



## Astro Boiler Control Panels



## Comet Features

- 100% efficient
- Instant Domestic Hot Water
- Low Running Noise (32Db)
- Suitable for Underfloor Heating
- Rapid Heat Up Times
- No Mandatory Maintenance required
- 5 Year Warranty (T&C's Apply)
- Internal RCD Protection
- Fully Modulating Control System
- Integral System Diagnostics
- Easy Fit Connectors & Sensors
- High Current Thermal Cut Out
- Pressure Gauge
- ErP Smart Pump

- The Astro Electric Combi Boiler provides a very cost effective alternative to electric storage heating, oil, solid fuel or LPG systems.
- It is the perfect solution to properties with no access to mains gas supply and homes which have gas boiler restrictions e.g. listed buildings and bed sit sleeping areas.
- Not only is the Astro Electric Combi Boiler the ideal choice for wet central heating but is also suited to Underfloor Heating.
- The Boiler outputs are 12kW & 14.4kW Single Phase, and 18kW & 24kW Three
- The operating temperatures of the boiler can be adjusted using the easy to use Control Panel which boasts a LED display the temperature outputs range
- from 30 C 60 C (Hot Water) and 30 C 80 C (Heating) With superior performance and reliability, the Fusion Astro Electric Combi Boiler provides on demand heat and instantaneous domestic hot water. They are suitable for small Properties that have a Shower and Hot Water outlets for sinks.
- In homes with larger hot water requirements, it can be combined with a hot water storage cylinder via an 'S' Plan configuration.
- Consumption of the Astro Electric Combi Boiler is highly efficient, due to its superior inner design. With no flue requirement the Astro Electric Comb Boiler rapidly provides Heating and Domestic Hot Water.
- If 3Phase Electricity is available our 18 & 24Kw Astro Electric Combi Boiler would have sufficient flow rates to fill a Bath in a suitable timescale.

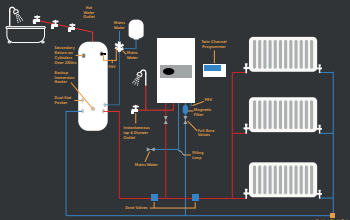
# SPECIFICATIONS

Height: 740mm Width: 435mm Depth: 320mm Weight: 25kg

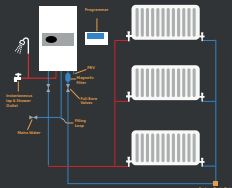
Outputs from 12kW to 24kW, provides instant domestic hot water & heating

CAPACITY					
Supply Type		1Ph	1Ph	3Ph	3Ph
Heating Power	kW	12	14.4	18	24
Capacity	BTU	40968	49161	61418	81888
Maximum Working Pressure ( Heating )	Bar	3	3	3	3
Maximum Working Pressure ( DWH )	Bar	6	6	6	6
Heating Circuit Temperature Range	°C	30-80	30-80	30-80	30-80
Hot Water Temperature Range	°C	30-80	30-80	30-80	30-80
Hot Water Output ( $\Delta T=30^{\circ}\text{C}$ )	L/min	5	6	9	11
DIMENSIONS					
Height	mm	740	740	740	740
Width	mm	435	435	435	435
Depth	mm	320	320	320	320
Net Weight	Kg	38	38	38	38
Gross Weight	Kg	42	42	42	42
ELECTRICAL					
Minimum Cable Size	mm <sup>2</sup>	16	16	5x6	5x6
Time Delayed RCD Specification	A/mA	63/30	80/30	40/30	40/30
Circuit Protective Device	Amps	63	80	32	40
Voltage / Frequency	V~Hz	230/50	230/50	400/50	400/50
Load Current	Amps	52	65	26	35
Element Resistance	ohms	13	33	27	20
HYDRAULIC					
Heating Circuit Pipe Connections	inch	3/4"	3/4"	3/4"	3/4"
DHW Pipe Connections	inch	1/2"	1/2"	1/2"	1/2"

# INSTALLATION



Fusion Astro Combi Hybrid System



Fusion Astro Combi System



### EC10012 ROOM THERMOSTAT

- Hard Wired
- Diaphragm
- Temperature Sensor
- Ideal for Surface or
- Pattress Box mounting
- 10 C 30 C Set Point



### ESFS15C SHOWER FLOW SENSOR

- 15mm Compression Fittings
- Auto Shutdown of the Boiler when the Shower is running
- Normally open & normally closed connections supplied



### EC10011 TWIN CHANNEL HEAT PACK

- Twin Channel Heatpack
- Room Thermostat
- Cylinder
- Thermostat Wiring Centre
- 2 x 2 Port Zone Valves



### ECLCSCHP SINGLE BOILER COMPONENT PACK

- 8 Litre Robo kit
- Auto air vent
- Magnetic Filter
- Pump
- 2 No Pump valves.
- Room Stat.
- Single channel programmer



### ECLCTCHP TWIN BOILER COMPONENT PACK

- 8 Litre Robo kit
- Auto air vent
- Magnetic Filter
- Pump
- 2 No Pump valves
- Room Stat
- Twin channel programmer
- Wiring Centre
- Auto bypass valve
- 2 No. 22mm 2 Port zone valves



### S/PACK/1 EHC SINGLE CHANNEL HEAT PACK

- Electronic single channel time programmer.
- Room Thermostat.
- User can select 7 day, 5/2 day or 24 hour.
- Three on/off settings.
- Boost (+1 hour) and Advance Buttons.
- ON, Auto, All Day and Off operating mode.
- Battery Back up in the event of a power failure.
- Illuminated Display.



### EC10001 EHC SINGLE CHANNEL PROGRAMMER

- Selection of Modes
- 24 Hours, 5/2 Day & 7 Day
- 2 or 3 ON/OFF Selector
- Preset program settings
- Standard Back Plate
- Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.



### EC10002 EHC TWIN CHANNEL PROGRAMMER

- Selection of Modes
- 24 Hours, 5/2 Day & 7 Day
- 2 or 3 ON/OFF Selector
- Preset program settings
- Standard Back Plate
- Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

