IMMERGAS
We are the energy of change

CONDENSING

NEW

VICTRIX OMNIA V2

Wall-hung combi condensing boiler

H_2 READY FOR 20% HYDROGEN

Compact, easy and
Hydrogen Ready technology.

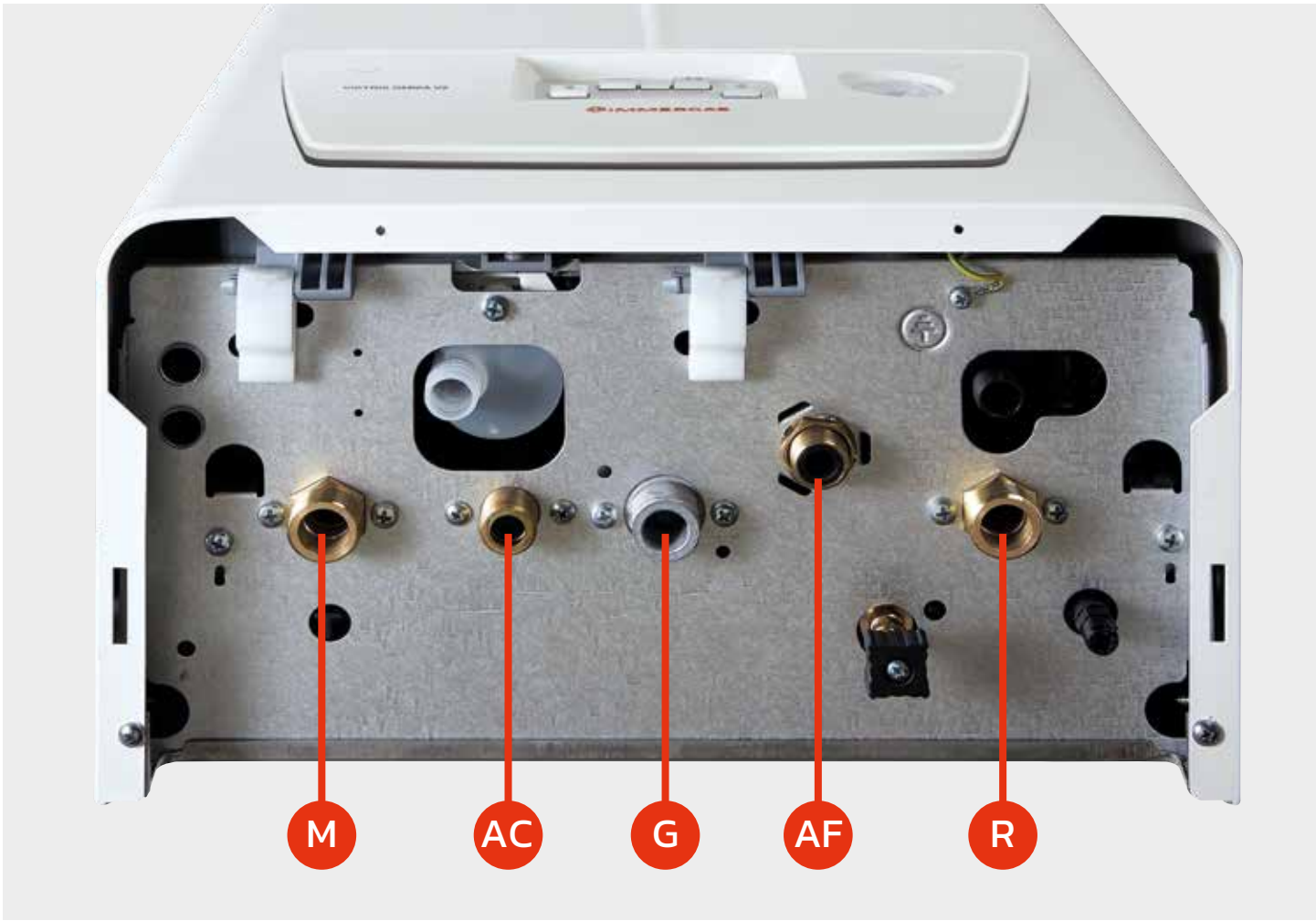
VICTRIX OMNIA V2

With DIN fittings, ideal for replacement of old generators

In Europe, there are millions of boilers approaching replacement time and most of them feature **DIN type fittings.** VICTRIX OMNIA V2 is the new boiler **with the same DIN-type plumbing and gas fittings as the old generators**, which makes installation easier, reduces assembly time and offers a **very good quality/price ratio.**

Designed to comply with European Directives on energy use, VICTRIX OMNIA V2 is an excellent fully premixing boiler. Thanks to its extremely **compact size** it offers a large range of installation solutions: indoor, recessed and outdoor in partially protected places.

Among the new features: a **very high-efficiency** exchanger with stainless steel tubes ηs 94% (boiler classification, **combined with thermoregulation, in A+**), is ready to work with a blend of Hydrogen 20% and can be installed in collective flue systems operating udnder positive pressure by means a clapet valve options.



DIN-TYPE FITTINGS FOR EASY, CLEAN INSTALLATION
Thanks to the sequence of DIN connections, our VICTRIX OMNIA V2 boiler is easy to install when replacing obsolete boilers that have high consumption levels.
DIN connections are characterized by **the central "G" fitting** between supply and return connections to the heating system (M-R) and to the water supply system (connection to the water mains AF and domestic hot water supply to household units AC).

NEW DESIGN
White dashboard aesthetic cover with gray border and glossy user interface (glass effect) equipped with buttons to make adjustments and a central display to view parameters of boiler operation. Serigraphs and silver gray symbols. The lower grille to cover the connections is standard.

ELECTRONIC AIR/GAS CONTROL
The electronic gas valve enables air/gas control by means of a multifunction electrode housed inside the combustion chamber; **the electronic board self-adapts combustion parameters** in case of variations in the density of air or fuel. Another important feature is that nozzles do not need to be replaced if gas is change (methane/LPG/20% blend of hydrogen): the boiler is supplied as a single product code and you simply need to make adjustments in the electronic board software.

HYDROGEN: THE SOLUTION TO REDUCE CO_2 AND GREENHOUSE GAS EMISSIONS INTO THE ENVIRONMENT

The natural gas emits carbon dioxide into the atmosphere when burned in a gas boiler, while hydrogen does not: it allows extremely low emissions and is also a fuel more energy efficient. As a larg part of carbon dioxide emissions are due to the heating industry, **this new technology can be a key weapon in the fight to reach zero carbon levels.**

To give an idea of the environmental advantages, **blending up to 20% hydrogen worldwide would save about 6 million tons of emissions of carbon dioxide per year** and would reduce greenhouse gases by 7%. If gas boilers were fully powered by hydrogen the results would be oustanding.

CONDENSING HEAT EXCHANGER IN STAINLESS STEEL

Very high performance condensing module with single-tube stainless steel coil.
Outstanding seasonal efficiency ηs 94%.
The absence of manifolds and circuits in parallel, ensures maximum reliability: they are not present welds.

The single coil in stainless steel without narrowing allows you to have an **hydraulic circuit perfectly balanced, significantly reducing flow resistances.**
The internal section, wide and constant, allows you to **limit deposits, reducing the risk of clogging in case of impurities present in the water** (for example in the case of replacement of boilers on old systems).

THERMOREGULATION

VICTRIX OMNIA V2 can be controlled remotely using a modulating chrono-thermostat (CAR^{V2}) which allows for better climatic regulation of the room temperature. In fact, it replaces the boiler control panel performing all its functions. Alternatively, a SMARTECH PLUS chrono-thermostat is the intelligent chrono-thermostat with Bluetooth technology, which allows you to adjust the heating temperature through a dedicated app.

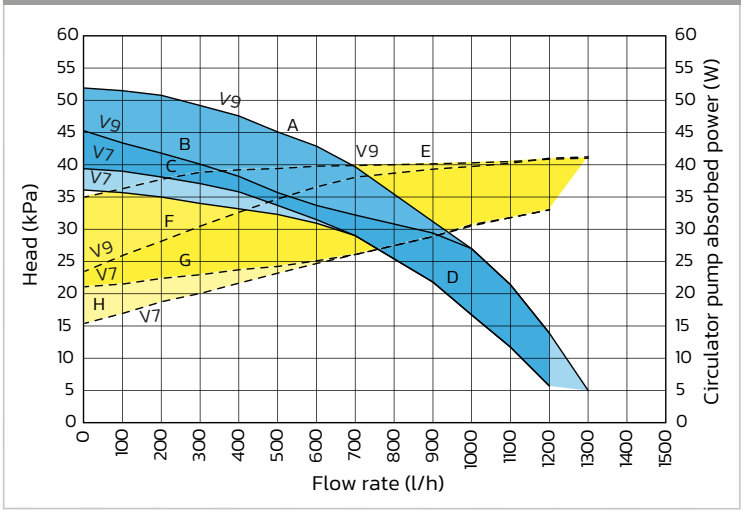
A+ CLASS

VICTRIX OMNIA V2 can reach an higher energy efficiency class (A+) if installed in combination with an Immergas thermoregulation panel such SMARTECH PLUS or CAR^{V2} + external probe.

TECHNICAL DATA

Technical characteristics	Unit of measurement	VICTRIX OMNIA V2
Code		**3.035086**
C.H. Energy class		**A**
D.H.W. Energy class/Stated load profile		**A/XL**
Maximum nominal heat input (D.H.W. mode)	kW	26,8
Maximum nominal heat input (C.H. mode)	kW	20,5
Minimum nominal heat input	kW	4,1
Maximum nominal heat output (D.H.W. mode)	kW	26,0
Maximum nominal heat output (C.H. mode)	kW	20,0
Minimum nominal heat output	kW	3,9
Efficiency at nominal heat output (80/60°C)	%	97,4
Efficiency at nominal heat output (40/30 °C)	%	107,1
Efficiency at 30% of load (delivery temperature 30°C)	%	108,8
Fan available head (Min. – Max.)	Pa	4 – 152
Weighted CO	mg/kWh	25
Weighted NO_x	mg/kWh	31
NO_x class		6
Flow rate capacity in continuous duty (ΔT 30°C)	l/min	12,4
Central heating expansion vessel capacity	litres	8,0
Electric protection index	IP	X5D
Full appliance weight (empty)	kg	33,4 (27,5)

Flow rate/head graph

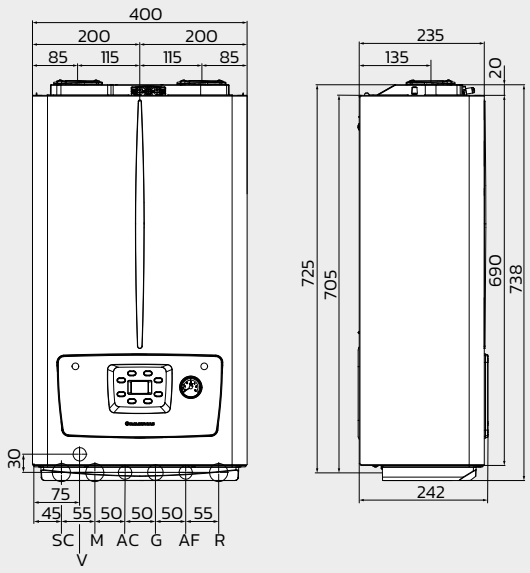


Key

1+3 = Available head with by-pass closed
2+4 = Available head with by-pass open
5+7 = Power absorbed by the pump with by-pass open (dotted area)
6+8 = Power absorbed by the pump with by-pass closed (dotted area)

v7 = Speed 7
v9 = Speed 9

VICTRIX OMNIA V2 is equipped with adjustable system by-pass.



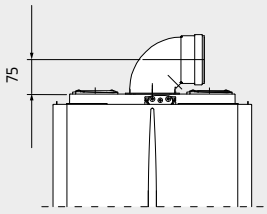
Key

V	Electrical connection
G	Gas supply (optional)
AC	Domestic hot water outlet (optional)
AF	Domestic cold water inlet (optional)
SC	Condensate drain (minimum internal diameter Ø 13 mm)
R	System return (optional)
M	System flow (optional)
A/S	Outlet/Inlet
A	Inlet
S	Outlet

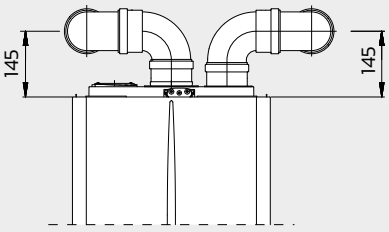
Hydraulic connections

System	D.H.W.	Gas	D.C.W.	System
M	**AC**	**G**	**AF**	**R**
¾"	½"	¾"	½"	¾"

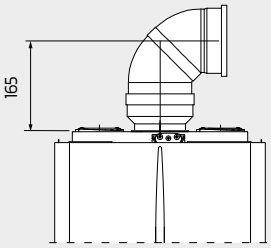
Connection kit is option.



Horizontal kit
Ø 60/100



Twin pipe kit
Ø 80/80



Horizontal kit
Ø 80/125

THERMOREGULATION

Combining VICTRIX OMNIA V2 with an heat regulation device is an excellent investment because it improves the seasonal energy efficiency of the heating system.

SMARTECH PLUS (SMART chrono-thermostat)

Type		Code
Modulating SMART chrono-thermostat and wireless remote control by Bluetooth technology Equipped with: • gateway • wall fixing base (with integrated bubble level) • table stand Transmission technology: Wi-Fi 802.11 b/g/n 2.4 GHz Distance between thermostat and gateway: max 10 mt* Power supply 2 batteries (standard) Operating ambient temperature 0 – + 40 ° C Protection class IP 20	 Dimensions (Ø x P) mm 71,5 x 35,5  Dimensions (Ø x P) mm 70 x 27	3.030909
Expansion kit To manage the temperature in several areas of the house (example living and sleeping areas). Up to 2 expansions can be controlled, for a total of 3 zones, with supervision of the various temperatures. It includes: additional SMART chronothermostat and wifi relay. (wifi network needed in the home).		3.030911
Base installation kit on electric box It allows covering the hole in the wall for electric boxes type 503.		3.031013
Bluetooth repeater kit It allows to extend communication between the Gateway and Chrono-thermostat		3.034395

CAR^{V2} (Weekly chrono-thermostat and modulating remote control)

Modulating chrono-thermostat with remote boiler controls; includes special functions such as antifreeze temperature settings and anti-legionella function (only for boilers with DHW storage tank).	 Dimensions (H x W x D) mm 103 x 142 x 31	3.021395

CAR^{V2} **WIRELESS** (Weekly chrono-thermostat and modulating remote control wireless)

Wireless chrono-modulating thermostat with remote boiler controls; includes special functions such as antifreeze temperature settings and anti-legionella function (only for boilers with DHW storage tank).	 Dimensions (H x W x D) mm 103 x 142 x 31  Dimensions (H x W x D) mm 82 x 105 x 26	3.021623

MINI CRD (MINI weekly chrono-thermostat and modulating remote control)**

Compact modulating chrono-thermostat	 Dimensions (H x W x D) mm 80 x 80 x 23	3.020167

** The maximum effective distance could be shorter if there are walls, ceilings or obstacles between the two devices.*

*** It can be installed only for single zone systems and without an external probe.*

CRONO 7

Type			Code
Weekly digital chrono-thermostat		Dimensions (H x W x D) mm 103 x 142 x 31	3.021622

CRONO 7 WIRELESS

Wireless weekly digital chrono-thermostat		Dimensions (H x W x D) mm 103 x 142 x 31	3.021624
		Dimensions (H x W x D) mm 82 x 105 x 26	

External probe

It adjusts the heat supplied to the system according to the change in external temperature		Dimensions (H x W x D) mm 85 x 85 x 31	3.014083

Telephonic control

For buildings equipped with telephone network. It can be combined with all Immergas thermoregulation devices except MINI CRD.			3.013305

GSM telephone control

For buildings not equipped with telephone network. It can be combined with all Immergas thermoregulation devices except MINI CRD.			3.017182

Multi-zone electronic board kit

It can manage 4 zones at the same temperature or 1 mixed and 1 direct zone by remote modulating controls (CAR^{V2}). In order to set it, at least 1 CAR^{V2} is needed.		Dimensions (H x W x D) mm 175 x 110 x 50	3.028444

Mixing valve kit

For multi-zone electronic board (code 3.028444).			3.027084

Low temperature safety thermostat kit

For boilers set on direct low temperature (suitable only if using the specific connection kit).			3.019229

OPTIONS

Among the wide range of options it is possible to find out any specific accessories to complete the installation of VICTRIX OMNIA V2. The use of original kits enhances quality and reliability of the products.

Magnetic cyclone filter kit

Type		Code
Important in case of boiler replacement. Easy to inspect and clean, since the system emptying is not needed. Only for indoor installation		3.024176

Compact condensate drain pump kit

To be used in case of opposite slope between siphon and discharge It can only be installed inside the building. Dimensions 230 x 62 x 55 mm		3.026374

Bottom cover kit

Aesthetic frame (250 mm height) that covers connections zone and the main option kits		3.028656

Condensate neutralizer kit

Necessary to neutralize the acidity of the condensation. Inclusive of granulate. Dimensions: lenght 390 mm and Ø 125 mm		3.019857

Anti freeze protection kit -15 °C

Including electrical resistance for frost protection untill - 15 °C.		3.017324

Shut off knobs kit

Shut off knobs ¾"		3.5324

Anti-scale kit

Type		Code
Approved for installation inside the building (for combi version).		3.013860

Clapet valve kit

Non-return fumes valve kit (C_{10}-C_{12})		3.032877

Upper cover kit

Upper cover kit for VICTRIX OMNIA V2		3.028415

Connection kit

Connection kit for new installations		3.015229
Connection kit for replacement		3.011667

VICTRIX OMNIA V2 can be connected to the DIM Range (MultIsystem distribution manifolds). DIM can be connected considering that it's possible to manage zones only with CRONO 7 (no CAR^{V2}) and DIM connection to boiler via zone signal state isn't possible.

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IMMERGAS

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Design, manufacture and post-sale assistance of gas boilers, gas water heaters and related accessories

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