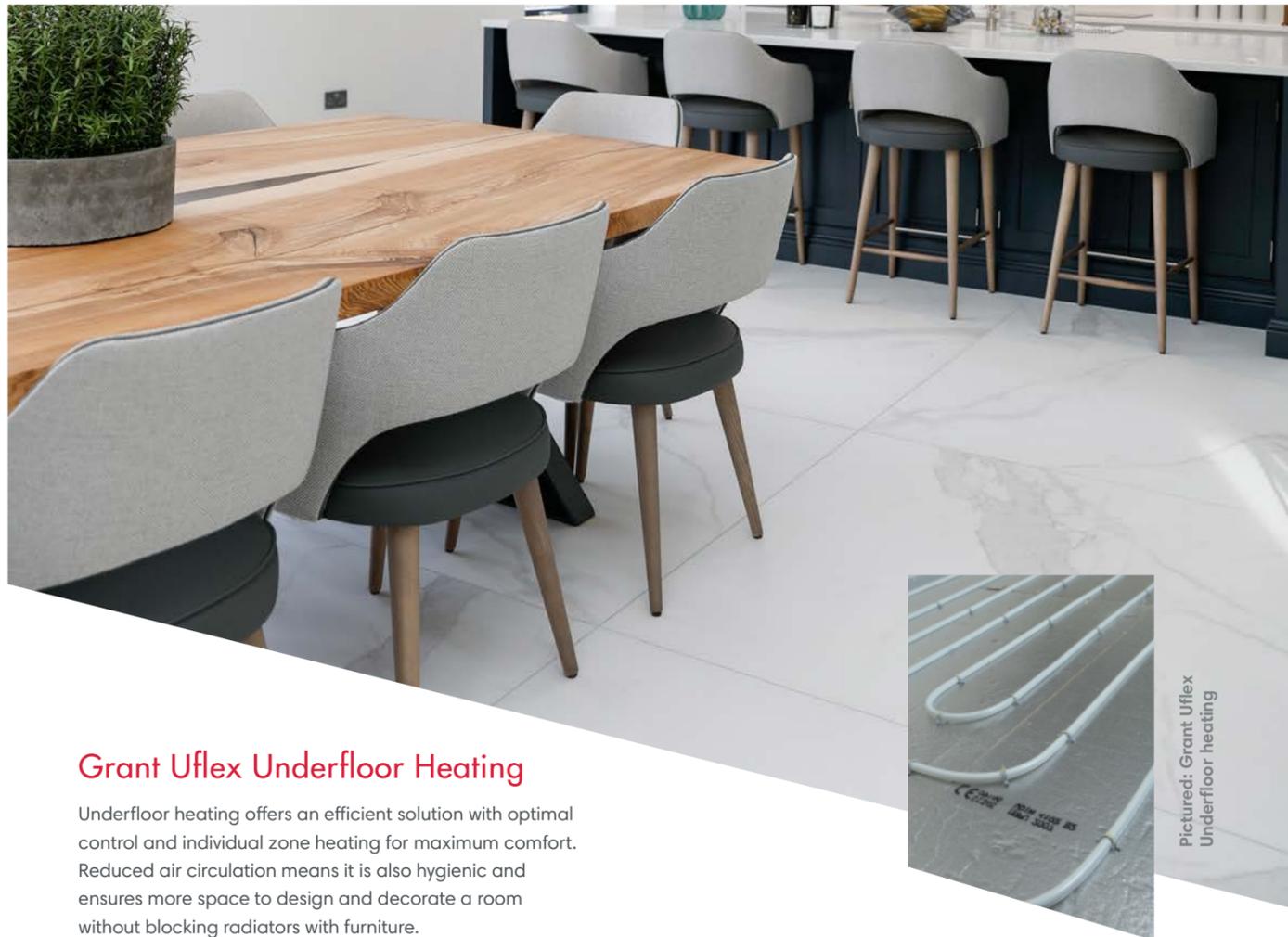
Pictured: Grant Sahara Solar Thermal Collector



Grant Spira Pell 9-33kW Condensing Wood Pellet Boiler



# Upgrade your radiators and consider installing underfloor heating



## Grant Uflex Underfloor Heating

Underfloor heating offers an efficient solution with optimal control and individual zone heating for maximum comfort. Reduced air circulation means it is also hygienic and ensures more space to design and decorate a room without blocking radiators with furniture.

Pictured: Grant Uflex Underfloor heating



Pictured: Grant Afinia 5/80 Horizontal

## Grant Afinia Aluminium Radiators

A room's look is an important consideration for homeowners and today's market offers a range of options, broadening the horizons beyond traditional radiators.

Aluminium radiators, such as the Grant Afinia, offer high efficiency and are compatible with both high and low temperature systems. They feature excellent conductivity and, with vertical and horizontal combinations available, deliver flexibility with installations.



# We're here to help

[www.grant.ie](http://www.grant.ie)

#ThinkHeatingThinkGrant

For over 40 years in Ireland Grant has been designing, manufacturing and supplying innovative home heating solutions to homes throughout the UK and Ireland.

We understand the importance of having a reliable and efficient home heating system that maximises comfort for the homeowner.

Our team is here to help and to be with you every step of the way on your journey to more efficient heating.

## Opening Hours

Mon – Thurs (8am – 4.30pm)  
Friday (8am – 3.30pm)

## Contact Us

ROI - Call **057 912 6963**

Email [heatpump@grantengineering.ie](mailto:heatpump@grantengineering.ie)

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