



## **How To?**

Reduce SAP Dwelling Emission Rates (DER) with Canetis  
GasSaver™ using Elmhurst Design SAP 2012  
(& Stroma Certification)



## Contents

Overview .....	3
How to reduce DER In SAP with Canetis GasSaver using Elmhurst .....	3
APPENDIX – A – Other Supported Boilers .....	10
APPENDIX – B – Using Stroma Certification .....	11

## Document Control & Contact Information

Date: 20<sup>th</sup> February 2018

**Canetis Technologies Limited**

Squirrels Wood  
Reigate Road  
Leatherhead  
Surrey KT22 8QY  
United Kingdom

[info@canetis.io](mailto:info@canetis.io)

O: +44 (0) 1271 812104

## Confidentiality Notice

This document and any attachment hereto is confidential and is solely for the intended recipient. If you are neither the intended recipient nor a designated representative of the intended recipient please contact the document owner, delete this document from your system immediately, destroy any print-out of it and do not use, copy or disseminate the information in or attached to it in any way.

## Overview

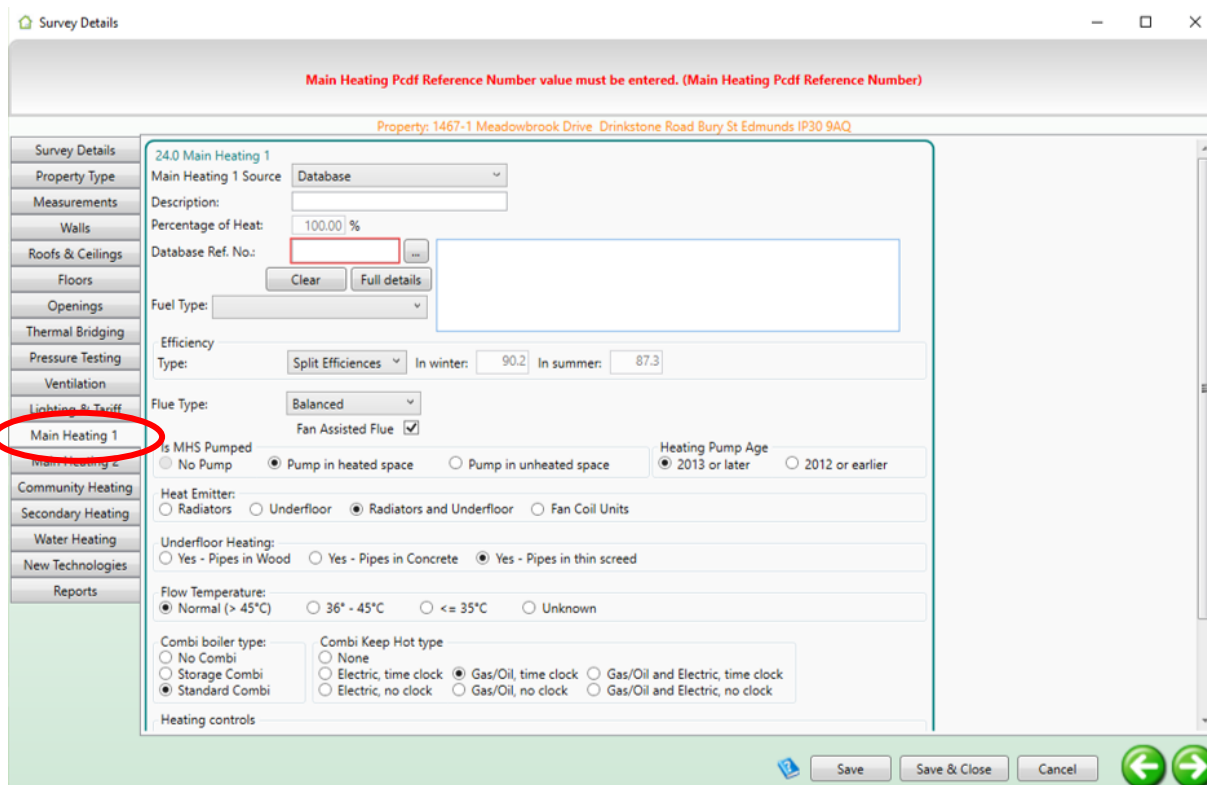
This document describes how to reduce Dwelling Emission Rates (DER) within SAP calculations using the Canetis GasSaver™ and the Elmhurst Design SAP 2012 software package.

Please note that for the best results it is important to compare dwellings that have been specified with a gas boiler both before and after the selection of a Canetis GasSaver™. In this scenario DER reductions of up to 24% are possible dependent upon the exact details of the property in question. Specification of a gas boiler and Canetis GasSaver™ into a scheme which did not previously include a gas boiler may result in DER reductions at a lower level.

*Note: Equivalent outcomes are possible within alternative SAP 2012 software packages by selecting the same boiler and Flue Gas Heat Recovery (FGHR) device as detailed in this document however exact steps for those software applications are not provided here. Screenshots for Stroma Certification are however provided as an appendix to this document.*

## How to reduce DER In SAP with Canetis GasSaver using Elmhurst

When using the Elmhurst Design SAP 2012 software application (screenshot below), within the **Main Heating 1** tab



Survey Details

Property Type

Measurements

Walls

Roofs & Ceilings

Floors

Openings

Thermal Bridging

Pressure Testing

Ventilation

Lighting & Tarrif

**Main Heating 1**

Main Heating 2

Community Heating

Secondary Heating

Water Heating

New Technologies

Reports

24.0 Main Heating 1

Main Heating 1 Source: Database

Description:

Percentage of Heat: 100.00 %

Database Ref. No.: [Redacted]

Fuel Type:

Efficiency Type: Split Efficiencies In winter: 90.2 In summer: 87.3

Flue Type: Balanced Fan Assisted Flue [X]

Is MHS Pumped: [X] No Pump [X] Pump in heated space [ ] Pump in unheated space Heating Pump Age: [X] 2013 or later [ ] 2012 or earlier

Heat Emitter: [ ] Radiators [ ] Underfloor [X] Radiators and Underfloor [ ] Fan Coil Units

Underfloor Heating: [ ] Yes - Pipes in Wood [ ] Yes - Pipes in Concrete [X] Yes - Pipes in thin screed

Flow Temperature: [X] Normal (> 45°C) [ ] 36° - 45°C [ ] ≤ 35°C [ ] Unknown

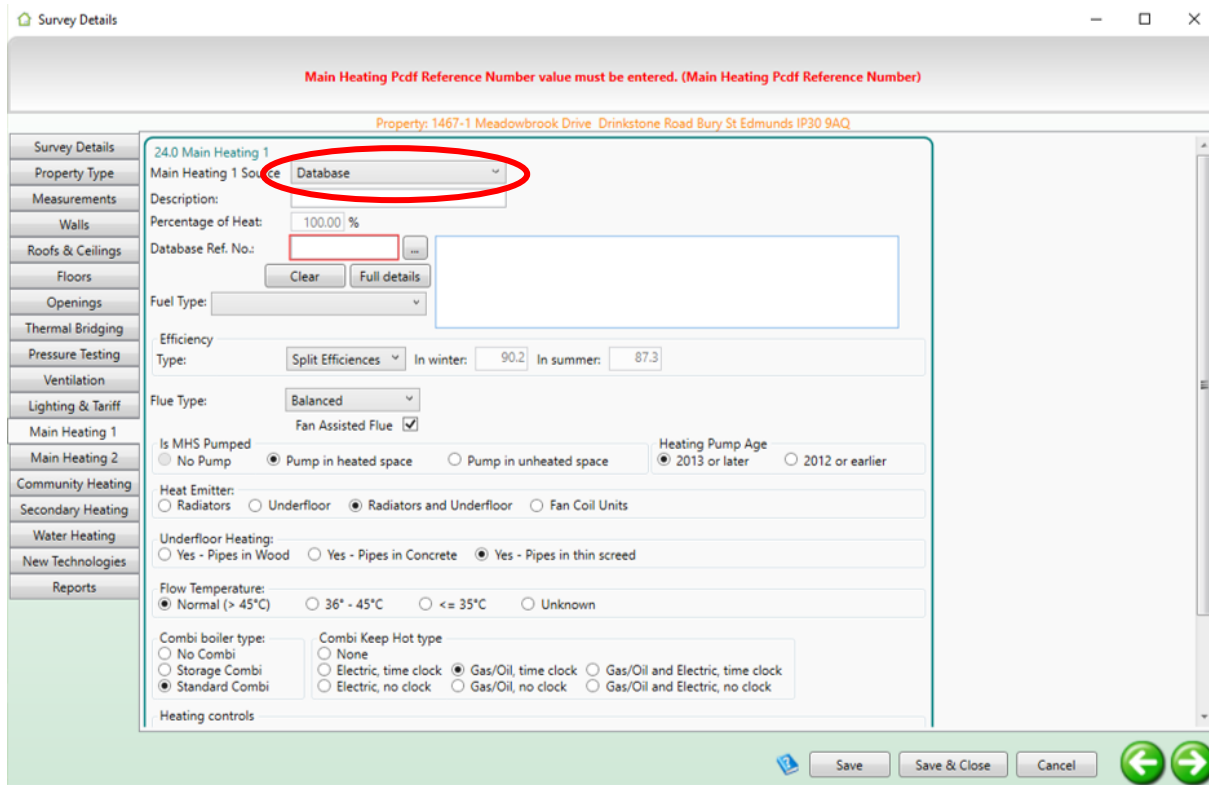
Combi boiler type: [ ] No Combi [ ] Storage Combi [X] Standard Combi

Combi Keep Hot type: [ ] None [X] Electric, time clock [ ] Gas/Oil, time clock [ ] Gas/Oil and Electric, time clock [ ] Electric, no clock [ ] Gas/Oil, no clock [ ] Gas/Oil and Electric, no clock

Heating controls

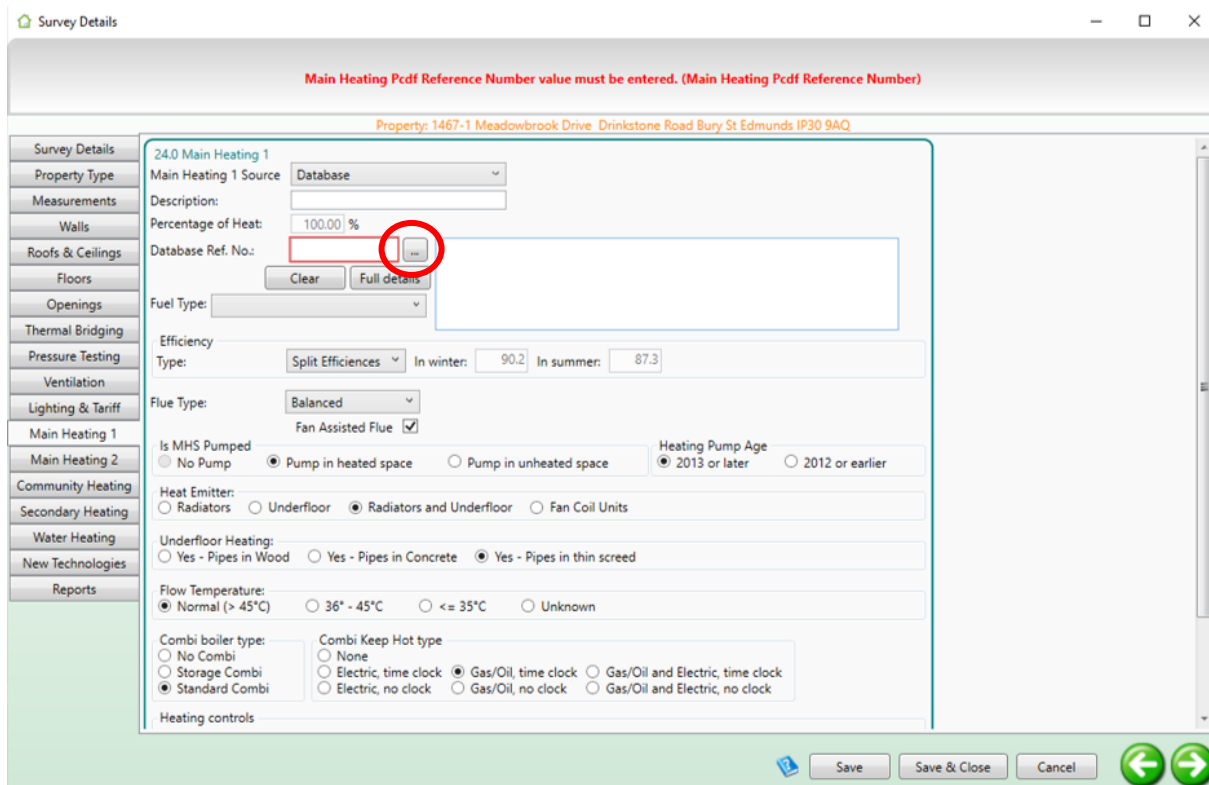
Save Save & Close Cancel

Select **Database** from the *Main Heating 1 Source* (screenshot below):



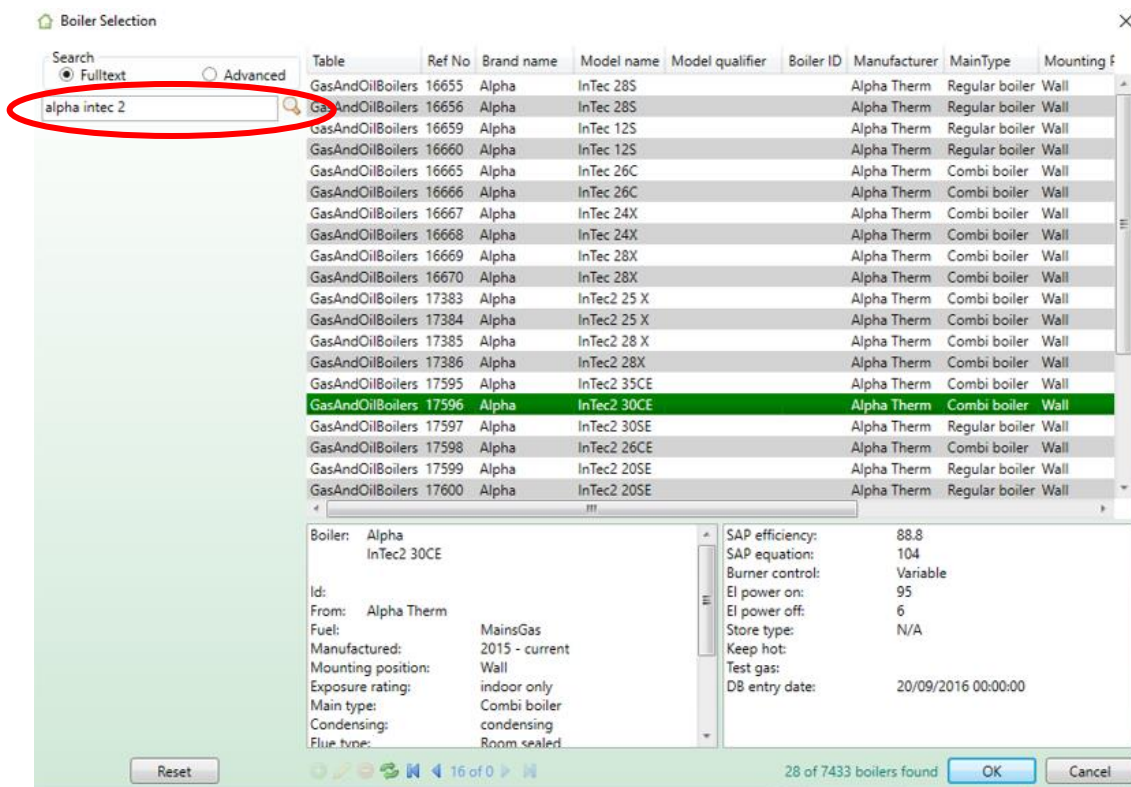
The screenshot shows the 'Survey Details' window for a property at 1467-1 Meadowbrook Drive, Drinkstone Road Bury St Edmunds IP30 9AQ. The 'Main Heating 1 Source' dropdown menu is highlighted with a red circle and set to 'Database'. The 'Database Ref. No.' field is empty, with a red box around the input area and a red circle around the 'Full details' button. The 'Fuel Type' is set to 'Balanced'. The 'Efficiency' type is 'Split Efficiencies' with values of 90.2 in winter and 87.3 in summer. The 'Flue Type' is 'Balanced' with 'Fan Assisted Flue' checked. The 'Is MHS Pumped' section has 'No Pump' selected. The 'Heat Emitter' is 'Radiators and Underfloor'. The 'Underfloor Heating' is 'Yes - Pipes in thin screed'. The 'Flow Temperature' is 'Normal (> 45°C)'. The 'Combi boiler type' is 'Standard Combi'. The 'Combi Keep Hot type' is 'Gas/Oil, time clock'. The 'Heating controls' are 'Gas/Oil, no clock'. The 'Save' button is highlighted with a red box.

Open the list of available boilers from the database by pressing the button circled in red below:



The screenshot shows the 'Survey Details' window for the same property. The 'Main Heating 1 Source' dropdown menu is set to 'Database'. The 'Database Ref. No.' field is empty, and the 'Full details' button is circled in red. The 'Fuel Type' is set to 'Balanced'. The 'Efficiency' type is 'Split Efficiencies' with values of 90.2 in winter and 87.3 in summer. The 'Flue Type' is 'Balanced' with 'Fan Assisted Flue' checked. The 'Is MHS Pumped' section has 'No Pump' selected. The 'Heat Emitter' is 'Radiators and Underfloor'. The 'Underfloor Heating' is 'Yes - Pipes in thin screed'. The 'Flow Temperature' is 'Normal (> 45°C)'. The 'Combi boiler type' is 'Standard Combi'. The 'Combi Keep Hot type' is 'Gas/Oil, time clock'. The 'Heating controls' are 'Gas/Oil, no clock'. The 'Save' button is highlighted with a red box.

From the list of available boilers search for “alpha intec 2” as shown below (remember to press the search button to the right of the input box at this point!):



The screenshot shows the 'Boiler Selection' dialog box. The search input field contains 'alpha intec 2' and is circled in red. The search results table lists various boiler models. The row for 'GasAndOilBoilers 17596 Alpha InTec2 30CE' is highlighted in green. The bottom right corner indicates '28 of 7433 boilers found'.

Table	Ref No	Brand name	Model name	Model qualifier	Boiler ID	Manufacturer	MainType	Mounting f
GasAndOilBoilers	16655	Alpha	InTec 28S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16656	Alpha	InTec 28S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16659	Alpha	InTec 12S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16660	Alpha	InTec 12S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16665	Alpha	InTec 26C			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16666	Alpha	InTec 26C			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16667	Alpha	InTec 24X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16668	Alpha	InTec 24X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16669	Alpha	InTec 28X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16670	Alpha	InTec 28X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17383	Alpha	InTec2 25 X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17384	Alpha	InTec2 25 X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17385	Alpha	InTec2 28 X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17386	Alpha	InTec2 28X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17595	Alpha	InTec2 35CE			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17596	Alpha	InTec2 30CE			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17597	Alpha	InTec2 30SE			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	17598	Alpha	InTec2 26CE			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17599	Alpha	InTec2 20SE			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	17600	Alpha	InTec2 20SE			Alpha Therm	Regular boiler	Wall

Boiler: Alpha InTec2 30CE

Id: InTec2 30CE

From: Alpha Therm

Fuel: MainsGas

Manufactured: 2015 - current

Mounting position: Wall

Exposure rating: indoor only

Main type: Combi boiler

Condensing: condensing

Flue type: Room sealed

SAP efficiency: 88.8

SAP equation: 104

Burner control: Variable

El power on: 95

El power off: 6

Store type: N/A

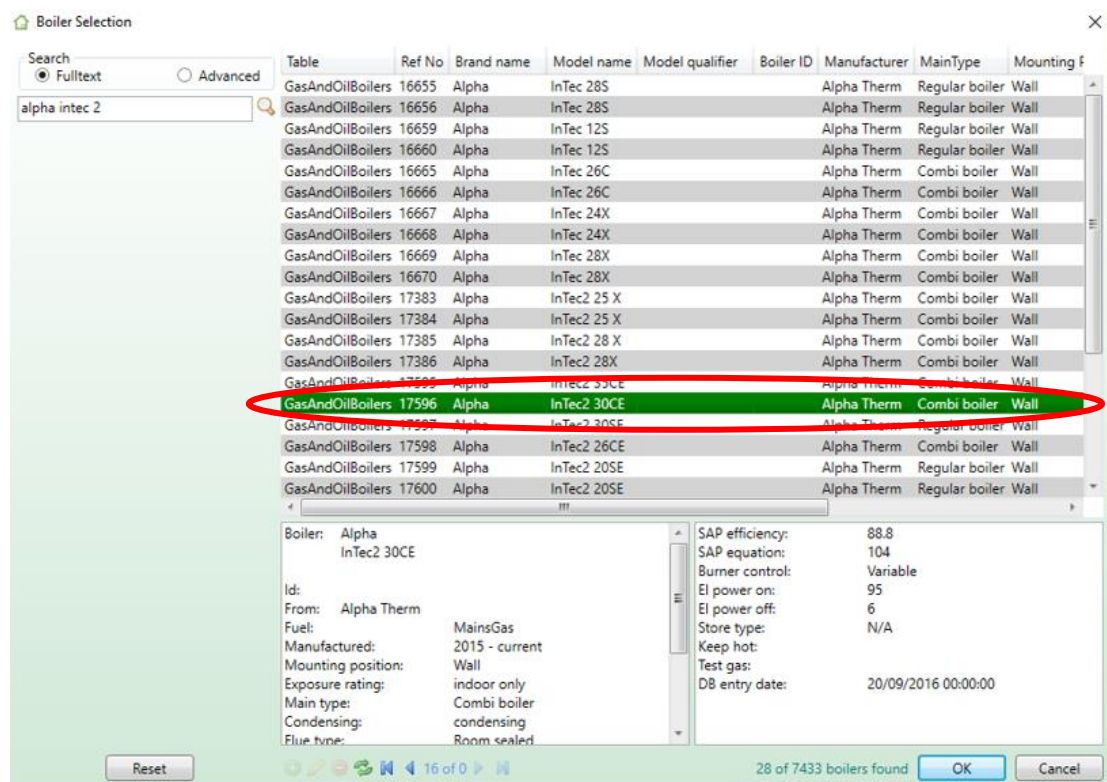
Keep hot:

Test gas:

DB entry date: 20/09/2016 00:00:00

Reset 16 of 0 28 of 7433 boilers found OK Cancel

Select the following boiler: **Ref No. 17596; Brand Name Alpha; Model InTec2 30CE** (other Alpha models are available – please refer to the table in Appendix A for a comprehensive list)



The screenshot shows the 'Boiler Selection' dialog box. The search input field contains 'alpha intec 2'. The row for 'GasAndOilBoilers 17596 Alpha InTec2 30CE' is highlighted in green and circled in red. The bottom right corner indicates '28 of 7433 boilers found'.

Table	Ref No	Brand name	Model name	Model qualifier	Boiler ID	Manufacturer	MainType	Mounting f
GasAndOilBoilers	16655	Alpha	InTec 28S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16656	Alpha	InTec 28S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16659	Alpha	InTec 12S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16660	Alpha	InTec 12S			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	16665	Alpha	InTec 26C			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16666	Alpha	InTec 26C			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16667	Alpha	InTec 24X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16668	Alpha	InTec 24X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16669	Alpha	InTec 28X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	16670	Alpha	InTec 28X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17383	Alpha	InTec2 25 X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17384	Alpha	InTec2 25 X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17385	Alpha	InTec2 28 X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17386	Alpha	InTec2 28X			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17595	Alpha	InTec2 35CE			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17596	Alpha	InTec2 30CE			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17597	Alpha	InTec2 30SE			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	17598	Alpha	InTec2 26CE			Alpha Therm	Combi boiler	Wall
GasAndOilBoilers	17599	Alpha	InTec2 20SE			Alpha Therm	Regular boiler	Wall
GasAndOilBoilers	17600	Alpha	InTec2 20SE			Alpha Therm	Regular boiler	Wall

Boiler: Alpha InTec2 30CE

Id: InTec2 30CE

From: Alpha Therm

Fuel: MainsGas

Manufactured: 2015 - current

Mounting position: Wall

Exposure rating: indoor only

Main type: Combi boiler

Condensing: condensing

Flue type: Room sealed

SAP efficiency: 88.8

SAP equation: 104

Burner control: Variable

El power on: 95

El power off: 6

Store type: N/A

Keep hot:

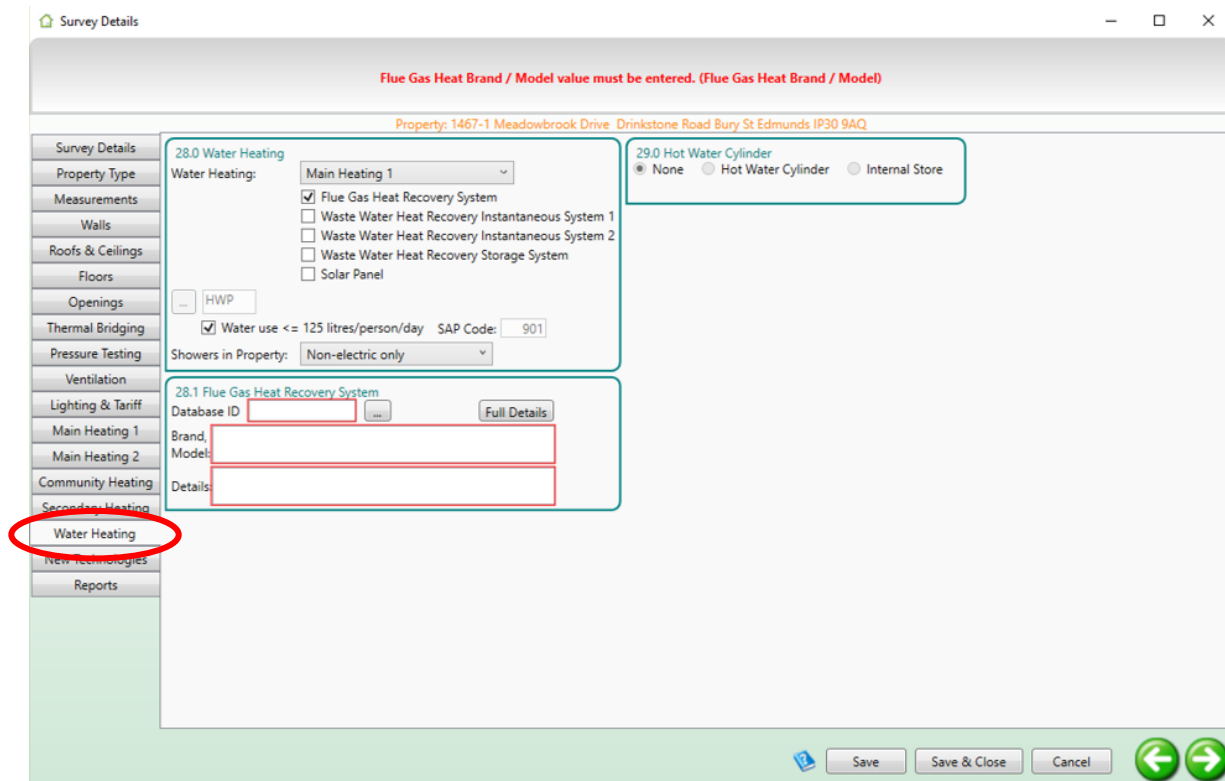
Test gas:

DB entry date: 20/09/2016 00:00:00

Reset 16 of 0 28 of 7433 boilers found OK Cancel

Press “OK”

From the **Water Heating** tab:



Survey Details

Flue Gas Heat Brand / Model value must be entered. (Flue Gas Heat Brand / Model)

Property: 1467-1 Meadowbrook Drive Drinkstone Road Bury St Edmunds IP30 9AQ

28.0 Water Heating

Water Heating: Main Heating 1

☒ Flue Gas Heat Recovery System

☐ Waste Water Heat Recovery Instantaneous System 1

☐ Waste Water Heat Recovery Instantaneous System 2

☐ Waste Water Heat Recovery Storage System

☐ Solar Panel

☐ HWP

☒ Water use <= 125 litres/person/day SAP Code: 901

Showers in Property: Non-electric only

29.0 Hot Water Cylinder

☒ None ☐ Hot Water Cylinder ☐ Internal Store

28.1 Flue Gas Heat Recovery System

Database ID:  Full Details

Brand:

Model:

Details:

Survey Details

Property Type

Measurements

Walls

Roofs & Ceilings

Floors

Openings

Thermal Bridging

Pressure Testing

Ventilation

Lighting & Tariff

Main Heating 1

Main Heating 2

Community Heating

Secondary Heating

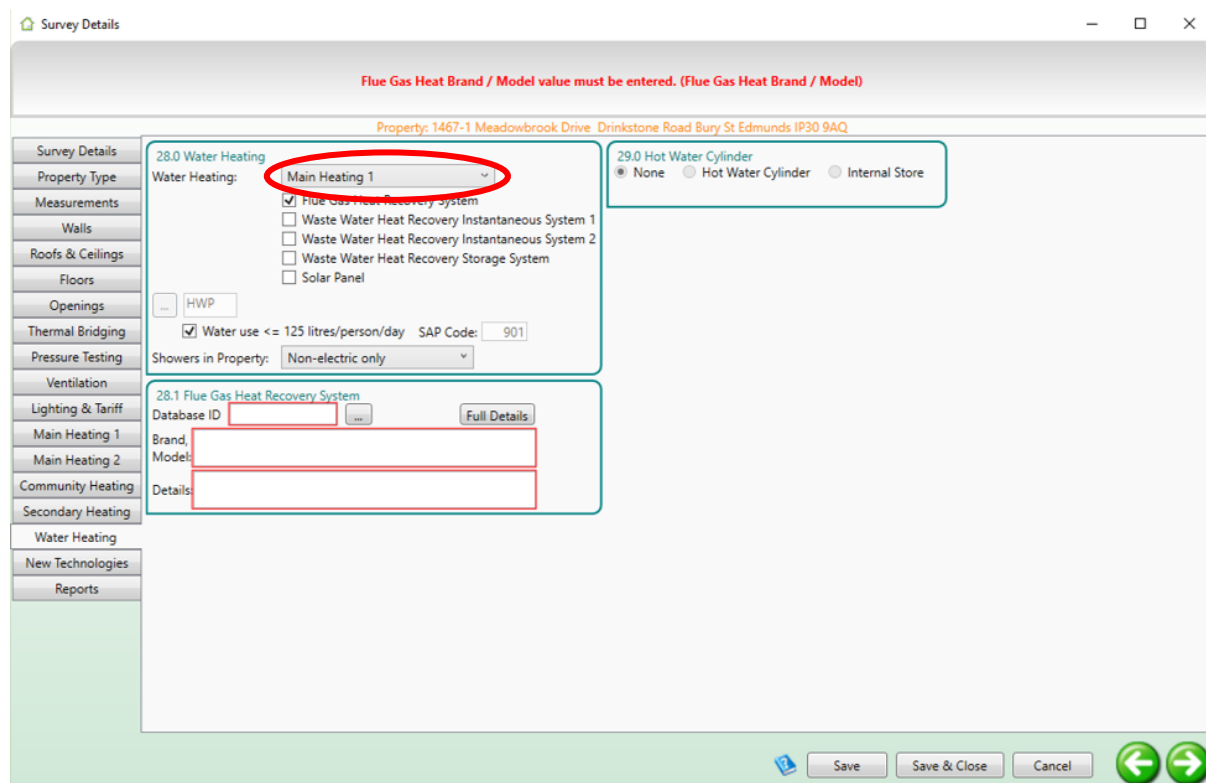
Water Heating

New Technologies

Reports

Save Save & Close Cancel

Select **Main Heating 1** from *Water Heating* as shown below:



Survey Details

Flue Gas Heat Brand / Model value must be entered. (Flue Gas Heat Brand / Model)

Property: 1467-1 Meadowbrook Drive Drinkstone Road Bury St Edmunds IP30 9AQ

28.0 Water Heating

Water Heating: Main Heating 1

☒ Flue Gas Heat Recovery System

☐ Waste Water Heat Recovery Instantaneous System 1

☐ Waste Water Heat Recovery Instantaneous System 2

☐ Waste Water Heat Recovery Storage System

☐ Solar Panel

☐ HWP

☒ Water use <= 125 litres/person/day SAP Code: 901

Showers in Property: Non-electric only

29.0 Hot Water Cylinder

☒ None ☐ Hot Water Cylinder ☐ Internal Store

28.1 Flue Gas Heat Recovery System

Database ID:  Full Details

Brand:

Model:

Details:

Survey Details

Property Type

Measurements

Walls

Roofs & Ceilings

Floors

Openings

Thermal Bridging

Pressure Testing

Ventilation

Lighting & Tariff

Main Heating 1

Main Heating 2

Community Heating

Secondary Heating

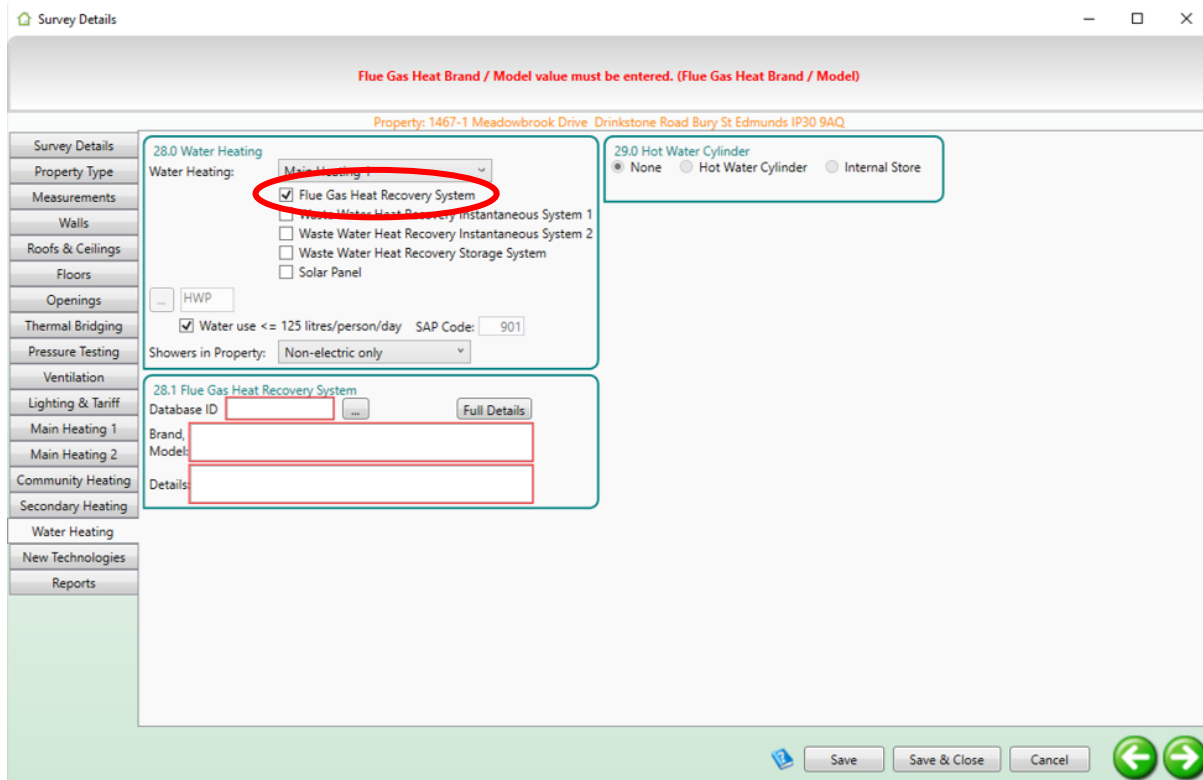
Water Heating

New Technologies

Reports

Save Save & Close Cancel

Select **Flue Gas Heat Recovery System** as shown below:



Survey Details

Flue Gas Heat Brand / Model value must be entered. (Flue Gas Heat Brand / Model)

Property: 1467-1 Meadowbrook Drive Drinkstone Road Bury St Edmunds IP30 9AQ

Survey Details  
Property Type  
Measurements  
Walls  
Roofs & Ceilings  
Floors  
Openings  
Thermal Bridging  
Pressure Testing  
Ventilation  
Lighting & Tariff  
Main Heating 1  
Main Heating 2  
Community Heating  
Secondary Heating  
Water Heating  
New Technologies  
Reports

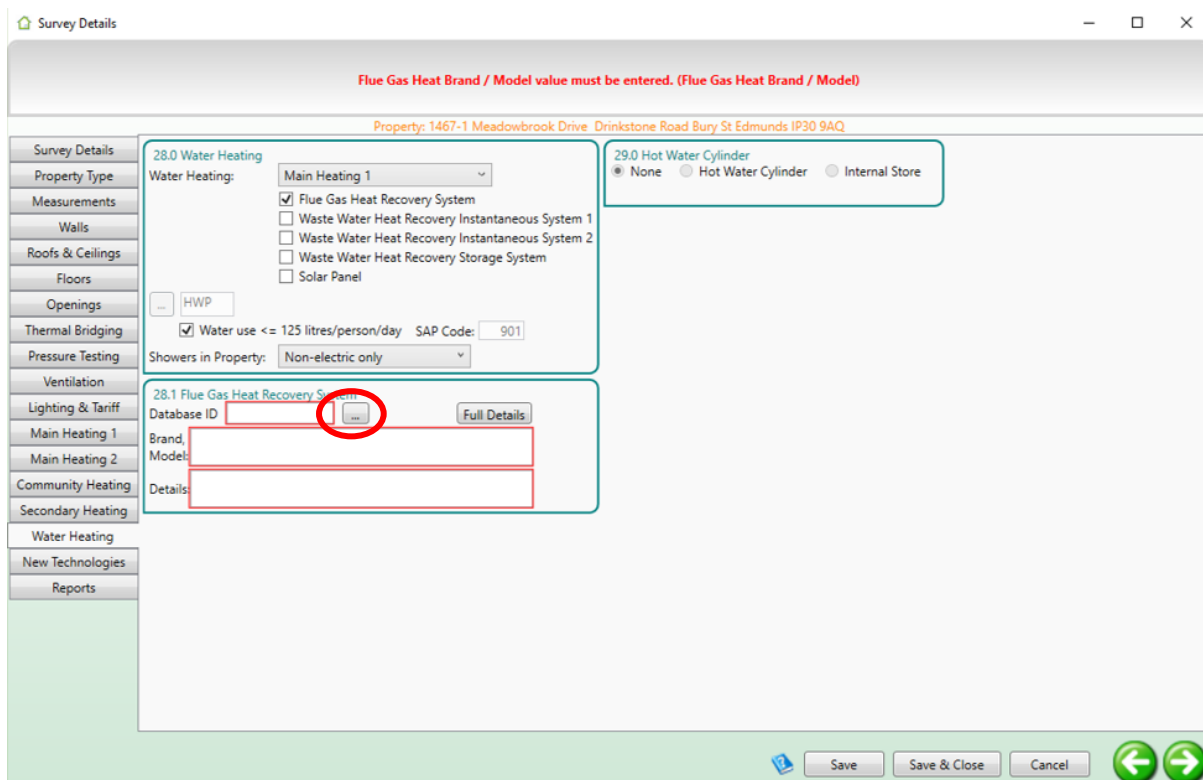
28.0 Water Heating  
Water Heating: Main Heating 1  
☒ Flue Gas Heat Recovery System  
☐ Waste Water Heat Recovery Instantaneous System 1  
☐ Waste Water Heat Recovery Instantaneous System 2  
☐ Waste Water Heat Recovery Storage System  
☐ Solar Panel  
HWP  
☒ Water use <= 125 litres/person/day SAP Code: 901  
Showers in Property: Non-electric only

29.0 Hot Water Cylinder  
☒ None ☐ Hot Water Cylinder ☐ Internal Store

28.1 Flue Gas Heat Recovery System  
Database ID  
Brand  
Model  
Details  
Full Details

Save Save & Close Cancel

Open the list of available *Flue Gas Heat Recovery Systems* by pressing the button circled in red below:



Survey Details

Flue Gas Heat Brand / Model value must be entered. (Flue Gas Heat Brand / Model)

Property: 1467-1 Meadowbrook Drive Drinkstone Road Bury St Edmunds IP30 9AQ

Survey Details  
Property Type  
Measurements  
Walls  
Roofs & Ceilings  
Floors  
Openings  
Thermal Bridging  
Pressure Testing  
Ventilation  
Lighting & Tariff  
Main Heating 1  
Main Heating 2  
Community Heating  
Secondary Heating  
Water Heating  
New Technologies  
Reports

28.0 Water Heating  
Water Heating: Main Heating 1  
☒ Flue Gas Heat Recovery System  
☐ Waste Water Heat Recovery Instantaneous System 1  
☐ Waste Water Heat Recovery Instantaneous System 2  
☐ Waste Water Heat Recovery Storage System  
☐ Solar Panel  
HWP  
☒ Water use <= 125 litres/person/day SAP Code: 901  
Showers in Property: Non-electric only

29.0 Hot Water Cylinder  
☒ None ☐ Hot Water Cylinder ☐ Internal Store

28.1 Flue Gas Heat Recovery System  
Database ID  
Brand  
Model  
Details  
Full Details

Save Save & Close Cancel



Search for “alp” from the displayed list

Flue Gas Heat Recovery System Filter

Full text search: alp

Manufacturer Ref Number	Brand Name	Model Name	Model Qualifier	Manufacturer Name	Test Fuel	First Year	Final Year
20029	Alpha	FlowSmart	FS-25	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	Gas-Saver	GS-2-ALPCD	Alpha Therm Limited	1	2016	current
20029	Alpha	Gas-Saver	GS-2-ALPCD	Alpha Therm Limited	1	2016	current
20029	Alpha	Intec	30GS/40GS	Alpha Heating Innovation Ltd	1	2011	current
20029	Alpha	Intec	30GS/40GS	Alpha Heating Innovation Ltd	1	2011	current

OK Cancel

Select Brand Name **Alpha**; Model Name **GasSaver**; Model Qualifier **GS-2 ALPCD**

Flue Gas Heat Recovery System Filter

Full text search: alp

Manufacturer Ref Number	Brand Name	Model Name	Model Qualifier	Manufacturer Name	Test Fuel	First Year	Final Year
20029	Alpha	FlowSmart	FS-25	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	Gas-Saver	GS-2-ALPCD	Alpha Therm Limited	1	2016	current
20029	Alpha	Gas-Saver	GS-2-ALPCD	Alpha Therm Limited	1	2016	current
20029	Alpha	Intec	30GS/40GS	Alpha Heating Innovation Ltd	1	2011	current
20029	Alpha	Intec	30GS/40GS	Alpha Heating Innovation Ltd	1	2011	current

OK Cancel



Press “OK”

Flue Gas Heat Recovery System Filter

Full text search:

Manufacturer Ref Number	Brand Name	Model Name	Model Qualifier	Manufacturer Name	Test Fuel	First Year	Final Year
20029	Alpha	FlowSmart	FS-25	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-25-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	FlowSmart	FS-50-PV1	Alpha Heating Innovation Ltd	1	2008	current
20029	Alpha	Gas-Saver	GS-2-ALPCD	Alpha Therm Limited	1	2016	current
20029	Alpha	Gas-Saver	GS-2-ALPCD	Alpha Therm Limited	1	2016	current
20029	Alpha	Intec	30GS/40GS	Alpha Heating Innovation Ltd	1	2011	current
20029	Alpha	Intec	30GS/40GS	Alpha Heating Innovation Ltd	1	2011	current

OK Cancel

**Voila! Your calculated DER will be reduced due to the benefits of the Canetis GasSaver™**

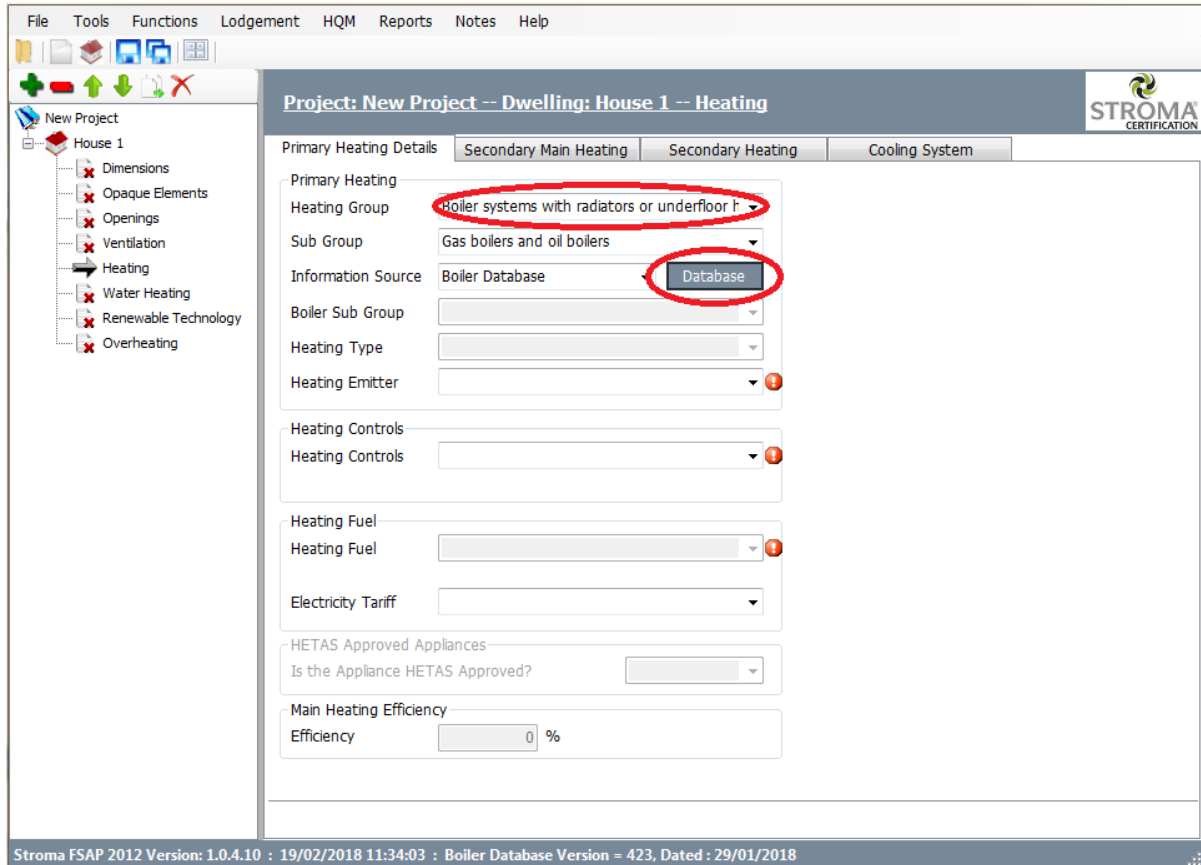
## APPENDIX – A – Other Supported Boilers

The following list of Alpha boilers can also be selected within the SAP system to obtain similar DER reductions –

Boiler Name	Boiler Type	GasSaver™ Name	Comments
Alpha, InTec2 35CE	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec2 30CE	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec2 30SE	Regular	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec2 26CE	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec2 20SE	Regular	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, Eco2 Plus	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec2 25XE	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec2 28XE	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, E-Tec , 33	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, E-Tec , 28	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, Evoke , 33	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, Evoke , 28	Combi	Alpha, Gas-Saver , GS-2-ALPCD	Separately fitted on top of Boiler
Alpha, InTec 40GS2	Combi	Alpha, Gas-Saver , GS-2-ALPCD	GasSaver™ integrated within boiler. No need to select GasSaver from FGHR section of SAP system as the benefits are already included in the boiler selection

## APPENDIX – B – Using Stroma Certification

The following screenshots outline how to achieve the same benefits using an alternative SAP assessment software tool – Stroma Certification.



The screenshot displays the Stroma Certification software interface for a new project. The main window is titled "Project: New Project -- Dwelling: House 1 -- Heating". The left sidebar shows a tree view of the project structure, including "New Project", "House 1", and various sub-elements like "Dimensions", "Opaque Elements", "Openings", "Ventilation", "Heating", "Water Heating", "Renewable Technology", and "Overheating". The main panel is divided into tabs: "Primary Heating Details", "Secondary Main Heating", "Secondary Heating", and "Cooling System". The "Primary Heating Details" tab is active, showing a form for configuring the heating system. The form includes the following fields:

- Heating Group:** A dropdown menu with the selected value "Boiler systems with radiators or underfloor heating".
- Sub Group:** A dropdown menu with the selected value "Gas boilers and oil boilers".
- Information Source:** A dropdown menu with the selected value "Database".
- Boiler Sub Group:** A dropdown menu.
- Heating Type:** A dropdown menu.
- Heating Emitter:** A dropdown menu.
- Heating Controls:** A dropdown menu.
- Heating Fuel:** A dropdown menu.
- Electricity Tariff:** A dropdown menu.
- HETAS Approved Appliances:** A section with a dropdown menu for "Is the Appliance HETAS Approved?".
- Main Heating Efficiency:** A section with a text input field for "Efficiency" set to "0 %".

The status bar at the bottom of the window displays the following information: "Stroma FSAP 2012 Version: 1.0.4.10 : 19/02/2018 11:34:03 : Boiler Database Version = 423, Dated : 29/01/2018".

**Boiler Database.**

Simple Search Detailed Search **Boiler Database Version = 423, Dated :**

Search Criteria **alpha intec 2 30**

The search is a character search, it is not necessary to enter all the boiler details in order to find the right boiler.

e.g. Glow worm Spacesaver 60 mark II, rather than enter all the details, you can search for parts of the model information. Enter - glow space 60. The results show all boilers with this text in the database.  
Click 'Show Details' to see full boiler information, if it is the correct boiler click confirm and the details will be entered into the main page of the software

Search

Currently Showing 4 out of 6340

Cancel Confirm Hide Details >>

ID	RefNo	ProductType	EntryUpdate
<b>017596</b>	000001	normal	2016/Sep/20 00...
017597	000001	normal	2016/Sep/20 00...
017602	000001	normal	2016/Sep/20 00...
017603	000001	normal	2016/Sep/20 00...

Index	017596
Manufacturer Refer...	000001
DB Entry Updated	2016/Sep/20 00:00
Manufacturer Name	Alpha
Brand Name	Alpha
Model Name	<b>InTec2 30CE</b>
ModelQualifier	
Boiler ID	
First Year of Manufa...	2015
Final Year of Manufa...	current
Fuel	Gas
Mount Position	Wall
Exposure Rating	Unknown
Main Type	Combi

File Tools Functions Lodgement HQM Reports Notes Help

Project: New Project -- Dwelling: House 1 -- Water Heating

Water Heating Solar Panel Details WWHRS **FGHRS**

Water Heating  
Hot Water System **From main heating system**  
Water Heating Fuel mains gas

Cylinder Specification  
Cylinder Volume litres  
Specify Manufacturer loss factor  
Declared loss factor kWh/day  
Insulation Type  
Insulation Thickness mm  
Cylinder in Heated Space  
Cylinderstat  
Primary Pipework Insulated  
Insulated Amount  
Water Heating Timed Separately  
Summer Immersion  
Immersion Type

Heat Pump Immersion  
Includes use of Immersion  
Cylinder heat exchanger area

CPSU Specification  
CPSU Operating Temperature °C

HWS Only Community Scheme Details  
☐ Cylinder within dwelling  
Charging System  
Boiler 1 Efficiency %  
CHP Power Efficiency  
Heat Distribution System  
No. of Additional Heat Sources  
☐ Known loss

Details from Database ☐  
System Selection  
Boiler 1 Heat Fraction  
Type of Combi Boiler  
Combi Boiler Type

Thermal Store/CPSU Information  
☐ Cylinder is Thermal Store  
Thermal Store Type  
Location  
Separate boiler and thermal store connected by:  
Type of Combi Boiler  
Combi Boiler Type

Stroma FSAP 2012 Version: 1.0.4.10 : 19/02/2018 11:34:03 : Boiler Database Version = 423, Dated : 29/01/2018

File Tools Functions Lodgement HQM Reports Notes Help

Project: New Project -- Dwelling: House 1 -- Water Heating

Water Heating Solar Panel Details WWHRS **FGHRS**

Flue Gas Heat Recovery System (FGHRS) Details  
☒ FGHRS Present **FGHRS Selection**

FGHRS Selection

Directly Powered Photovoltaic  
Installed Peak Power kWp  
Tilt of Collector  
Collector Orientation  
Overshading

FGHRS System Test Details

Stroma FSAP 2012 Version: 1.0.4.10 : 19/02/2018 11:34:03 : Boiler Database Version = 423, Dated : 29/01/2018

