Evomod

Floor Standing Condensing Boilers

www.idealcommercialheating.com

Commercial Boiler Solutions

Ideal Commercial Boilers Solutions

Ideal Commercial Boilers is one of the most respected names in the UK commercial and domestic heating industry, operating from its Hull manufacturing plant and offices since 1906, Ideal Commercial Boilers is one of the few true British Manufacturers left in the heating industry.

With over 100 years of manufacturing experience, you can be confident to know that our capabilities stretch beyond traditional boiler technologies and now include a wide range of new energy solutions in the form of photovoltaics, solar thermal and heat pumps; all perfectly designed to meet your individual building requirements. Our products are easy to specify, simple to install & maintain and most importantly are reliable.

The Commercial Boilers Team

As industry leaders, Ideal Commercial Boilers are committed to ensuring that all products are engineered to the highest standards. From dedicated one-to-one support throughout the design, planning and after sales service stages, you can be confident to know that we can provide you with the Ideal Commercial Boilers and hot water solution.

Contents

Training & Support

FM 59915

OHS 593264

Evomod 250 - 1000 kW

Modular / Condensing

Evomod 250 - 1000 kW

Available in 250, 500, 750 and 1000 kW modules, the Evomod will achieve an output up to 1MW from a single unit solution together with a minimum footprint that enables the product to be installed where space is limited. Each module provides a maximum of 250 kW heat output and will modulate down through a sophisticated control system.

Features and benefits

- Modules up to 3 high stacking
- Stainless steel heat exchanger
- Built in module diagnostics, sequencing and remote indication
- Plain text display for fast and easy use
- Single flue outlet, system, gas and electrical connections
- Up to 20:1 turndown
- Easy access for servicing
- Minimum footprint with easy site handling and standard doorway access
- NOx <40mg/kWh (Class 5) for maximum BREEAM points
- 2 year parts and labour warranty
- Up to 108.5% nett efficiency (fully condensing)
- Single boiler control for all module options

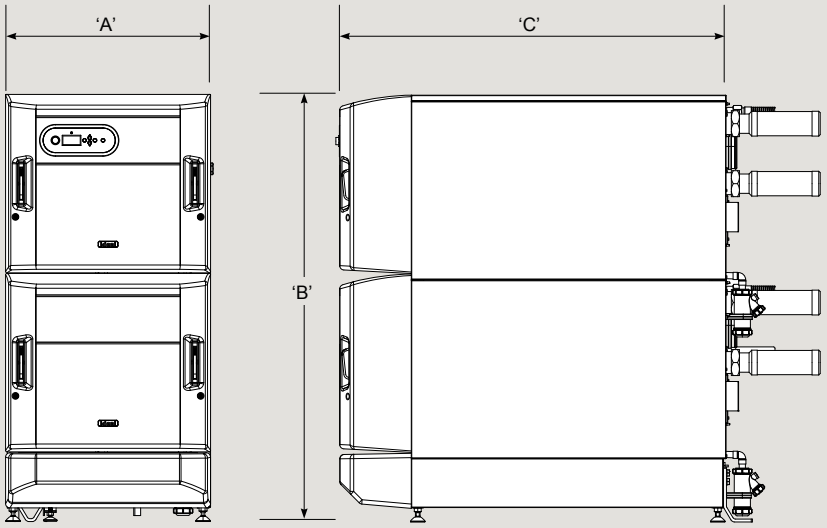
Qualified for Energy Technology List
www.eca.gov.uk
TM
Authorised User No. 00041

Dimensions and clearances

Boiler	Dim A	Dim B	Dim C
250	710	860	1399
500	710	1480	1399
750	710	2100	1399
1000	1420	1428	1399

The following minimum clearances must be maintained for operation and servicing.

Top of boiler - 300mm
Left of boiler - 400mm
Right of boiler - 450mm
Rear of boiler - 750mm
Front of boiler - 600mm



All dimensions in mm

For full details of all configurations & specifications, please refer to the installation manual.

Evomod 250 - 1000 kW

Performance data

Model			250	500	750	1000
Boiler Output (non-condensing) Mean 70°C (80/60)	Max	kW	232.5	465	697.5	930
		Btu/hr	793,378	1,586,774	2,350,184	3,173,512
	Min	kW	46.7	46.7	46.7	46.7
		Btu/hr	159,325	159,325	159,325	159,325
Boiler Output (condensing) Mean 40°C (50/30)	Max	kW	252.5	505	757.5	1010
		Btu/hr	861,530	1,723,060	2,584,590	3,446,120
	Min	kW	51.4	51.4	51.4	51.4
		Btu/hr	175,404	175,404	175,404	175,404
Boiler Input Max Rate	Nett	kW	238	476	714	952
		Btu/hr	812,056	1,624,112	2,486,168	3,248,224 264.1
	Gross	kW	264.1	523.2	792.3	1056.4
		Btu/hr	901,109	1,802,218	2,703,327	3,604,436
Boiler Input Min Rate	Nett	kW	47.6	47.6	47.6	47.6
		Btu/hr	162,411	162,411	162,411	162,411
	Gross	kW	52.8	52.8	52.8	52.8
		Btu/hr	180,256	180,256	180,256	180,256
Gas Rate	Max Rate	m^3/hr	25.2	50.4	75.6	100.8
		ft^3/hr	889.9	1779.8	2,669.7	3,559.6
Approx. flue gas volume (@80°C)	Max Rate i.e. non-condensing	m^3/hr	391	783	1174	1566
		ft^3/hr	13,808	27,615	41,459	55,303
Max. Flue Resistance		Pa	105	105	105	105
Flue Gas CO_2 G20/LNG	Max Rate	%	9.1 ±0.2	9.1 ±0.2	9.1 ±0.2	9.1 ±0.2
	Min Rate	%	8.4 ±0.2	8.4 ±0.2	8.4 ±0.2	8.4 ±0.2
NOx with O2 = 0%		mg/kWh	39.7	39.7	39.7	39.7
		ppm	22.5	22.5	22.5	22.5
Seasonal Boiler Efficiency	(Building Regs L2)	%	95.9	95.9	95.9	95.9
Operating Temperature	Max	°C	80			

Included as standard

Boiler	Evomod
Remote indication (run & alarm)	✓
Hours run	✓
BMS (0-10v) operation	✓
Pump overrun	✓
Large backlit LCD controls, including 5 line plain text display	✓

Optional kits

Boiler	Evomod
Water & gas header assembly packaged	✓
Water & gas header assembly c/w valves packaged	✓
Water connection kit (250)*	✓
Air inlet collar	✓

* If you do not order the water & gas header assembly c/w valves packaged, you must order the water connection kit.

General data

Model		250	500	750	1000
Gas Supply		2H - G20 - 20mbar			
Gas Supply Connection	(in. BSP)	R1¼	R2	R2	R2 ½
Flow Connection	(in. BSP)	2½" PN16	5" PN16	5" PN16	5" PN16
Return Connection	(in. BSP)	2½" PN16	5" PN16	5" PN16	5" PN16
Hydraulic Resistance @ 20˚C	mbar	410	410	410	410
Hydraulic Resistance @ 20˚C with optional water header pack	mbar	100	105	110	120
Max Press (sealed system)	bar (psi)	6 (87)			
Maximum Static Head	m (ft)	61 (200)			
Boiler Electricity Supply		230V - 50Hz			
Boiler Fuse Rating		1 x 5A Internal	2 x 5A Internal	3 x 5A Internal	4 x 5A Internal
Power Consumption (boiler only)	W	350	680	1020	1350
Air Inlet (optional)	O/D mm	300	300	300	300 x 2
Flue Size dia	mm	150	250	250	300
Condensate drain	mm	21.5	2 x 21.5	3 x 21.5	4 x 21.5
Boiler dry weight (unpacked exc. headers)	kg	229	420	611	845
Water Content	l (gal)	14.8 (3.26)	29.6 (6.52)	44.4 (9.78)	59.2 (13.0)
IP Rating		IP20			

Electricity supply and Fuse rating for pumps etc. refer to manufacturer's instructions.

Note. Natural gas consumption is calculated using a calorific value of 37.8MJ/m^3 (1038Btu/ft^3) gross or 34 MJ/m^3 (910 Btu/ft^3) nett at 15˚C and 1013.25 mbar.
a. For l/s divide the gross heat input (kW) by the gross C.V. of the gas (MJ/m^3)
b. For ft/h^3 divide the gross heat input (Btu/h) by the gross C.V. of the gas (Btu/ft^3)
c. For M^3/h multiply L/S by 3.6.

Boiler Clearances

The minimum dimensions as indicated must be respected to ensure good access around the boiler.

Recommended minimum clearances are as follows.

Rear: 750mm or adequate space from the rear of the jacket to make the **flue connections, drain connection, flue and any safety or control devices.**

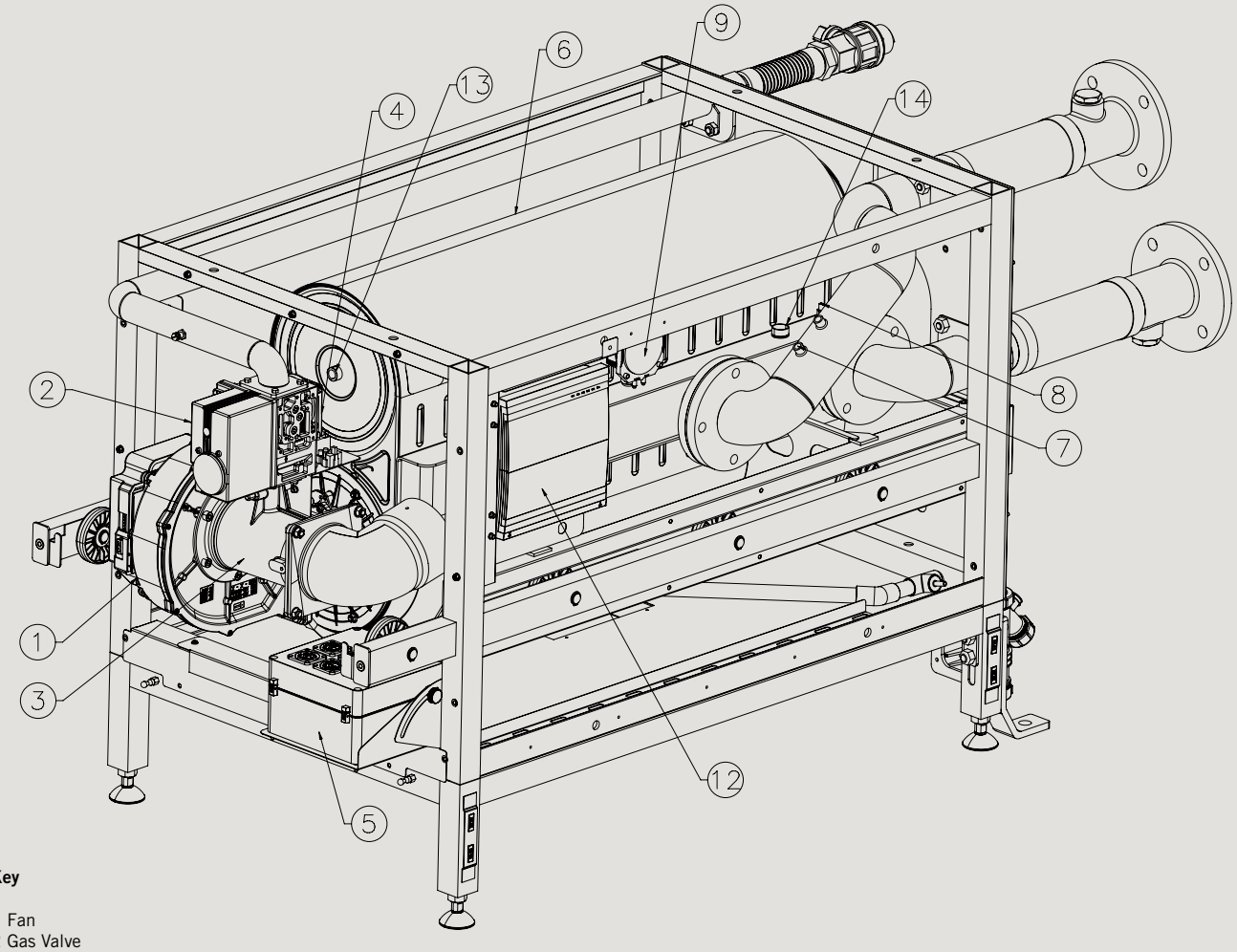
Left Side: 400mm

Right Side: 450mm

Front: 600mm for normal service and replacement of components. However, it is noted that 1.2m is required in the event of heat exchanger replacement.

Top: 300mm
(clearance above boiler casing).

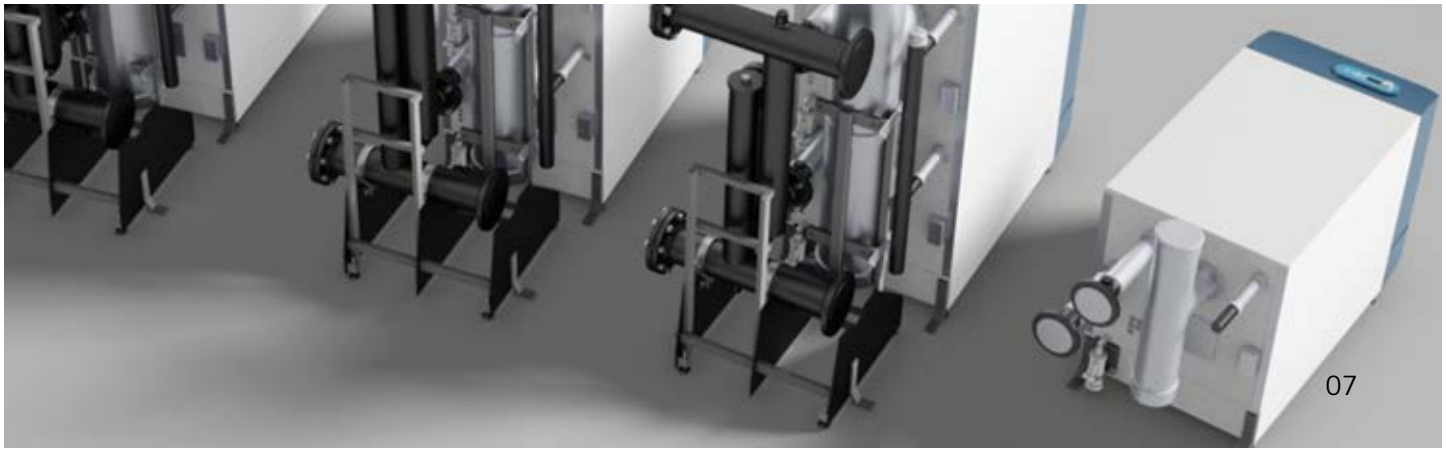
Boiler assembly - exploded view



Key

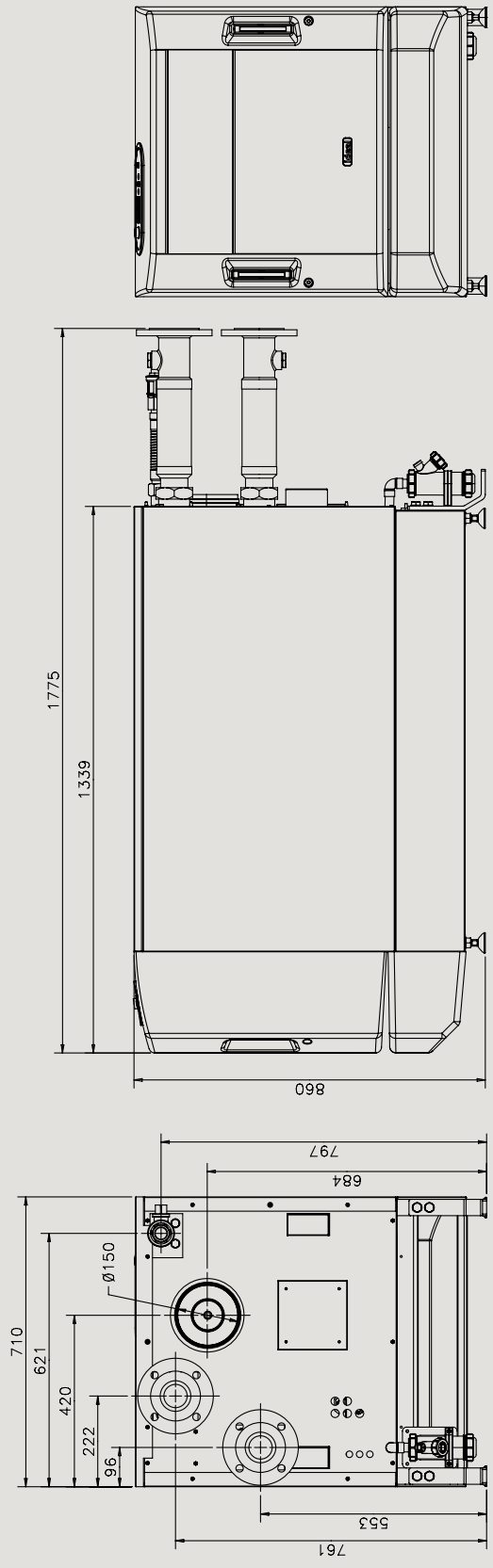
1 Fan
2 Gas Valve
3 Venturi
4 Burner Sequence Controller
5 Mains Connection Box
6 Heat exchanger
7 Thermistor (flow)
8 Thermistor (return)
9 Condensate Blockage Pressure Switch
10 Ignition Electrode*
11 Detection electrode*
12 Varican Control
13 Flue Sampling Point
14 Water Pressure Switch

* Unable to label on diagram items 10 & 11 as they are inside the heat exchanger.



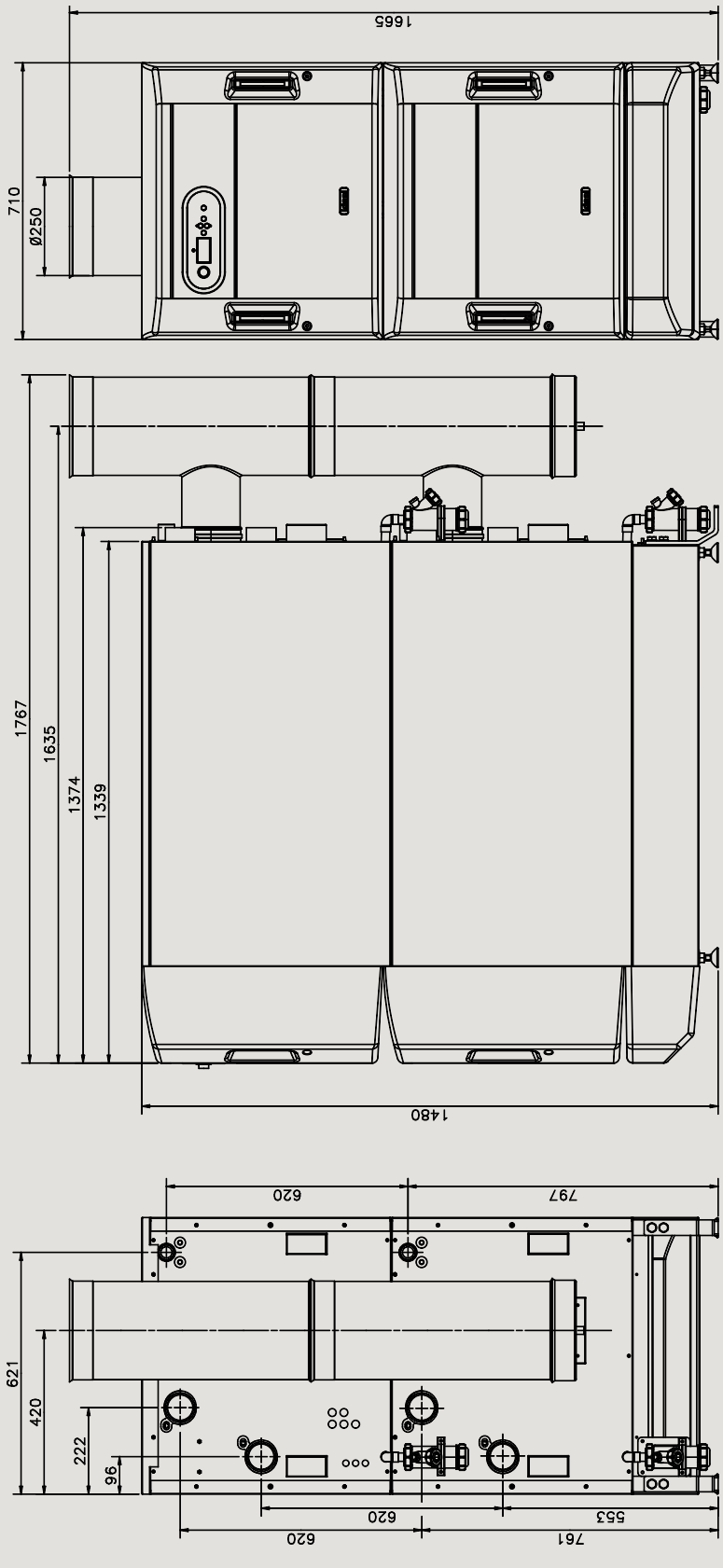
Evomod 250 - Dimensions

All dimensions shown in mm



Evomod 500 - Dimensions

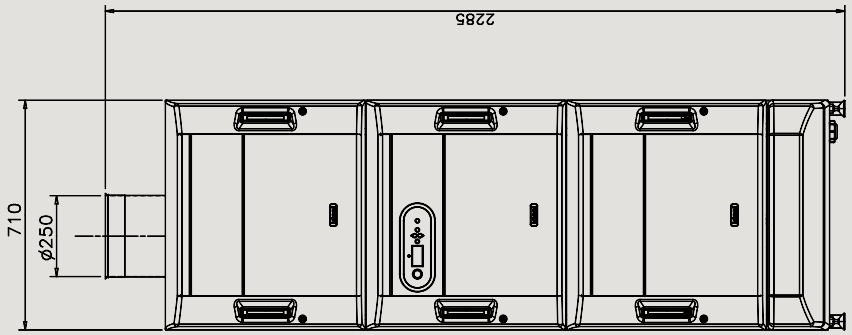
All dimensions shown in mm



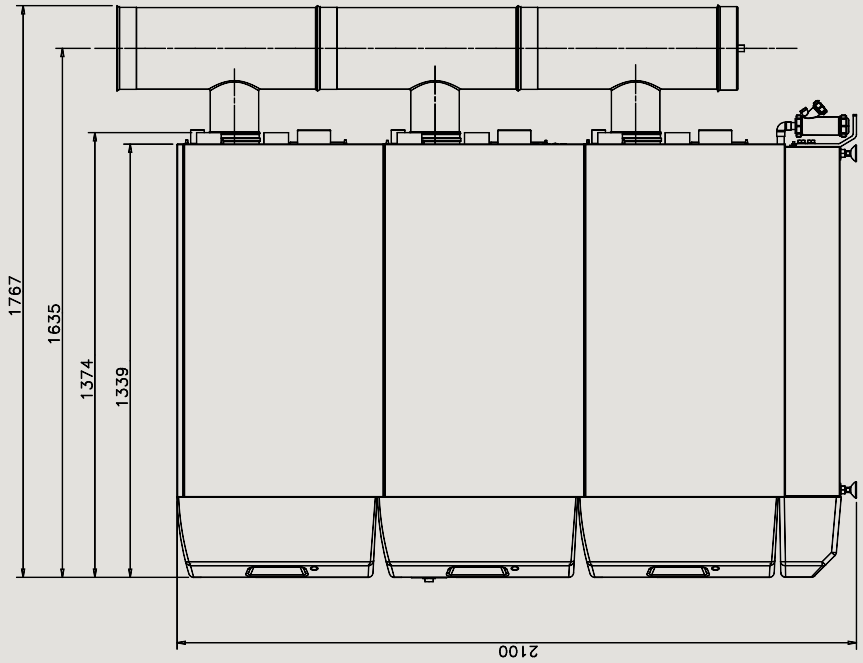
EVOMOD 500

Evomod 750 - Dimensions

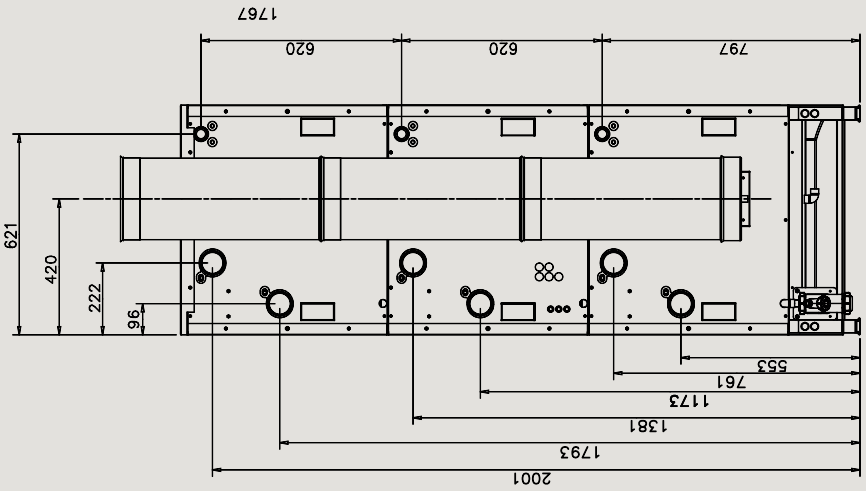
All dimensions shown in mm



Front View



Side View

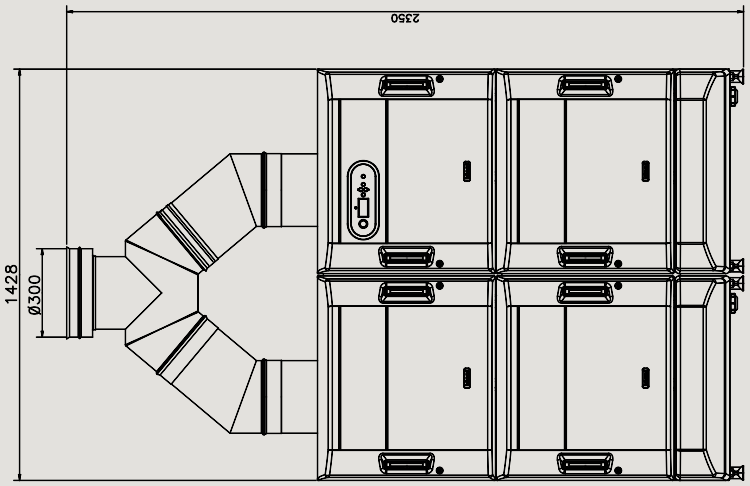


Back View

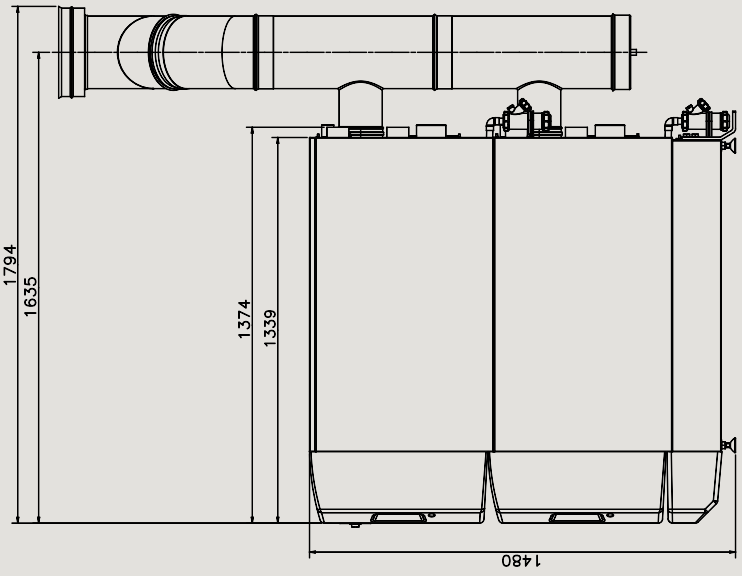
EVOMOD 750

Evomod 1000 - Dimensions

All dimensions shown in mm

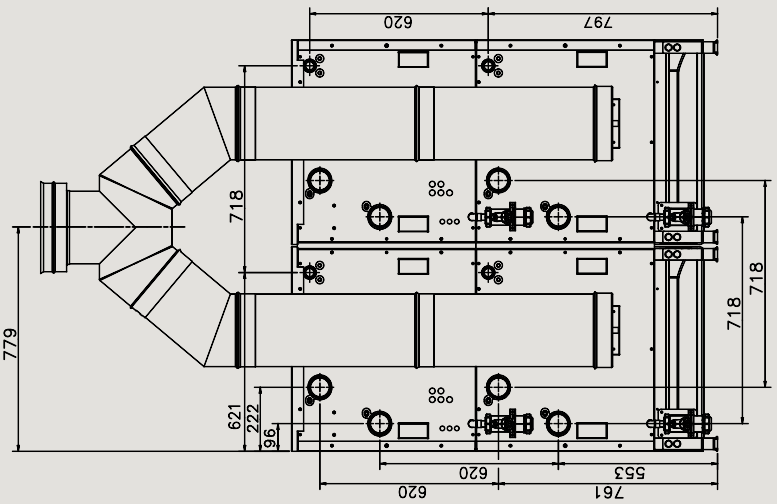


Front View



Side View

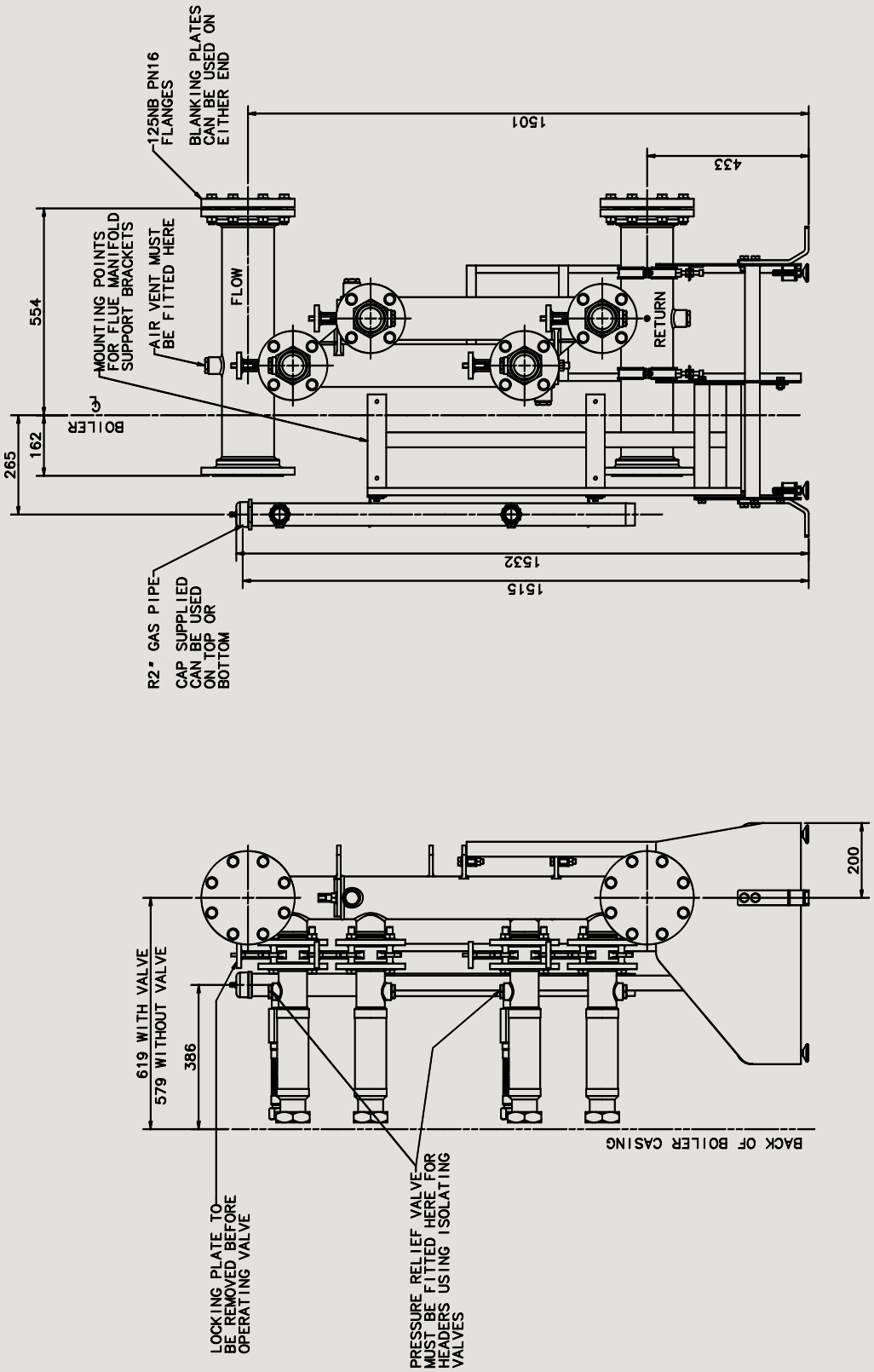
EVOMOD 1000



Back View

Header kits - Evomod 500

All dimensions shown in mm

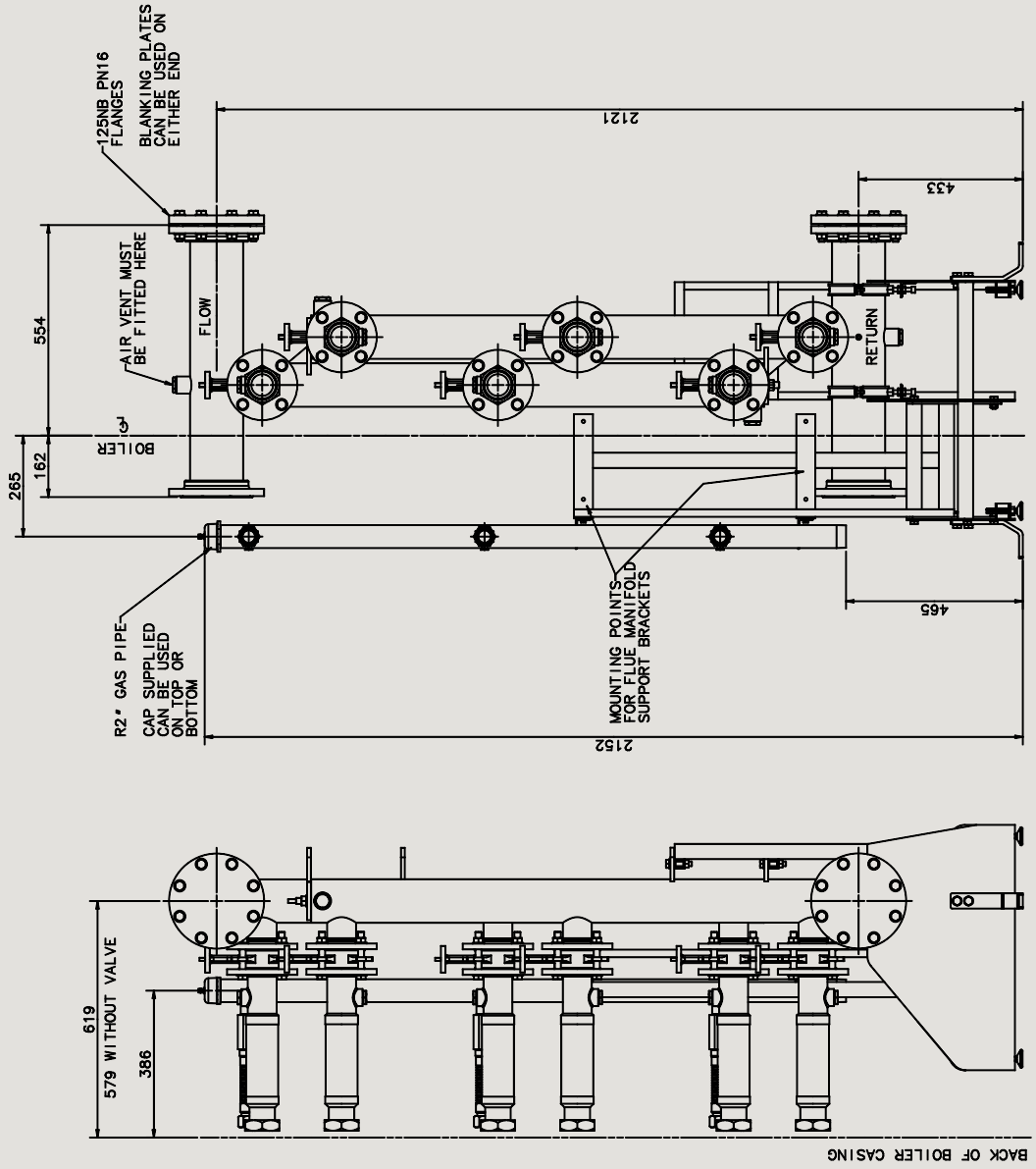


EVOMOD 500 KW HEADER ASSY

(Note: Optional header includes valves shown. Dimensions for optional header without valves also provided.)

Header kits - Evomod 750

All dimensions shown in mm

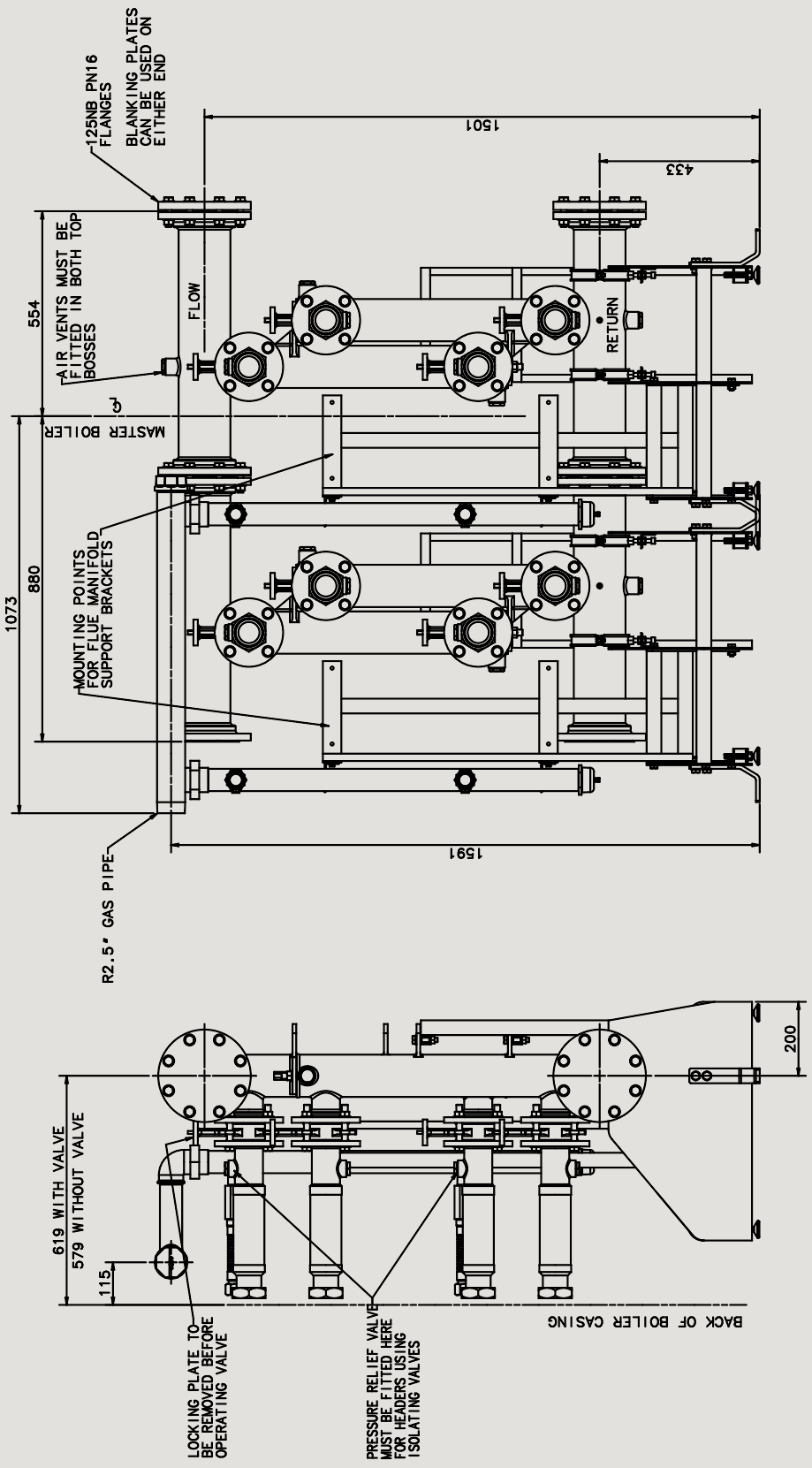


EVOMOD 750 KW HEADER ASSY

(Note: Optional header includes valves shown. Dimensions for optional header without valves also provided.)

Header kits - Evomod 1000

All dimensions shown in mm



EVOMOD 1000 KW HEADER ASSY

(Note: Optional header includes valves shown. Dimensions for optional header without valves also provided.)

System application

Ideal Evomod boilers are designed for central heating of commercial premises and also for supplying hot water via a calorifier or plate heat exchanger. They are suitable for fully pumped, open vented or pressurised systems and can be connected to heating and/or hot water systems.

They are not suitable for direct hot water supply or gravity heating/hot water systems.

Boiler	Evomod
Maximum static head:	61 metres (200 feet)
Maximum working pressure:	6 bar (87psi)

Maximum design flow temperature is 80°C (180F)

Pump overrun is provided as standard, and a period of 2 minutes must be allowed for in system design.

Frost protection is built into the boiler control, if the boiler sensor falls below 5°C, this will result in the appliance firing.

This will protect the boiler only, not exposed system elements.

Range packaging

Evomod 250, 500, 750
The boiler is delivered on a wooden pallet with protective cardboard packing pieces at the front. The side panels & bottom side panels are contained within cardboard packs strapped to the sides of the boilers. The footer is contained in a cardboard box, strapped to the boiler, or placed on the flue header pallet. All condensate traps are individually boxed & stored within the footer box. A protective plastic wrap protects the contents of the pallet. The flue components are in a cardboard box on a separate pallet.

The optional water connection kit (250) comes in a separate box, the optional header kits (500, 750, 1000) come on a separate pallet.

Evomod 1000
This boiler comes packed as above except the boiler is split onto 2 pallets. The header assembly comes split across 2 pallets + a gas manifold.

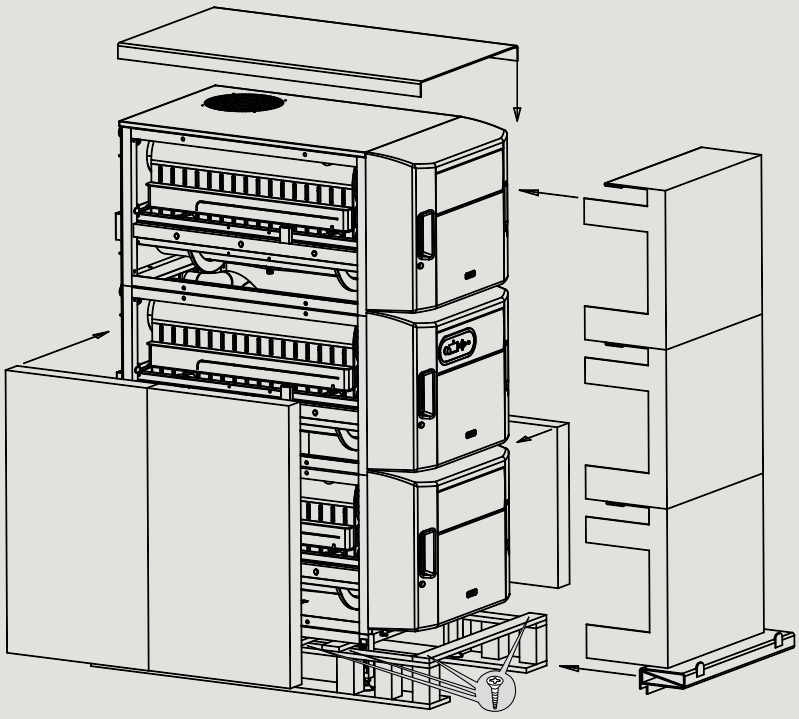
List of pack contents:

1. Boiler on pallet(s)
2. Side panel pack(s)
3. Footer pack(s) inc. condensate traps
4. Flue components

To unpack the boiler:

- Remove the plastic wrap
- Unstrap and remove side panel boxes, store in a safe place
- Lift off footer box, store in a safe place
- Retrieve the condensate trap boxes from within the footer box, store in a safe place.
- Remove the protective cardboard packing from the front.
- Remove all screws from the wooden pallet & disassemble the pallet.

A full commissioning service is available at an extra charge.



Minimum water flow

Due to the compact nature of the boiler the heat stored within the heat exchanger at the point of shutdown of the burner must be dissipated into the water circuit in order to avoid overheating. In order to allow pump operation after burner shutdown the boiler control box incorporates a 2 minute pump overrun facility. In order to make use of this, a pump must be controlled via the terminals inside the boiler.

System design must allow for adequate internal circulation and sufficient heat release from the boiler body whenever the burner is firing or during pump overrun. (See flow rate table below for details). Additionally, the system must be controlled so that part of the load is available during the pump overrun period to dissipate heat. **Pump Choice:** The choice of pump should take into account the hydraulic resistance given in the table below.

Flow rates for common systems using a 20°C temperature differential are given in the table below.

Model		**250**	**500**	**750**	**1000**
Hydraulic resistance at 20°C	mb	410	410	410	410
	in. w.g.	164	164	164	164
Hydraulic Resistance @ 20˚C with optional water header pack	mbar	100	105	110	120
Water flow rate temperature difference 20°C (36°F)	l/s	3.0	6.0	9.0	12.0
	m^3/hr	10.7	21.5	32.2	43

Note.

• With the boiler firing at maximum rate, the temperature differential should not be less than 20°C.

• With the boiler firing at minimum rate, the temperature differential should not be greater than 35°C. Lower flow rates generating higher temperature differentials will lead to poor system performance.

• The lower the return temperature to the boiler, the higher the efficiency. At return temperatures of 55°C and below, the difference becomes marked because the water in the flue gases starts to condense, releasing its latent heat.

In installations where all radiators have been provided with thermostatic radiator valves, it is essential that water circulation through the boiler is guaranteed. A mixing header will perform this task. Alternatively this can be best achieved by means of a differential pressure valve, which is installed in a bypass between the flow and return pipes. The bypass should be fitted at least 6m from the boiler, and should be capable of allowing a minimum flow rate to achieve a temperature differential of no greater than 35°C at minimum rate.

Ventilation

The ventilation requirements of these boilers are dependant on the type of flue system used, and their heat input. All vents must be permanent with no means of closing, and positioned to avoid accidental obstructions by blocking or flooding.

Detail reference should be made to BS. 6644 for inputs between 70kW and 1.8MW (net).

In IE refer to the current edition of I.S.820:2000. The following notes are for general guidance only:

Dust contamination in the combustion air may cause blockage of the burner slots. Unless the boiler room provides a dust free environment then direct connection of the air intake via ducting to clean outside air should be used.

IMPORTANT NOTE: If combustion air is drawn from within the boiler room, ensure no dust or airborne debris can be ingested into the appliance. Dusty concrete flooring should be sealed to reduce the presence of dust.

The temperature within a boiler room shall not exceed 25°C within 100 mm of the floor, 32°C at mid height and 40°C within 100 mm of the ceiling.

Open Flued Installations
If ventilation is to be provided by means of permanent high and low vents communicating direct with outside air, then reference can be made to the sizes below. For other ventilation options refer to BS. 6644. In IE refer to the current edition of I.S.820.
Required area (cm2) per kW of total rated input (net)

	Boiler Room	Enclosure
Low level (inlet)	4	10
High level (outlet)	2	5

Note: Where a boiler installation is to operate in summer months (e.g. DHW) additional ventilation requirements are stated, if operating for more than 50% of time (refer to BS6644).

Water Treatment

These boilers incorporate an STAINLESS STEEL heat exchanger.

IMPORTANT. The application of any other treatment to this product may render the guarantee of Ideal Stelrad Group INVALID.

Ideal Stelrad Group recommend Water Treatment in accordance with Guidance Notes on Water Treatment in Central Heating Systems.
Ideal Stelrad Group recommend the use of Fernox Copal or MB1 or GE Betz Sentinel X100 inhibitors and associated water treatment products, which must be used in accordance with the manufacturers' instructions.

For further information contact:
Fernox Manufacturing Co. Ltd., Cookson Electronics,
Forsyth Road, Sheerwater, Woking, Surrey, GU21 5RZ
Tel: +44 (0) 1799 521133

or

Sentinel Performance Solutions, The Heath Business and
Technical Park, Runcorn, Cheshire, WA7 4QX
Tel: 0800 389 4670
www.sentinel-solutions.net

Flue Installation

THE FLUE HEADER FOR 500-1000 BOILERS IS SUPPLIED.

IMPORTANT. It is the responsibility of the installer to ensure, in practice, that products of combustion discharging from the terminal cannot re-enter the building or any other adjacent building through ventilators, windows, doors, other sources of natural air infiltration, or forced ventilation / air conditioning. If this should occur the appliance MUST be isolated from the gas supply and labelled as 'unsafe' until corrective action can be taken.

Terminal Position
Due to the high efficiency of the boilers pluming will occur.

Particular care should be taken in the case of large output boiler installations, and complying with the requirements of the Clean Air Act.

The flue must be installed in accordance with the appropriate Building Regulations and standards and in compliance with BS6644.
In IE refer to I.S.820:2000.

Flue system design

Due to the high efficiency of these boilers, the flue gas temperatures are low and the buoyancy in the stack will be relatively small. The boiler is supplied with an integral fan which is fully matched to the boiler in each case to provide correct combustion air flow and overcome the flue resistance.

The power of this fan is such that there is a large reserve of pressure available to overcome a significant length of flue without affecting the combustion performance of the boiler.

The maximum pressure available at the base of the flue to overcome flue resistance is 105Pa. This includes the resistance of any air ducts used to connect the air inlet direct to outside air.

Care should be taken with tall flue systems to ensure excess buoyancy is not created. A negative pressure must not be created at the boiler flue outlet.

See table below for approximate maximum straight flue length.

Boiler	**250**	**500**	**750**	**1000**
Flue Size (mm)	Ø150	Ø250	Ø250	Ø300
Approx. max. Straight Flue Length (m)	28	80	32	56

The addition of elbows and their positions in the flue will have a significant effect on the maximum allowable flue and air duct lengths. Consult with your flue supplier for detailed design work.

IMPORTANT NOTE.
If combustion air is drawn from within the boiler room, ensure no dust or airborne debris can be ingested into the appliance. Dusty concrete flooring should be sealed to reduce the presence of dust. Ideally where possible duct the air supply into the boiler room from a clean source outside the boiler room / building.

Material
With no requirement for buoyancy to discharge flue products and with low flue gas temperatures, single wall flues are suitable for most installations. Care should still be taken to maintain compliance with building regulations and relevant standards.

The flue used should be a suitably approved flue for use on a pressurised condensing flue system. The boiler is not suitable for use on plastic flue systems.

Condensate produced in the flue should be drained separately before entering the boiler. A Drain point at the bottom of the Header Kit (500, 750 and 1,000) is provided for this purpose.

All joints or connections in the flue system must be impervious to condensate leakage. Low points in the flue system should be drained using pipe of material resistant to condensate corrosion.

All drains in the flue should incorporate a water trap. Care should also be taken in the selection of flue terminals as these tend to accentuate the formation of a plume and could freeze in cold weather conditions.

Care should be taken to ensure the specification of the chimney is suitable for the application by reference to the manufacturers literature.

NOTE:- Long Flues
It is recommended that a support bracket is fitted at least every 1m of flue length and a bracket must be fitted at every flue joint to ensure flue seal and alignment of flue.

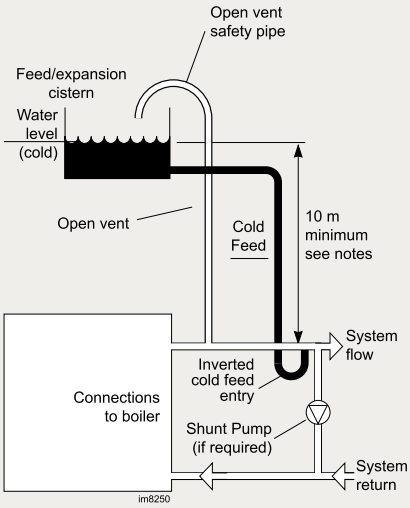
System requirements - open vented

The information and guidance given below is not intended to override any requirements of the above publications or the requirements of the local authority, gas or water undertakings.

The vertical distance between the pump and feed/expansion cistern MUST comply with the pump manufacturer's minimum requirements, to avoid cavitation. Should these conditions not apply either lower the pump position or raise the cistern above the minimum requirement specified by Ideal Stelrad Group. The isolation valves should be fitted as close to the pump as possible.

The information provided is based on the following assumptions:

1. An independent open vent/safety pipe connection is made immediately after the system flow pipe connection.
2. An independent cold feed/expansion pipe connection is made immediately after the open vent/safety pipe connection.
3. The maximum flow rate through the boiler is based on a temperature difference of 20°C at full boiler output.
4. The boiler is at the highest point of circulation in the system. Systems designed to rise above the boiler flow tappings will automatically require a minimum static head higher than that shown.
5. The position of the open vent/safety pipe above the expansion cistern water level is given as a guide only. The final position will depend upon the particular characteristics of the system. Pumping over of water into the expansion cistern must be avoided.
6. Both open vent/safety pipe and cold feed/expansion pipes must be of adequate diameter to suit the output of the boiler. Refer to Tables below and BS 6644:2005.



Note.

- *This diagram does not show safety valves, water flow switches, etc. necessary for the safe operation of the system.*

Open Vent Pipe Sizes

Rated output kW	Minimum bore mm	Nominal Size (DN) in
301 to 600	50	2
601 and above	*	*

'Steel pipe sizes complying with medium or heavy quality or BS 1387.

* Determine using A=3.5 x Q_R (Q_R = heat output (kW A= area mm^2)

Cold Feed Pipe Sizes

Rated output kW	Minimum bore mm	Nominal Size (DN) in
301 to 600	38	1 ½
601 and above	50	2

'Steel pipe sizes complying with medium or heavy quality or BS 1387.

System requirements - sealed system

Working pressure 6 bar maximum.

Particular reference should be made to BS. 6644 and Guidance note PM5 "Automatically controlled steam and hot water boilers" published by the Health and Safety Executive.

The information and guidance given below is not intended to override any requirements of either of the above publications or the requirements of the local authority, gas or water undertakings.

In general commercial closed pressurised systems are provided with either manual or automatic water make up.

In both instances it will be necessary to fit automatic controls intended to protect the boiler, circulating system and ancillary equipment by shutting down the boiler plant if a potentially hazardous situation should arise.

Examples of such situations are low water level and operating pressure or excessive pressure within the system. Depending on circumstances, controls will need to be either manual or automatic reset. In the event of a shutdown both visual and audible alarms may be necessary.

Expansion vessels used must comply with EN13831 and must be sized on the basis of the total system volume and initial charge pressure.

Initial minimum charge pressure should not be less than 1.0 bar (14.7psi) and must take account of the static head and specification of the pressurising equipment. The maximum water temperatures permissible at the point of minimum pressure in the system are specified in Guidance Note PM5.

When make up water is not provided automatically it will be necessary to fit controls which shut down the plant in the event of the maximum system pressure approaching to within 0.35bar (5psi) of the safety valve setting.

Other British Standards applicable to commercial sealed systems are:

BS. 6880: Part 2
BS. 1212
BS. 6281: Part 1
BS. 6282: Part 1
BS. 6283: Part 4

Royal Vets College

REDUCES RUNNING COSTS WITH IDEAL COMMERCIAL BOILERS

An Evomod 1000kW condensing high efficiency boiler from Ideal Commercial comprising of four 250kW modules has been selected to replace three oil-fired appliances at the Royal Veterinary College (RVC), and are now providing reliable and cost-effective heating for the entire building.

The new 1000kW boiler installation was part of a plant room refurbishment at the Hobday Campus Building in Camden, London. The RVC wanted to switch to gas-fired rather than oil-fired heating as there has been a drive to increase energy efficiency and reduce running costs for the College - an initiative seen as particularly important in the face of rising fuel costs and the prediction of another severe winter.

Dave Snow, MD of Fast Flame Ltd and the heating engineer in charge of the project, selected the Evomods as they not only offered the high efficiencies demanded by the College, they also met a variety of challenging installation criteria.

"We chose the Evomod boilers for their high energy efficiency, as well as for their ease of maintenance"

Dave Snow, MD of Fast Flame Ltd

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30 - 150 kW (30 - 80 kW LPG)

- Aluminium silicon alloy heat exchanger
- Low NOx emissions <40mg/kWh for all natural gas models
- Upto 110% part load efficiency
- High 5:1 turndown ratio
- Comprehensive control interface
- ECA listed

Compact Wall Hung

IMAX XTRA

80 - 560 kW

- Aluminium silicon alloy heat exchanger
- Low NOx emissions <40mg/kWh
- Upto 107.5% part load efficiency
- High 5:1 turndown ratio
- Comprehensive control interface
- Compact size - small footprint

Floor Standing

EVOMOD

250 - 1000 kW

- Stainless Steel heat exchanger
- Low NOx emissions <40mg/kWh
- Upto 108.5% part load efficiency
- Up to 20:1 turndown ratio
- Comprehensive control interface
- Small footprint
- ECA listed

Modular

For more information contact Ideal Commercial Boilers: T: 01482 492251 E: enquiries@idealheating.com

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Courses are available on the following products:

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- Evomod range (1 day) - Leeds
- Imax Xtra (1 day) - Leeds
- Concord CX range (2 days - Hull only)
- Concord Super range (2 days - Hull only)

Each course covers the following:

- Product range overview
- Product specification
- Application and installation of products
- Electronic circuits and components
- Flue and accessory options
- Component overview, change and repair
- User controls
- Sequence of operation
- Fault finding
- Commissioning

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Lunch and refreshments are provided and a certificate is awarded upon completion.

Price £80.00 for 1 day

(including VAT) per person

Price £160.00 for 2 days

(including VAT) per person

Training

Tel: 01482 498432

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Ideal Service & Support

At Ideal, we are committed towards delivering the highest levels of customer service. With over a century of experience in the heating industry, we know how important confidence and trust is to our customers.

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Our rigorous research and development procedures and manufacturing quality control checks, ensures that all of our products are produced to the highest standards; delivering total comfort and peace of mind.

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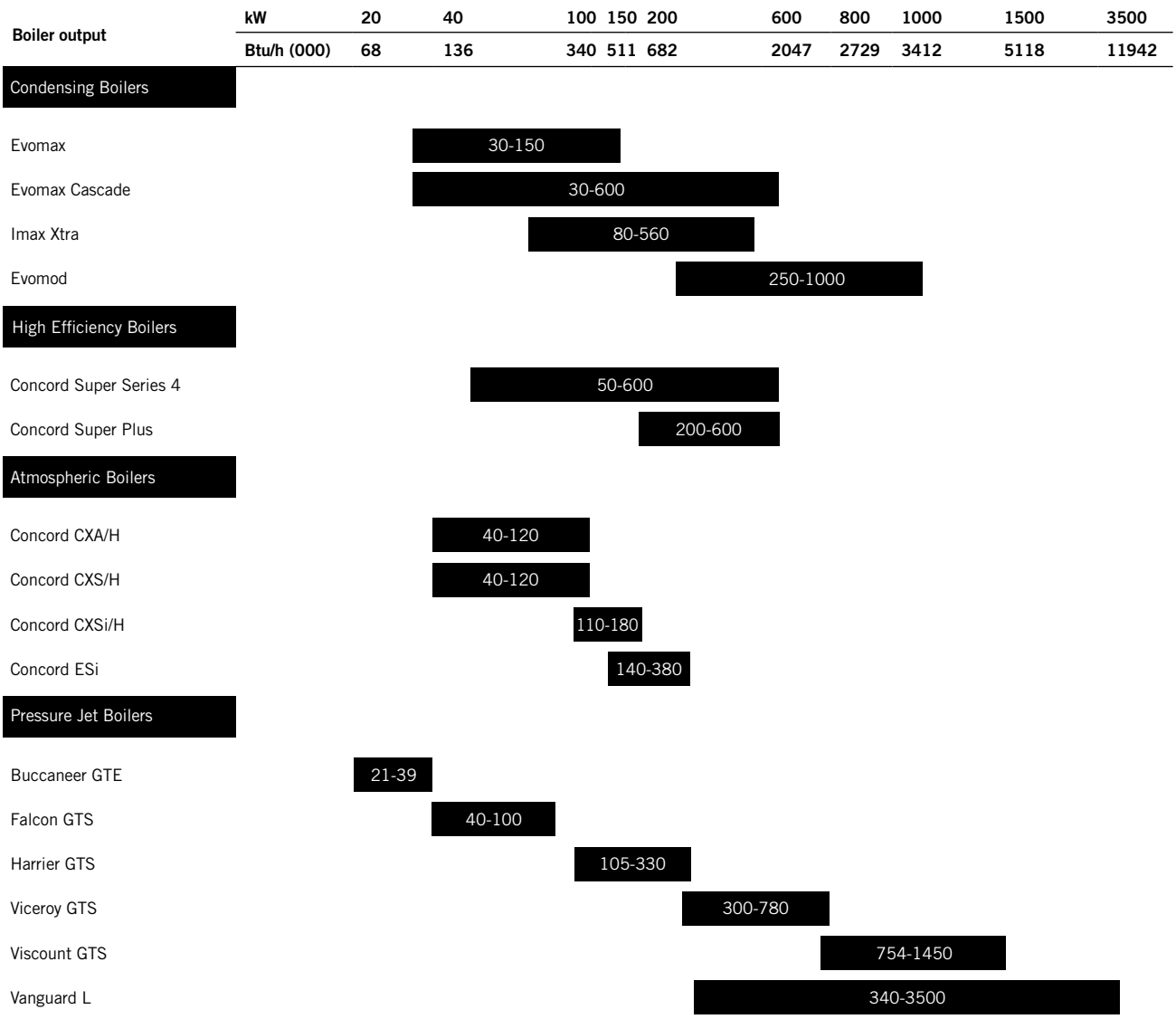
Ideal Commercial Boilers Service

Sales
Tel: 01482 498690
Fax: 01482 498299

Technical
Tel: 01482 498376
Fax: 01482 498621

commercial.services@idealheating.com

The Ideal Commercial Boilers product range



Approval
These appliances are certified to G.A.D. 90/396 and B.E.D. 92/42 Safety and Performance Directives for gas boilers.

Ideal Commercial Boilers pursues a policy of continuous improvement in design and performance of its products and reserves the right to vary specification without notice. Statutory rights of the consumer are not affected.

Please note:
The information in this brochure was correct at the time of going to print. Ideal Commercial Boilers reserve the right to make any modifications to product specifications or any other details, without prior notification. For further clarification, please enquire in writing to the head office address (address below).

Ideal Commercial Boilers

P.O. Box 103
National Avenue
Kingston Upon Hull
HU5 4JN

T: 01482 492251
F: 01482 448858
www.idealcommercialheating.com

FM 59915

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