



# + IDEAL LOGIC HEAT INTERFACE UNITS (HIUs) PRODUCT GUIDE.



# + WELCOME TO FIRST CLASS.

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As technologies continue to develop, we understand that you want a long term partner who has the skills and expertise to deliver you a wide range of practical and reliable hot water and heating solutions, that are simple to install and easy to service.

**Here at Ideal Boilers, we can provide you with just that.**

When you choose to work with Ideal you can be confident in the knowledge that our rigorous research and development procedures ensure that our products are not only reliable, but have also been designed and built with you in mind.

We offer dedicated one to one support throughout the design, planning and aftersales service.

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# HIU INTRODUCTION.

The Ideal Heat Interface Units are heat energy transfer units. Designed for use in conjunction with centralised boilers, district heating or central energy systems. The function is to efficiently transfer heat from the plant room to the individual dwellings central heating (CH) and domestic hot water (DHW) systems.

## TYPICAL SYSTEM.



## IDEAL LOGIC HIU.

Ideal HIUs incorporate an internal electronic control unit which ensures not only maximum efficiency, improved reaction time and control but also incorporates other additional features. Modulating valves control the supply of hot water to both the space heating and domestic hot water within the apartment.

The thermally insulated casings minimise heat loss from the unit.

Maximum energy saving from the HIUs can only be achieved if the system is designed correctly and HIUs are selected and sized correctly.

To ensure maximum efficiency, reliability and performance the system must be designed and commissioned in accordance with CIBSE.

## SAP RATING.

SAP has been adopted by the Government as part of the UK's national standard for calculating the energy performance of buildings.

Every new building has to have an SAP rating. It provides a simple means of reliably estimating the energy efficiency.

SAP ratings are expressed on a scale of 1 to 100, the higher the number the more energy efficient the building.



## BENEFITS.

### THE BENEFITS OF IDEAL LOGIC HIUs ARE:

- Compact design requiring a minimum amount of space
- Minimal routine maintenance since they do not require regular servicing or maintenance
- All the Logic HIUs incorporate a spacer piece which can be easily removed and a heat meter fitted inside the unit. This allows the energy used by each individual apartment to be recorded and charged accordingly

### THE LOGIC HIU RANGE HAS TWO METER OPTIONS AVAILABLE:

- CF ECHO II
- CF ULTRAMAXX V

Depending upon the meter chosen the energy used can be monitored and recorded automatically which enables automatic billing to the tenants.

For information on how to design Ideal Logic HIUs into your next project please refer to the Design Guide which covers:

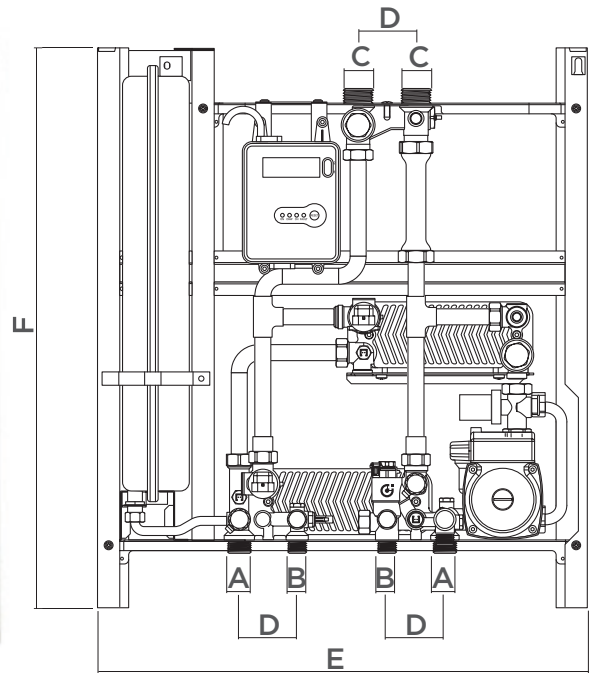
- Unit selection
- Heating system layout
- Integration of low carbon heat sources
- Prediction of hot water simultaneous demands



## LOGIC HIU 50 INDIRECT.

The Logic heat interface unit is the latest 'intelligent' range of HIU from Ideal. The Logic HIU is the complete solution for instantaneous hot water production and space heating control.

This is an indirect wall mounted HIU, providing 50 kW instantaneous priority DHW and 15 kW modulated CH. This can be converted to under floor heating including inbuilt safety thermostat capability.



### CONNECTION

	A	B	C
Thread	G $\frac{3}{4}$ "	G $\frac{1}{2}$ "	G1"*

D	E	F	Depth inc. Cover	kg
65mm	550mm	630mm	265mm	19

## FEATURES & BENEFITS.

- Twin plate design hydraulically separates both domestic and space heating from the central primary supply
- Internal electronic control unit with LCD display
- The standard unit can be set to hold a stable heating flow temperature, to suit the installation (radiators, UFH for example), but crucially, can also be set to vary the heating flow temperature automatically depending on the temperature of the heating return water
- Automatically compensates for changes due to external influences, such as outside temperature etc. thereby ensuring that the unit and the system operate at maximum efficiency
- Pump bypass protection, in case of complete radiator TRV shutdown
- Compact and lightweight
- Fully insulated EPP front cover
- Convertible to underfloor heating
- Configurable hot water priority
- Pressure independent control valve
- Ability to pre-heating of the DHW exchanger

\* After shut-off valves are installed the connections become a female 3/4".

**LOGIC HIU.**  
**50 INDIRECT**

## OPERATION.

### PRIMARY PERFORMANCE.

Maximum working pressure:	16 bar - primary 3 bar - secondary
Maximum temperature	85°C
Max. Percentage of glycol	30%
Max. Recommended primary circuit flow rate	1.2 m <sup>3</sup> /h

### HEATING.

The temperature setting operates on the principle of set point regulation and can be fixed within application limits.

Heating Set Point	25 to 75°C
Nom. heating exchanger net output: 15 kW	15 kW
Secondary circuit:	Maximum pressure rating 3 bar Maximum operating pressure 2.5 bar
Pump	UPS 15/60
Pump bypass setting	0.45 bar
Pressure switch	Opening 0.4 bar Closing 0.8 bar
Safety relief valve setting	3 bar
Safety thermostat	55°C ±3
Expansion vessel	7.5 litre
Under floor heating capability	Optional
Heating control circuit	VOLT FREE

### DOMESTIC HOT WATER - DHW INCLUDING OPTIONAL PRE HEAT FUNCTION.

The DHW function takes priority over the heating function controlled by the DHW priority flow switch.

Set Point DHW temperature	42 to 60°C
Max. Domestic hot water pressure	10 bar
DHW circuit max. flow rate	18 l/m (0.3 l/s)
Min. flow rate to activate domestic flow sensor	2.7 l/m ±0.3
Max. Differential pressure on domestic water modulating valve	Δp 1.65 bar
Min. Differential pressure on domestic water modulating valve	Δp 0.35 bar
Nom. DHW heat exchanger net output	50 kW - Logic HIU 50 Indirect net output

### ELECTRICAL.

Power supply	230 V (ac)±10% 50 Hz
Max. Power consumption	105 W
Protection class	IP 40
Actuator	Stepper 24 V
Probes	NTC 10 kΩ

### CONSTRUCTION.

Frame	RAL 9010 sprayed steel
Protective shell cover	EPP (Expanded polypropylene)
Components	Brass BS EN 12165 CW617N
Pipes	Stainless steel
Exchanger	Brazed stainless steel

### INCLUDED AS STANDARD.

Heat Interface Unit 50	✓
Primary ball valve set	✓
Domestic connection flow & return valve kit	✓
Filling loop connection kit valves	✓

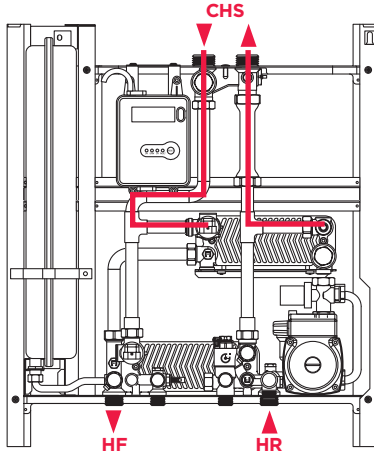
### ACCESSORIES.

Flushing By-pass	✓
CF Echo II	✓
CF Ultramaxx V	✓

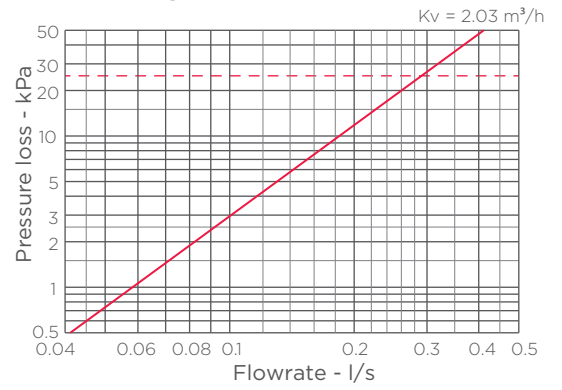
UIN	PRODUCT NAME	METERING OPTIONS
211094	Logic HIU Indirect 50	HIU only, meter not included
211347	Logic HIU Indirect 50	Factory fitted, CF Echo 11 MbBus 1
211351	Logic HIU Indirect 50	Factory fitted, CF Ultramaxx V MBus PS

# PRIMARY FLOW CHARACTERISTICS.

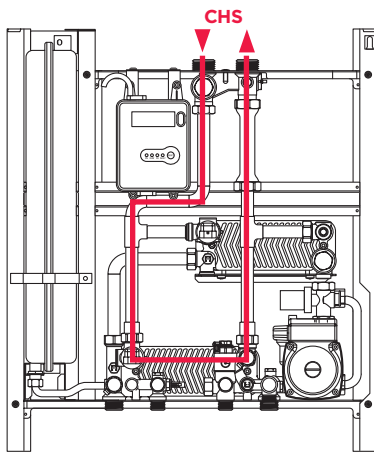
## HYDRAULIC CHARACTERISTICS HEATING - PRIMARY SIDE.



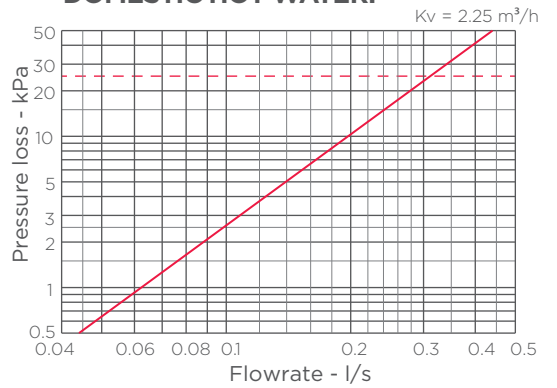
### HEATING.



## HYDRAULIC CHARACTERISTICS DOMESTIC HOT WATER - PRIMARY SIDE.

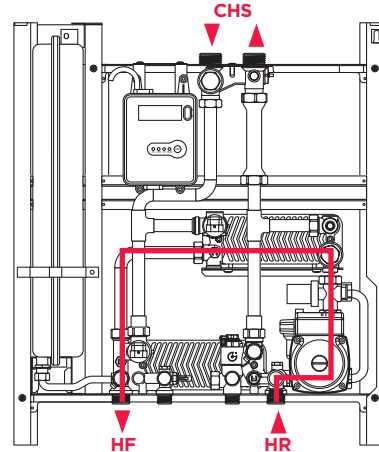
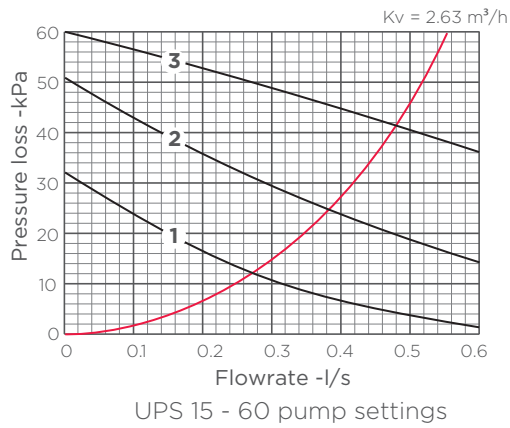


### DOMESTIC HOT WATER.

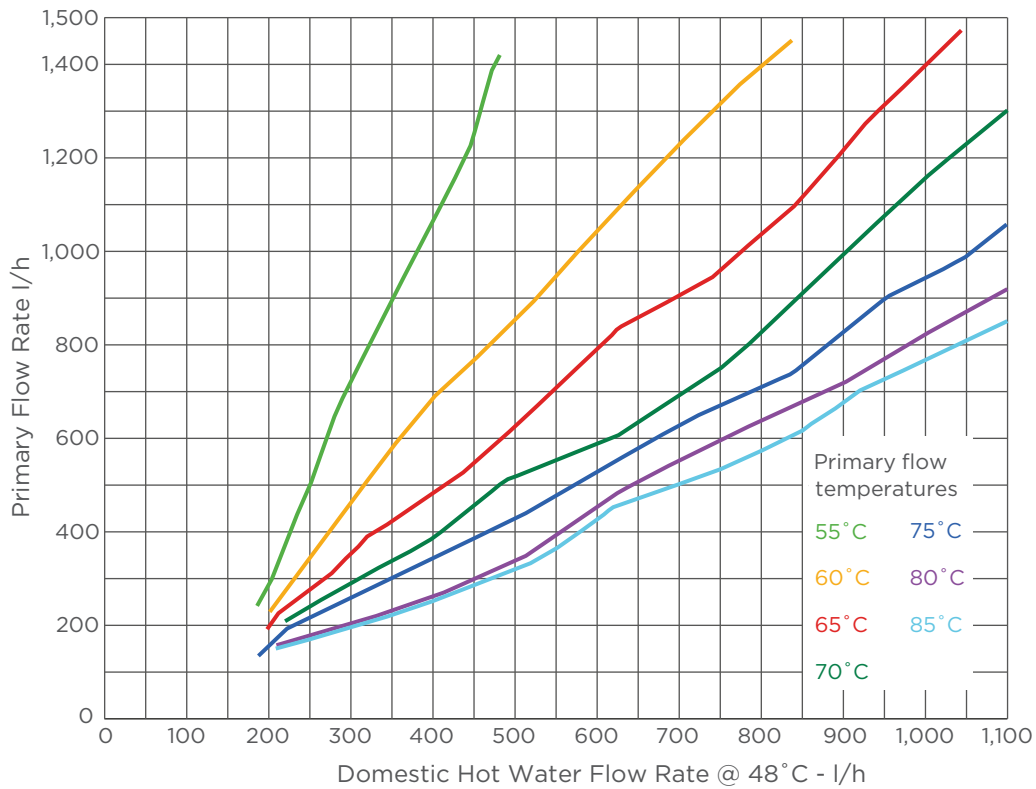




**HYDRAULIC CHARACTERISTICS  
HEATING - SECONDARY SIDE.**



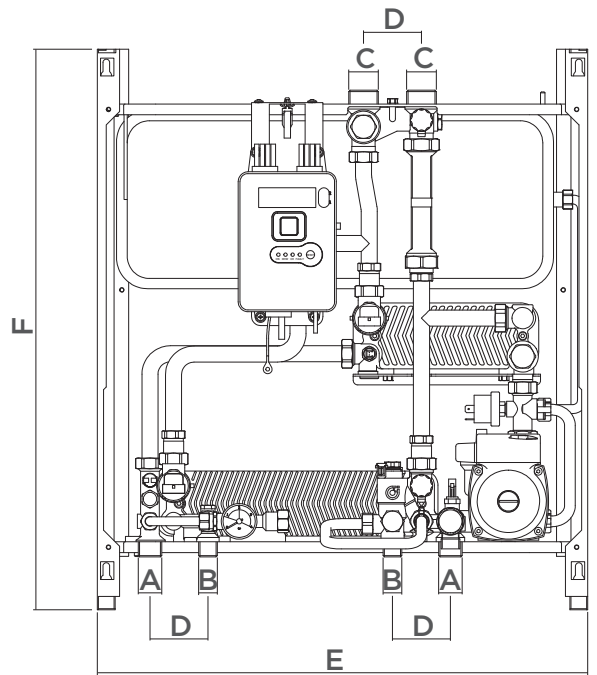
**DOMESTIC HOT WATER OUTPUT.**



## LOGIC HIU 75 INDIRECT.

The Logic heat interface unit is the latest 'intelligent' range of Logic HIUs from Ideal. The Logic HIU is the complete solution for instantaneous hot water production and space heating control.

This is an indirect wall mounted HIU, providing 75 kW instantaneous priority DHW and 15 kW modulated CH. This can be converted to under floor heating including inbuilt safety thermostat capability.



### CONNECTION

	A	B	C
Thread	G $\frac{3}{4}$ "	G $\frac{1}{2}$ "	G1"*

D	E	F	Depth inc. Cover	kg
65mm	550mm	630mm	265mm	19

## FEATURES & BENEFITS.

- Twin plate design hydraulically separates both domestic and space heating from the central primary supply
- Internal electronic control unit with LCD display
- The standard unit can be set to hold a stable heating flow temperature, to suit the installation (radiators, UFH for example), but crucially, can also be set to vary the heating flow temperature automatically depending on the temperature of the heating return water
- Automatically compensate for changes due to external influences, such as outside temperature etc. thereby ensuring that the unit and the system operate at maximum efficiency
- Convertible to underfloor heating
- Configurable hot water priority
- Pressure independent control valve
- Pump bypass protection, in case of complete radiator TRV shutdown
- Ability to pre-heating of the DHW exchanger

\* After shut-off valves are installed the connections become a female 3/4".

**LOGIC HIU.**  
**75 INDIRECT**

## OPERATION.

### PRIMARY PERFORMANCE.

Maximum working pressure:	16 bar - primary 3 bar - secondary
Maximum temperature	85°C
Max. Percentage of glycol	30%
Max. Recommended primary circuit flow rate	1.2 m <sup>3</sup> /h

### HEATING.

The temperature setting operates on the principle of set point regulation and can be fixed within application limits.

Heating Set Point	25 to 75°C
Nom. heating exchanger net output: 15 kW	15 kW
Secondary circuit:	Maximum pressure rating 3 bar Maximum operating pressure 2.5 bar
Pump	UPS 15/60
Pump bypass setting	0.45 bar
Pressure switch	Opening 0.4 bar Closing 0.8 bar
Safety relief valve setting	3 bar
Safety thermostat	55°C ±3
Expansion vessel	7.5 litre
Under floor heating capability	Optional
Heating control circuit	VOLT FREE

### DOMESTIC HOT WATER - DHW INCLUDING OPTIONAL PRE HEAT FUNCTION.

The DHW function takes priority over the heating function controlled by the DHW priority flow switch.

Set Point DHW temperature	42 to 60°C
Max. Domestic hot water pressure	10 bar
DHW circuit max. flow rate	26.6l/m (0.44l/s)
Min. flow rate to activate domestic flow sensor	2.7 l/m ±0.3
Max. Differential pressure on domestic water modulating valve	Δp 1.65 bar
Min. Differential pressure on domestic water modulating valve	Δp 0.35 bar
Nom. DHW heat exchanger net output:	75 kW - Logic HIU 75 Indirect

### ELECTRICAL.

Power supply	230 V (ac)±10% 50 Hz
Max. Power consumption	105 W
Protection class	IP 40
Actuator	Stepper 24 V
Probes	NTC 10 kΩ

### CONSTRUCTION.

Frame	RAL 9010 sprayed steel
Protective shell cover	EPP (Expanded polypropylene)
Components	Brass BS EN 12165 CW617N
Pipes	Stainless steel
Exchanger	Brazed stainless steel

### INCLUDED AS STANDARD.

Heat Interface Unit 75	✓
Primary ball valve set	✓
Domestic connection flow & return valve kit	✓
Filling loop connection kit valves	✓

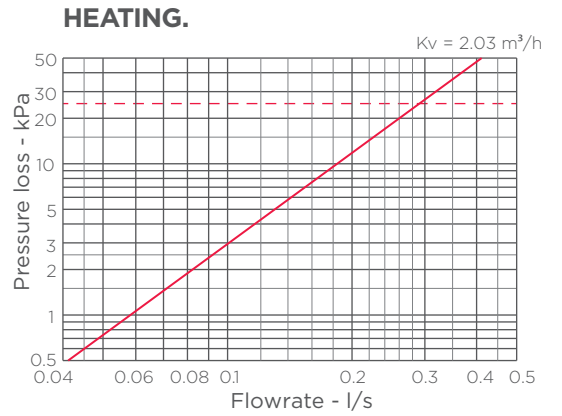
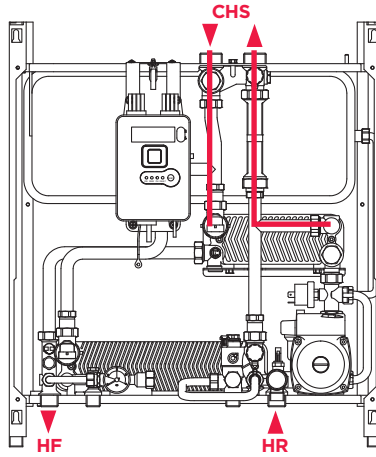
### ACCESSORIES.

Flushing By-pass	✓
CF Echo II	✓
CF Ultramaxx V	✓

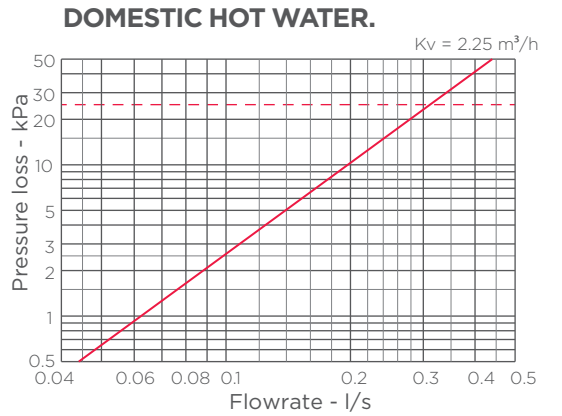
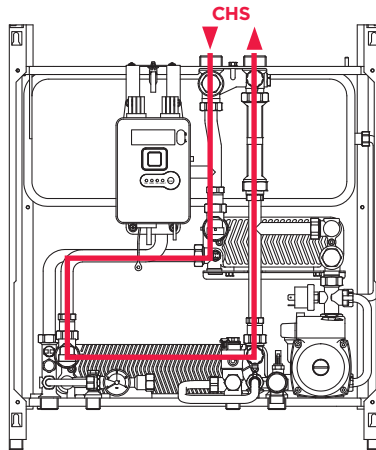
UIN	PRODUCT NAME	METERING OPTIONS
211093	Logic HIU Indirect 75	HIU only, meter not included
211346	Logic HIU Indirect 75	Factory fitted, CF Echo 11 MbBus 1
211350	Logic HIU Indirect 75	Factory fitted, CF Ultramaxx V MBus PS

# PRIMARY FLOW CHARACTERISTICS.

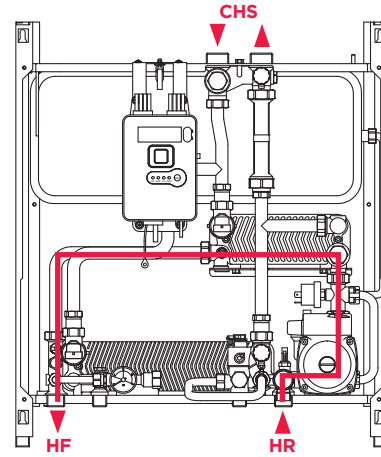
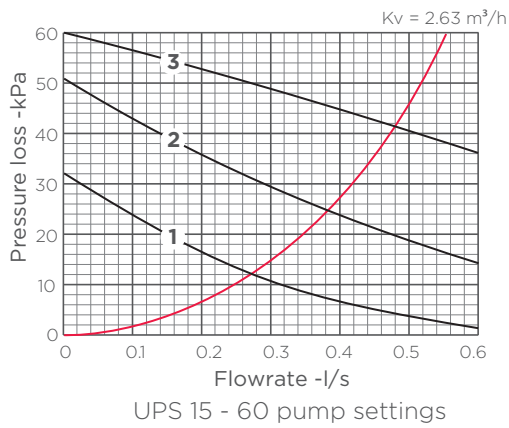
## HYDRAULIC CHARACTERISTICS HEATING - PRIMARY SIDE.



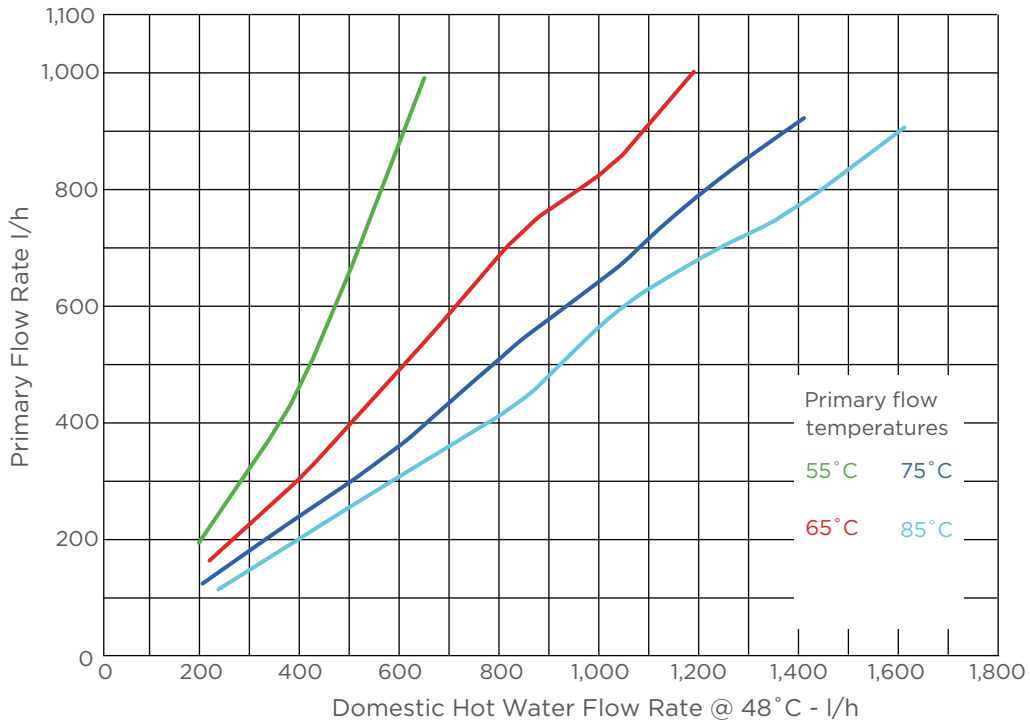
## HYDRAULIC CHARACTERISTICS DOMESTIC HOT WATER - PRIMARY SIDE



**HYDRAULIC CHARACTERISTICS  
HEATING - SECONDARY SIDE.**



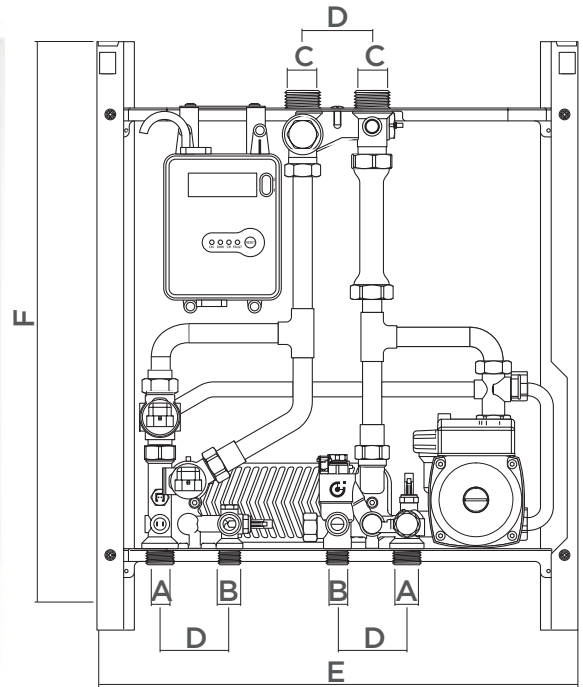
**DOMESTIC HOT WATER OUTPUT.**



## LOGIC HIU 50 DIRECT MEDIUM TEMP.

The Logic heat interface unit is the latest 'intelligent' range of Logic HIUs from Ideal. The Logic HIU is the complete solution for instantaneous hot water production and space heating control.

This is a direct wall mounted HIU, providing 50 kW indirect instantaneous priority Domestic Hot Water (DHW). Central Heating (CH) is dependent upon the primary system design and pump specification.



### CONNECTION

	A	B	C
Thread	G $\frac{3}{4}$ "	G $\frac{1}{2}$ "	G1"*

D	E	F	Depth inc. Cover	kg
65mm	450mm	550mm	265mm	16

## FEATURES & BENEFITS.

- Single plate design hydraulically separates the domestic water with the space heating supplied directly from the central primary supply
- Internal electronic control unit with LCD display
- Can be set to modulate the heating flow circuit for greater efficiency and to compensate for changes in the external environment
- Complete with a heating support pump, as standard, including a pump bypass loop in case of complete radiator TRV shutdown
- Compact and lightweight
- Fully insulated EPP front cover
- Includes differential pressure control valve (DPCV)\*\* supplied and fitted to the base of the unit
- Ability to pre-heating of the DHW exchanger

\* After shut-off valves are installed the connections become a female 3/4". \*\* Not shown on components illustration.

**LOGIC HIU.**  
**50 DIRECT MT**

## OPERATION.

### PRIMARY PERFORMANCE.

Maximum working pressure:	10 bar
Maximum temperature	85°C
Max. Percentage of glycol	30%
Max. Recommended primary circuit flow rate	1.2 m <sup>3</sup> /h

### HEATING.

The temperature setting operates on the principle of set point regulation and can be fixed within application limits.

Heating Set Point	50 to 75°C
Nom. heating net output	As primary and heating circuit controls permit
Heating circuit	Maximum pressure rating: 10 bar as primary and heating circuit controls permit
Pump	UPS 15/60
Pump bypass setting	0.45 bar
Heating control circuit	VOLT FREE

### ELECTRICAL.

Power supply	230 V (ac)±10% 50 Hz
Max. Power consumption	105 W
Protection class	IP 40
Actuator	Stepper 24 V
Probes	NTC 10 kΩ

### DOMESTIC HOT WATER - DHW INCLUDING OPTIONAL PRE HEAT FUNCTION.

The DHW function takes priority over the heating function controlled by the DHW priority flow switch.

Set Point DHW temperature	42 to 60°C
Max. Domestic hot water pressure	10 bar
DHW circuit max. flow rate	18 l/m (0.3 l/s)
Min. flow rate to activate domestic flow sensor	2.7 l/m ±0.3
Max. Differential pressure on domestic water modulating valve	Δp 0.9 bar
Min. Differential pressure on domestic water modulating valve	Δp 0.35 bar
Nom. DHW heat exchanger net output	50 kW - Logic HIU 50 Direct MT

### CONSTRUCTION.

Frame	RAL 9010 sprayed steel
Protective shell cover	EPP (Expanded polypropylene)
Components	Brass BS EN 12165 CW617N
Pipes	Stainless steel
Exchanger	Brazed stainless steel

### INCLUDED AS STANDARD.

Heat Interface Unit MT	✓
Primary ball valve set	✓
Central heating flow & return valves	✓
DHW inlet and outlet connection valves	✓
Differential pressure control (DPC)	✓

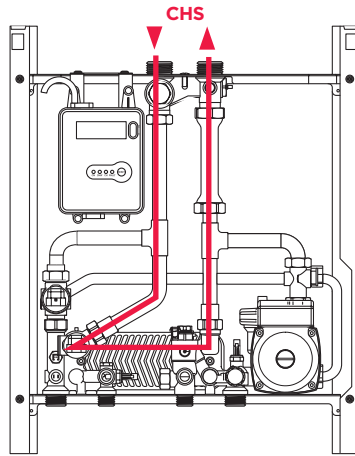
### ACCESSORIES.

Flushing By-pass	✓
CF Echo II	✓
CF Ultramaxx V	✓

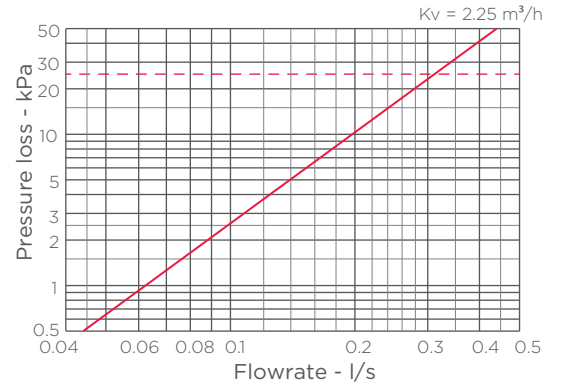
UIN	PRODUCT NAME	METERING OPTIONS
211095	Logic HIU Direct MT	HIU only, meter not included
211348	Logic HIU Direct MT	Factory fitted, CF Echo 11 MbBus 1
211352	Logic HIU Direct MT	Factory fitted, CF Ultramaxx V MBus PS

# PRIMARY FLOW CHARACTERISTICS.

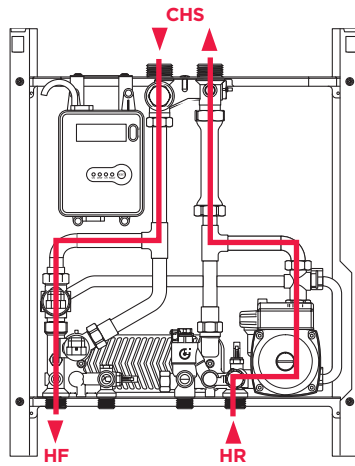
## HYDRAULIC CHARACTERISTICS DOMESTIC HOT WATER - PRIMARY SIDE.



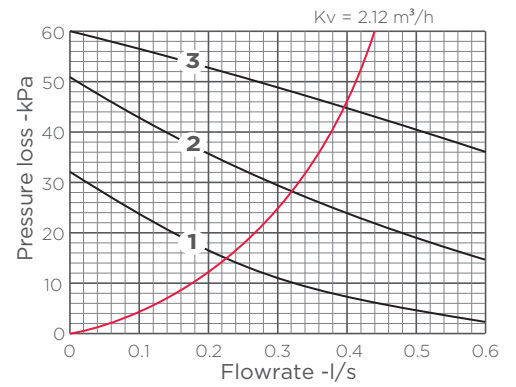
### DOMESTIC HOT WATER.



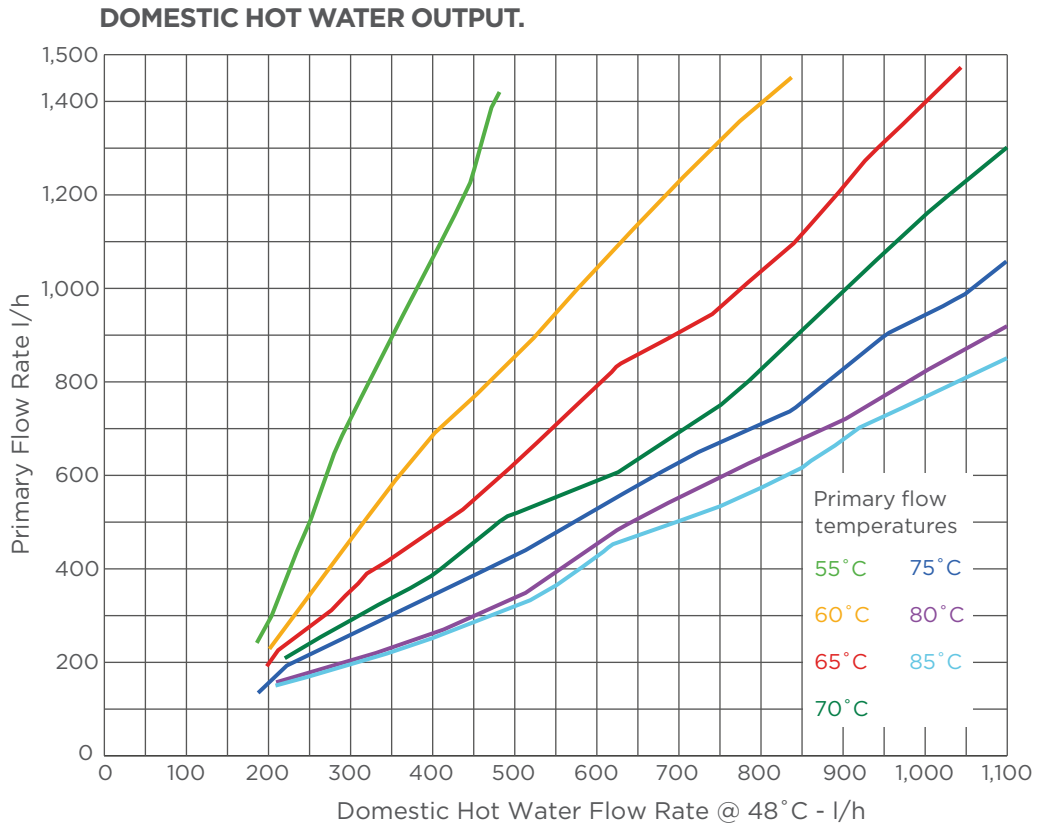
## HYDRAULIC CHARACTERISTICS HEATING - PRIMARY SIDE.



### HEATING.



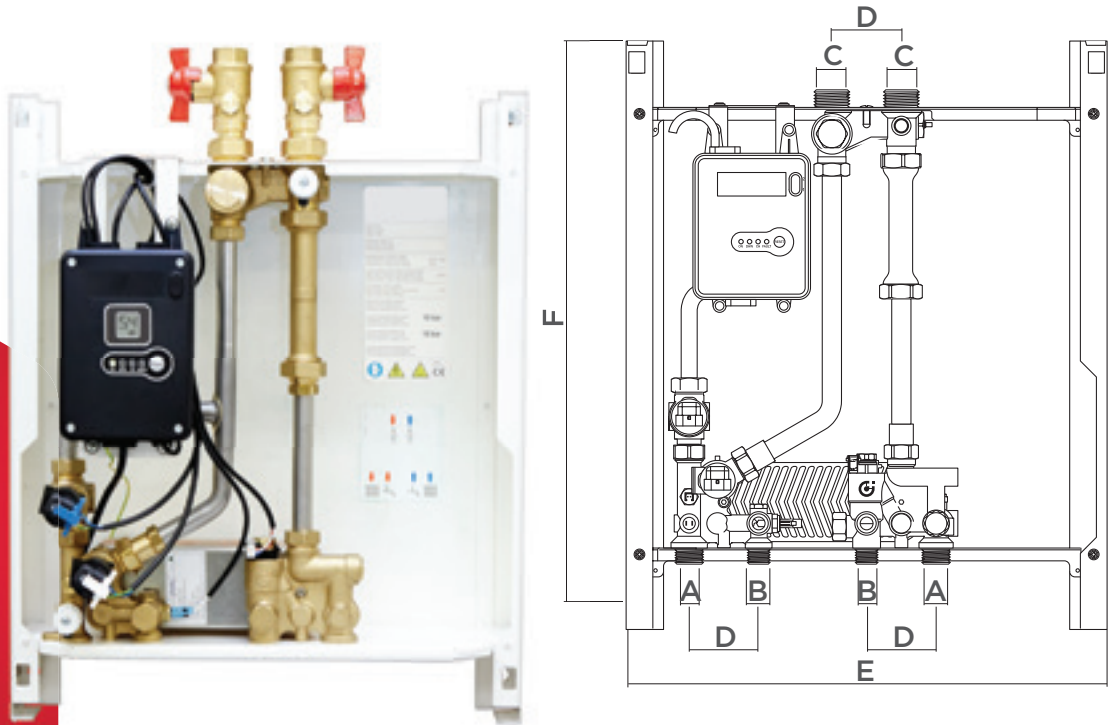




## LOGIC HIU 50 DIRECT HIGH TEMP.

The Logic heat interface unit is the latest 'intelligent' range of Logic HIUs from Ideal. The Logic HIU is the complete solution for instantaneous hot water production and space heating control.

This is a direct wall mounted HIU, providing 50 kW indirect instantaneous priority Domestic Hot Water (DHW). Central Heating (CH) is dependent upon the primary system design and pump specification.



**CONNECTION**

	<b>A</b>	<b>B</b>	<b>C</b>
Thread	G3/4"	G1/2"	G1"*

<b>D</b>	<b>E</b>	<b>F</b>	<b>Depth inc. Cover</b>	<b>kg</b>
65mm	450mm	550mm	265mm	16

### FEATURES & BENEFITS.

- Single plate design hydraulically separates the domestic water with the space heating supplied directly from the central primary supply
- Internal electronic control unit with LCD display
- Compact and lightweight
- Fully insulated EPP front cover
- Includes differential pressure control valve (DPCV)\*\* supplied and fitted to the base of the unit
- Ability to pre-heating of the DHW exchanger

\* After shut-off valves are installed the connections become a female 3/4". \*\* Not shown on components illustration.

**LOGIC HIU.**  
50 DIRECT HT

## OPERATION.

### PRIMARY PERFORMANCE.

Maximum working pressure:	10 bar
Maximum temperature	85°C
Max. Percentage of glycol	30%
Max. Recommended primary circuit flow rate	1.2 m <sup>3</sup> /h

### HEATING.

The temperature setting operates on the principle of set point regulation and can be fixed within application limits.

Heating Set Point	Dependent on primary system
Nom. heating exchanger net output	As primary and heating circuit controls permit
Heating circuit	Maximum pressure rating: as primary and heating circuit controls permit
Heating control circuit	VOLT FREE

### ELECTRICAL.

Power supply	230 V (ac)±10% 50 Hz
Max. Power consumption	TBC
Protection class	IP 40
Actuator	Stepper 24 V
Probes	NTC 10 kΩ

### DOMESTIC HOT WATER - DHW

#### INCLUDING OPTIONAL PRE HEAT FUNCTION.

The DHW function takes priority over the heating function controlled by the DHW priority flow switch.

Set Point DHW temperature	42 to 60°C
Max. Domestic hot water pressure	10 bar
DHW circuit max. flow rate	18 l/m (0.3 l/s)
Min. flow rate to activate domestic flow sensor	2.7 l/m ±0.3
Max. Differential pressure on domestic water modulating valve	Δp 0.9 bar
Min. Differential pressure on domestic water modulating valve	Δp 0.35 bar
Nom. DHW heat exchanger net output	50 kW - Logic HIU 50 Direct HT

### CONSTRUCTION.

Frame	RAL 9010 sprayed steel
Protective shell cover	EPP (Expanded polypropylene)
Components	Brass BS EN 12165 CW617N
Pipes	Stainless steel
Exchanger	Brazed stainless steel

### INCLUDED AS STANDARD.

Heat Interface Unit HT	✓
Primary ball valve set	✓
Central heating flow & return valves	✓
DHW inlet and outlet connection valves	✓
Differential pressure control (DPC)	✓

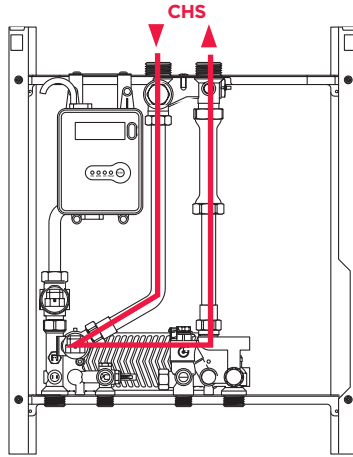
### ACCESSORIES.

Flushing By-pass	✓
CF Echo II	✓
CF Ultramaxx V	✓

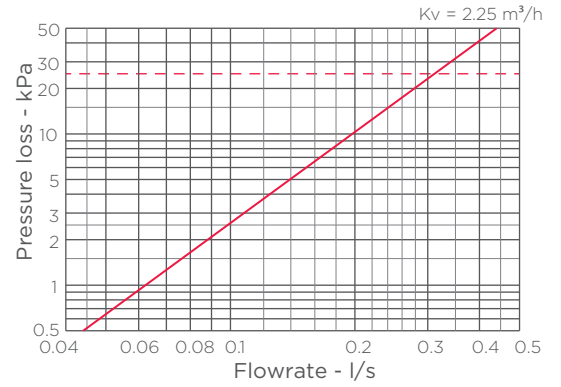
UIN	PRODUCT NAME	METERING OPTIONS
211096	Logic HIU Direct HT	HIU only, meter not included
211349	Logic HIU Direct HT	Factory fitted, CF Echo II Mbus 1
211353	Logic HIU Direct HT	Factory fitted, CF Ultramaxx V Mbus PS

# PRIMARY FLOW CHARACTERISTICS.

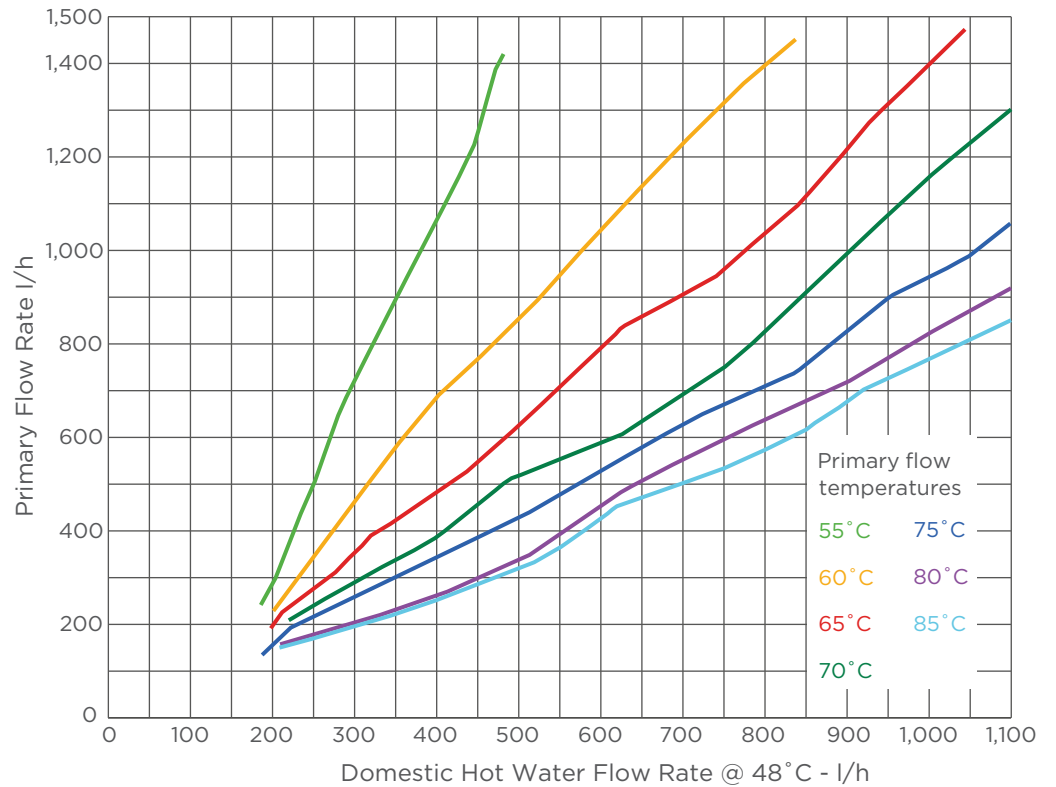
## HYDRAULIC CHARACTERISTICS DOMESTIC HOT WATER - PRIMARY SIDE.



### DOMESTIC HOT WATER



## DOMESTIC HOT WATER OUTPUT.



**LOGIC HIU.**  
50 DIRECT HT

# METERING & ACCESSORIES.

## CF ECHO II.



- RHI compliant
- Ultrasonic pulse measurement
- MID certified (Measuring instruments directive)
- MBus + 1 water meter



MODEL	METER	SALES CODE
Logic HIU 75 Indirect		211346
Logic HIU 50 Indirect	Factory fitted CF Echo II MBus 1	211347
Logic HIU 50 Direct MT		211348
Logic HIU 50 Direct HT		211349



## CF ULTRAMAXX V.

- RHI compliant
- Ultrasonic pulse measurement
- MID compliant (Measuring instruments directive)
- MBus PS



MODEL	METER	SALES CODE
Logic HIU 75 Indirect		211350
Logic HIU 50 Indirect	Factory fitted CF Ultramaxx V MBus PS	211351
Logic HIU 50 Direct MT		211352
Logic HIU 50 Direct HT		211353



**FLUSHING BYPASS**  
SALES CODE 211097

## ACCESSORIES.

### FLUSHING BYPASS:

- Connects to primary flow on boiler plant side
- Enables main system pipework to be flushed and cleaned whilst HIU remains isolated
- Blanking ports as standard to allow for measuring differential pressure (test points required)





## EVOMAX WALL HUNG 30 - 150 kW.

Available in outputs of 30, 40, 60, 80, 100, 120 and 150 kW, the Evomax is designed to ensure all installation requirements can be achieved. There is also an LPG Evomax range from 30 - 80 kW for off mains installations.



### FEATURES.



2 YEAR  
WARRANTY



COMPACT  
WALL HUNG



FLUE  
VARIANTS



NOx  
CLASS 5



MADE IN  
THE UK



AVAILABLE  
ON BIM



Authorised User No. 00041

### FEATURES & BENEFITS.

- Largest range of outputs in market (30 - 150 kW)
- Robust and light aluminium silicon alloy heat exchanger
- Up to 110% part load efficiency
- High 5:1 turndown
- Compact - one width & height for easy siting
- Simple controls interface with large backlit display
- Comprehensive range of options
- Designed for easy installation, commissioning and servicing
- Quality product through design, component selection and proving
- NOx <40mg/kWh (Class 5) for all natural gas models
- 2 year parts and labour warranty

**CONDENSING  
BOILERS RANGE.**

## BOILER FRAME AND HEADER KITS.



The Frame and Header Kits are suitable for modular (cascade) boiler installations, and are available up to a maximum output of 600 kW, in both in-line and back-to-back arrangements.

### IN-LINE KITS

Packs include flow and return headers with mixing header and gas header, all with fixing brackets. For easy connection flexible stainless steel pipe and connections are supplied together with pressure relief valves, boiler shut off valves and drain cock. Appropriately sized ErP modulating shunt pumps are also included. Flow, return and low loss headers together with the flexible boiler connections are all pre insulated. Separate single boiler frame kits are available for use with in-line kits if required.

### BACK-TO-BACK KITS

Packs include all the in-line contents plus the required special frame kits for such compact installations.

Mixing header kits and modulating pump kits are also available separately.

## LOW HEIGHT FRAME AND HEADER KITS.

The Low Height Frame and Header Kits make installation much simpler in circumstances of reduced headroom, offering an option of replacing a floor standing atmospheric boiler with a high efficiency model.

Three options are available allowing for outputs from 30 kW to 450 kW.





## IMAX XTRA FLOOR STANDING 80 - 560 kW.

The Imax Xtra range of condensing boilers is offered in ten models with outputs from 80 to 560 kW suitable for floor standing application in either single or multiple applications.



### FEATURES.



2 YEAR  
WARRANTY



FLOOR  
STANDING



NOx  
CLASS 5



MADE IN  
THE UK



AVAILABLE  
ON BIM

### FEATURES & BENEFITS.

- Robust cast aluminium silicon alloy heat exchanger
- In-built commissioning and fault diagnostics
- Volt free contacts and BMS operation standard
- Meets Building Regulations (Part L2)
- Compact size - small footprint
- High 5:1 turndown
- Up to 107.5% nett efficiency (fully condensing)
- Fits through standard doorways
- Conventional or room sealed flue options
- Direct weather compensation option
- NOx <40mg/kWh (Class 5) for maximum BREEAM points
- 2 year parts and labour warranty

**CONDENSING  
BOILERS RANGE.**



## EVOMOD MODULAR, FLOOR STANDING 250 - 1000 kW.

Available in 250, 500, 750 and 1000 kW, 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.



2 YEAR  
WARRANTY



FLOOR  
STANDING



NOx  
CLASS 5



MADE IN  
THE UK



AVAILABLE  
ON BIM



MODULAR



### FEATURES & BENEFITS.

- Modules stack up to 3 high for 750 kW
- 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)
- 2 year parts and labour warranty
- Up to 108.5% nett efficiency (fully condensing)
- Single boiler control for all module options

# COMMERCIAL

## BOILERS - RANGE OVERVIEW.

### CONDENSING BOILERS.



#### EVOMAX

- Wall Hung
- Cast Aluminium Alloy
- 30-150 kW warranty
- 30-80kW LPG available



#### IMAX XTRA

- Floor Standing
- Cast Aluminium Alloy
- 80-560 kW
- 5:1 turn down



#### EVOMOD

- Floor Standing
- Modular
- 250-1000 kW
- 5:1 up to 20:1 turn down

### STANDARD EFFICIENCY BOILERS.



#### CONCORD CXA/ CXS/ CXSi

- Modular
- 40-720 kW
- Cast Iron Heat Exchanger



#### CONCORD ESi

- Floor Standing Modular
- 140-380 kW



#### CONCORD SUPER SERIES 4 & SUPER PLUS

- Floor Standing Modular
- 50-600 kW

## PRESSURE JET (GAS AND OIL) BOILERS.

**BUCANEER GTE (21-39 kW)** as shown.

**FALCON GTS (40-100 kW)**

**HARRIER GTS (105-330 kW)**

**VICEROY GTS (300-780 kW)**

**VISCOUNT GTS (754-1450 kW)**



- Floor Standing
- Cast Iron
- Range of matched burners



### VANGUARD L

- Floor Standing Steel Shell and Tube
- 340-3500 kW
- Range of matched burners

## HEAT INTERFACE UNITS (HIU).

### MODELS AVAILABLE:

LOGIC HIU 50 INDIRECT

LOGIC HIU 75 INDIRECT

LOGIC HIU 50 DIRECT  
MEDIUM TEMP. (MT)

LOGIC HIU 50 DIRECT  
HIGH TEMP. (HT)

- Indirect 50 & 75 units with twin plate design
- Direct 50 MT & HT units with single plate design
- Light weight and compact
- Ultrasonic metering options available



# Did you know...

## Stelrad now offers full specification advice and support



### **A leader in radiant and convective heating with efficiency at its heart**

Stelrad is the UK's largest manufacturer of radiators; a business that has built a reputation for quality, efficiency, and service across Europe. As part of the Ideal Stelrad Group, we offer the widest range of radiator styles and sizes in the UK, ensuring that there is always a product to meet the needs of your project.

Flat Horizontal



Flat Vertical



Line Horizontal



Line Vertical



Line Perimeter





### Comfort and performance

When striking the right balance between comfort and performance, traditional radiators offer many benefits, optimising efficiency whilst delivering localised comfort without the drying effects associated with air handling systems; essential for the wellbeing of a building's occupants.

### Complete local control

The simplicity of thermostatic radiator valves provides complete local control over environments, allowing temperatures to be adjusted to suit their personal needs. This improves comfort levels and ensures energy is only used when most needed. Combined with centralised zoning controls, the energy usage of the building can be regulated and adjusted accurately to improve efficiency.



### Integral part of the building services

Radiant and convective heating products play an important role in a building's integrated environmental systems, whether fed from traditional or renewable sources. When considering ambient room temperatures, efficiency, and natural ventilation, a combination of technologies delivers superior environmental comfort and control.

### Specification support for optimum system configuration

Through years of delivering efficient heating solutions, across a wide range of sectors, our technical team has the knowledge and expertise to support you in achieving optimum system configurations to meet the needs of your projects. Working closely with you, we provide the advice and technical specifications to help enhance the efficiency of your building and environmental systems.



### Traditional solution to modern problems

Radiators offer a solution that meets the needs of both modern and traditional buildings, whether new build or refurbishment. The aesthetic appeal and energy efficiency offered by modern radiators delivers the perfect addition to building and system design, whether as a feature or as the primary source of heating.

**Contact us to find out how we can support your project:  
call 01709 578950 or email  
info@stelrad.com**

**www.stelrad.com**

Slim Tube Horizontal



Slim Tube Parallel



Oval Vertical



Oval Horizontal



Radical



# + GET MORE WITH IDEAL.



## PIONEERING HEATING SOLUTIONS SINCE 1905.

Here at Ideal, we understand that having the confidence to be able to specify and install a wide range of products is an essential part of your day-to-day job.

With this in mind, all of our training courses have been designed to ensure that you get the most out of time spent off the road. We have created a wide range of comprehensive training courses, utilising both classroom and hands-on learning techniques to assist you in becoming a more efficient heating engineer.

Our state-of-the-art Centres of Excellence based in Leeds and Reading, coupled with a number of satellite training centres, offer easy access for installers and service engineers from across the country.

## COURSES ARE AVAILABLE ON THE FOLLOWING PRODUCTS:

### DOMESTIC

- **Logic and Logic+ range**  
Combi, Code Combi, Heat and System
- **Vogue range**  
Combi and System

### COMMERCIAL

- **Evomax range**
- **Imax Xtra**
- **Evomod range**
- **Concord CX range**
- **Concord Super range**
- **Imax W**
- **Imax Plus**
- **HIU range**

**TO BOOK YOUR COURSE OR FOR FURTHER INFORMATION CONTACT US ON: 01482 498 432 OR EMAIL: [technical.training@idealboilers.com](mailto:technical.training@idealboilers.com)**

## SERVICE & SUPPORT.

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At Ideal, we are committed to 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.

You can be confident to know that you're partnering with a British manufacturer that's supported by a dedicated national service team, delivering help and advice to you and your customers throughout the year.

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.

The call centre team, based in Hull, East Yorkshire, is comprehensively trained to provide tailored advice. All calls will be answered by trained members of staff who will take ownership of the call. All of our trained staff are on-hand to assist with enquiries or help diagnose and resolve faults over the telephone. Should that not be possible, we will arrange an appointment for one of our engineers to visit. Our dedicated team of engineers are fully trained to exacting standards and are all Gas Safe registered.



## IDEAL BOILERS HEATING SERVICE.

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### SALES

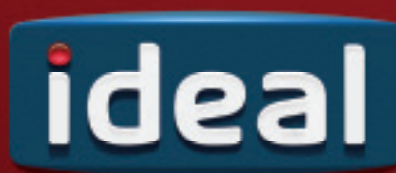
Tel: 0870 849 8056

### TECHNICAL

Tel: 01482 440 237

### OR EMAIL

[enquiries@idealboilers.com](mailto:enquiries@idealboilers.com)



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