

Vokera  
BY RIELLO



HYDROGEN  
READY  
20%

**THE FUTURE IS IN YOUR HANDS**

A Carrier Company



HYDROGEN  
READY  
20%

# Unica MAX

## 20% Hydrogen-ready boiler

The Vokèra Unica MAX is a hybrid enabled, 20% hydrogen-ready gas condensing boiler range. Developed to meet the current and future integration needs of various energy sources, including gas, electricity and renewables, the boilers have active combustion control (ACC) so they can adapt to the air/gas mix according to the variations in gas quality.



	Combi		System	
	35C	40C	20S	30S
20% hydrogen blend ready	✓	✓	✓	✓
10 year warranty as standard	✓	✓	✓	✓
Embedded digital clock	✓	✓	✓	✓
Built-in filling loop	✓	✓	—	—
Upgraded electronic interface (colour and hybrid)	✓	✓	✓	✓
Click fit flue system for ease of installation	✓	✓	✓	✓
OpenTherm protocol embedded	✓	✓	✓	✓
Combined PRV outlet and condensate discharge pipe	✓	✓	✓	✓



10 Year  
Warranty



Hybrid Ready



OpenTherm  
Inside



Text Driven  
Menu



Built-in  
Filling Loop



High DHW  
Performance



Click Fit Flue



Stainless Steel  
Heat Exchanger



Compatible Of  
The Box



Reduced Emissions  
ACC Inside

# Building on Riello's rich heritage

## Unrivalled innovation in heating technology since 1922

Since 1922 Riello has been unrivalled in innovation for heating technology. Today, Riello is a market leader with a worldwide presence and continues its rich heritage of innovation for current and future generations to come.

Continual research, innovation and collaboration ensures that we are able to design and develop market-leading heating technologies that establish new global standards in terms of performance, practicality, energy efficiency and sustainability.

### **Vokèra by Riello**

Vokèra, through its parent company Riello Group, is a part of Carrier, a leading global provider of innovative heating, ventilating and air conditioning (HVAC), refrigeration, fire, security and building automation technologies. The company has been providing reliable, high efficiency heating and hot water solutions for over 35 years and today we offer a comprehensive range of

domestic gas boilers to suit all homes.

High standards of quality and reliability are the cornerstones of the development and manufacture of all Vokèra by Riello boilers and we achieve this with rigorous quality testing in the journey from product concept through to market launch and beyond.



**A rich heritage:** since 1922 Riello has been unrivalled in innovation for heating technology.



# Renewable energy solution

## Decarbonising heat

Residential buildings account for around 15% of the UK's green house gas emissions. If we are to meet the UK's target of reaching Net Zero emissions by 2050 it is clear we must decarbonise our heating.

At Vokèra by Riello, led by our parent company Carrier, we recognise that we have a responsibility and opportunity to have a positive impact on climate change, both by innovating world-class, energy-efficient products and reducing our own carbon footprint.

### Manufacturing processes

Carrier has committed to a number of ambitious environmental targets for 2020, including:



Reduce Green House Gas Emissions by 15%



Reduce water consumption by 25%



Implement 100% water best management practice



Reduce hazardous waste generation by 10%



Increase recycling waste by 90%



Eliminate the use of chlorinated and brominated solvents

All of which were achieved or exceeded. The company continues to drive ambitious sustainability targets to meet the Net Zero 2050 target.

### Products for the future

As well driving sustainability in our manufacturing processes we are developing products to meet the requirements of the future. In the journey to Net Zero, hydrogen-ready boilers are considered key to enabling the conversion of existing gas distribution networks from natural gas to low-carbon hydrogen.

### Hybrid ready boiler

The embedded Unica MAX control combines the familiar performance of a traditional boiler with the renewable energy of an air source heat pump; the system automatically switches between them depending on which will deliver the best energy efficiency at the time. The Unica MAX control can also integrate a domestic hot water cylinder, solar thermal array and thermal store in addition to the boiler and heat pump.

# 35C & 40C models

## Combi models

Available in two combi boiler models: 35C and 40C Unica MAX incorporates a modulating high efficiency circulator and offers an expansion vessel capacity of 10 litres in 35 and 40kW The 40kW combi version provides an impressive domestic hot water flow rate of 16.4l/min at  $\Delta T 35^{\circ}\text{C}$  temperature rise.

The Unica MAX combi and system boilers feature a large bore stainless steel heat exchanger. The inclusion of a retarder ensures full contact between flue products and waterway with front access making servicing a quick and easy operation.



SPECIFICATIONS	UNICA MAX 35C	UNICA MAX 40C
PRODUCT ORDER CODE	20188336	20188337
CENTRAL HEATING		
HEAT INPUT (kW)	32	32
MAXIMUM HEAT OUTPUT 60/80°C (kW)	31.23	31.23
MAXIMUM HEAT OUTPUT 30/50°C (kW)	34.37	34.37
DOMESTIC HOT WATER		
HEAT INPUT (kW)	34.60	40.00
FLOW RATE - 35°C RISE (L/MIN)	14.2	16.4
DIMENSIONS		
HEIGHT x WIDTH x DEPTH (MM)	740 x 470 x 350	
WEIGHT		
DRY WEIGHT (KG)	40	40
CONNECTIONS		
FLOW & RETURN	22MM	
GAS	15MM	
DHW INLET & OUTLET	15MM	
SAFETY VALVE / CONDENSATE	21MM	
ELECTRICAL		
VOLTAGE (V/Hz)	230/50	
EFFICIENCY		
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/94	
ErP WATER HEATING EFFICIENCY (XL PROFILE) (CLASS/%)	A/85	
NO <sub>x</sub> CLASS	6	



# 20S & 30S models

## System models

To complement the combi boilers there are also two system boilers in the range: 20 and 30kW. These boilers can provide heat only or be paired with a Vokèra AquaFlow unvented cylinder to provide hot water storage. Like the combi models the system boilers feature a colour liquid crystal display user interface; this full text menu-driven control enables both the installer and end user

to quickly navigate through the boiler's parameters and settings, including an optional embedded time clock programming the heating on and off times as desired. The display will also provide installers with excellent diagnostics



SPECIFICATIONS	UNICA MAX 20S	UNICA MAX 30S
PRODUCT ORDER CODE	20188338	20188339
CENTRAL HEATING		
HEAT INPUT (kW)	20	32
MAXIMUM HEAT OUTPUT 80/60°C (kW)	19.5	31.23
MAXIMUM HEAT OUTPUT 50/30°C (kW)	21.32	34.37
DIMENSIONS		
HEIGHT x WIDTH x DEPTH (MM)	740 X 420 X 275	740 X 470 X 350
WEIGHT		
DRY WEIGHT (KG)	32	37.5
CONNECTIONS		
FLOW & RETURN	22MM	
GAS	15MM	
SAFETY VALVE / CONDENSATE	21MM	
ELECTRICAL		
VOLTAGE (V/Hz)	230/50	
EFFICIENCY		
ErP SEASONAL SPACE HEATING ENERGY EFFICIENCY (CLASS/%)	A/93	A/94
NO <sub>x</sub> CLASS	6	6



UNICA MAX				
	35C	40C	20S	30S
ERP HEATING EFFICIENCY (A)	94%	94%	93%	94%
ERP HOT WATER EFFICIENCY (A)	85%	85%	N/A	N/A
FIXING JIG	OPT ACC	OPT ACC	N/A	N/A
NATURAL GAS / LPG OUT OF THE BOX	✓	✓	✓	✓
FILLING LOOP	✓	✓	N/A	N/A
LARGE BORE STAINLESS STEEL RADIAL HEAT EXCHANGER	✓	✓	✓	✓
FRONT SERVICING	✓	✓	✓	✓
HYDROGEN BLEND 20% READY	✓	✓	✓	✓
NO <sub>x</sub> CLASS-6	✓	✓	✓	✓
PRESSURE TRANSDUCER	✓	✓	✓	✓
COMBUSTION AIR FILTER	✓	✓	✓	✓
CLICK-FIT FLUE	✓	✓	✓	✓
DHW FLOW TURBINE	✓	✓	N/A	N/A
HYBRID READY	✓	✓	✓	✓
EXTERNAL APPLICATIONS KIT	✓	✓	✓	✓
HIGH MODULATION (UP TO 1:8)	✓	✓	✓	✓
LCD TEXT DRIVEN DISPLAY	✓	✓	✓	✓
BUILT-IN 7 DAY TIME CLOCK (PARALLEL SHIFT WITH THERMOREGULATION)	✓	✓	✓	✓
AUTOSTOP (VIA OPTIONAL ACCESSORY)	✓	✓	✓	✓
COMBINED SAFETY VALVE AND CONDENSATE DISCHARGE	✓	✓	✓	✓
BACK LIT DISPLAY	✓	✓	✓	✓
ALARM HISTORY	✓	✓	✓	✓
MULTI LEVEL ACCESS	✓	✓	✓	✓
HIGH EFFICIENCY MODULATING PUMP WITH FOUR MODES	✓	✓	✓	✓
BUILT-IN WEATHER COMPENSATION WITH PARALLEL SHIFT OPTION	✓	✓	✓	✓
MODBUS PROTOCOL	✓	✓	✓	✓
OPENTHERM PROTOCOL	✓	✓	✓	✓
SOLAR COMPATIBLE	✓	✓	✓	✓
KEYPAD LOCK FUNCTION	✓	✓	✓	✓
PUMP/FAN TEST FUNCTION	✓	✓	✓	✓
HIGH/LOW TEMPERATURE SELECTION (WITH INSTALLER DEFINED PARAMETERS)	✓	✓	✓	✓
ANTI-LEGIONELLA FUNCTION	✓	✓	✓	✓
INFO MENU FUNCTION	✓	✓	✓	✓

Rated 'Excellent' on  Trustpilot

GET IN TOUCH

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WE ARE SOCIAL





Ignition generator module

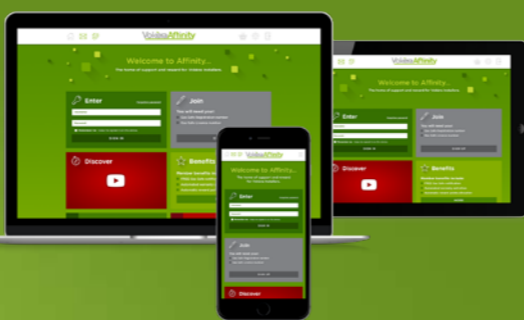
Drain from air combustion tube

35C / 40C / 30S: 470mm  
20S: 420mm

### Celebrating 15 years of Vokèra Affinity

# Affinity

# 15



- Celebrating 15 years of Vokèra Affinity
- Bonus points for multiple installations
- New and improved reward catalogue
- New member status – rewarding the most loyal and prolific installers

Join at: [www.vokeraaffinity.co.uk](http://www.vokeraaffinity.co.uk)

**VokèraAffinity**

Large bore stainless steel heat exchanger

35C / 40C: 740mm  
20S / 30S: 740mm

10 litre expansion vessel

Combustion air filter

ACC (Active Combustion Control)

Modulating Riello pump

High performance plate heat exchanger

DHW flow turbine

Stepper motor diverter valve

Pressure transducer

Combined safety valve & condensate discharge

Modbus connector

