

CONDENSING

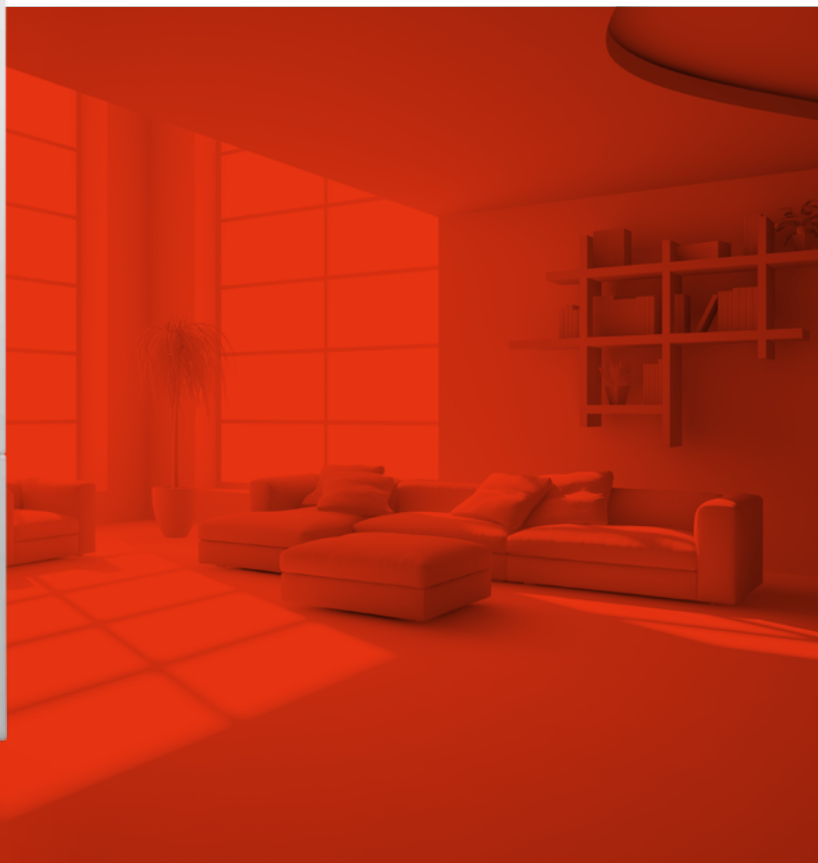
 **IMMERGAS**



VICTRIX TERA/TERA VIP

Wall-hung combi
and heating only condensing boilers

NEW NEW NEW NEW NEW NEW



VICTRIX TERA/TERA VIP

Savings and quality with full efficiency

Simple and efficient, our VICTRIX TERA boiler has achieved great success also for its construction quality. The range has now been expanded with the **TERA VIP model, which features Aqua Celeris, magnetic cyclone filter** and controls cover door.

VICTRIX TERA VIP has many accessories, guarantees maximum comfort and excellent system safety.

All the units in this series are condensing and enable substantial gas savings, mainly from the efficiency of total premixing. The range also includes two combi units (24,1 kW and 28 kW C.H. mode) and one for heating only (24,1 kW C.H. mode) which can be combined with storage tank of various capacities.

All the models are equipped with condensing module featuring a stainless-steel coil and are **designed to meet the new European Directives on the use of energy.**

VICTRIX TERA and TERA VIP boilers are certified **class 6, the highest ecological** classification in Europe, thanks to their low emission of carbon monoxide (CO) and nitrogen oxides (NOx).





DOMINUS.

THE APP FOR ONLINE BOILER CONTROL

VICTRIX TERA/TERA VIP can be remotely controlled by means of the new DOMINUS app.

This simple, intuitive app lets you control your boiler and display operation data on your tablet, smartphone and portable PC.

Using the optional Wi-Fi transmitter kit (code no. 3.026273), installed before your modem/ router wireless (not supplied by Immergas), you can communicate with the boiler's circuit board from any location.

ADVANTAGES OF DOMINUS APP

› Intuitive navigation and simple use on smartphone and tablet touchscreens

Remote control with direct access to main system settings, such as:

- Operation status
- Heating/DHW temperature setting
- Ambient temperature
- Reception of error messages
- Generator resetting

› Accessible for use anywhere at any time

› Easy installation

› Encrypted security access

.01



.02



VICTRIX TERA VIP

Wall-hung condensing combi boiler
with "Aqua Celeris" and magnetic cyclone filter

NEW

.01 FAST DOMESTIC HOT WATER SUPPLY

The immediate availability of D.H.W. and the maximum level of sanitary comfort (***) according to EN 13203-1, are guaranteed thanks to the 3.2 liter micro-storage. VICTRIX TERA VIP is particularly suitable when you want to eliminate the typical waiting times of instantaneous boilers.

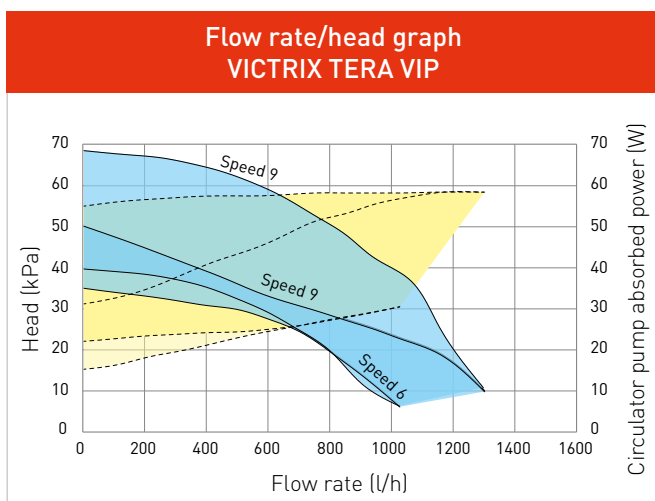
.02 MAGNETIC CYCLONE FILTER AS STANDARD

It combines the so-called "cyclonic" effect (separation of the impurity by circular movement of water) with the magnetic effect obtained by means of a bar, centrally located, containing permanent magnets and holds ferrous particles that are suspended in the water.

VICTRIX TERA VIP is equipped with magnetic cyclone filter as standard (to be installed on site). The filter must be positioned on the system return and is complete with 2 shut-off knobs which allow removing the magnetic bar without emptying the whole plant.



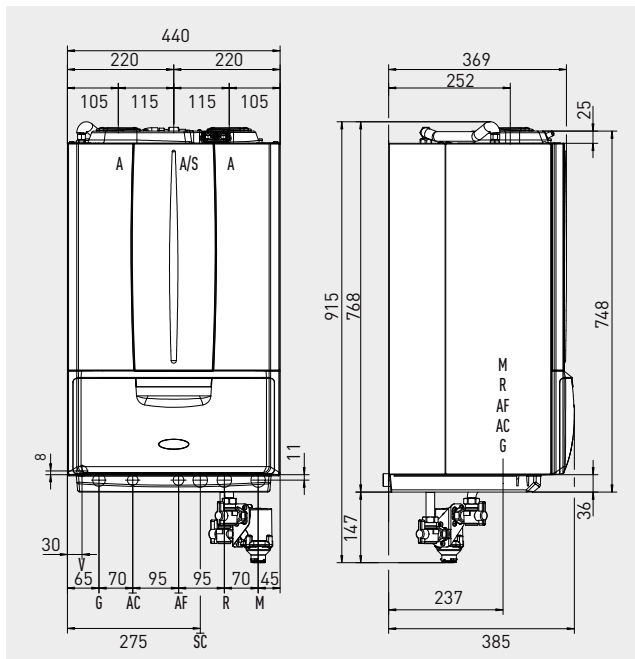
Technical data	Unit of measurement	VICTRIX TERA VIP
Code	N.G. L.P.G.	3.029585 3.029585GPL
Maximum nominal heat input (D.H.W. mode)	kW (kcal/h)	28,8 (24.773)
Maximum nominal heat input (C.H. mode)	kW (kcal/h)	24,6 (21.194)
Minimum nominal heat input	kW (kcal/h)	4,5 (3.862)
Maximum nominal heat output (D.H.W. mode)	kW (kcal/h)	28,3 (24.295)
Maximum nominal heat output (C.H. mode)	kW (kcal/h)	24,1 (20.717)
Minimum nominal heat output	kW (kcal/h)	4,3 (3.689)
Efficiency at nominal heat output (80/60 °C)	%	97,8
Efficiency at 30% of load (80/60 °C)	%	102,3
Efficiency at nominal heat output (40/30 °C)	%	108,2
Efficiency at 30% of load (40/30 °C)	%	108,3
Fan available head	Pa	2
Weighted CO with natural gas	mg/kWh	20
Weighted NO _x with natural gas	mg/kWh	35
D.H.W. flow rate for continuous service (Δt 30 °C)	l/min	14,1
D.H.W. circuit min pressure	bar	0,3
Central heating expansion vessel nominal capacity (total)	litres	10 (8)
Electric protection index	IP	X5D
Full appliance weight (empty)	kg	49 (43,6)


Key

- Available head with by-pass closed;
- Available head with by-pass open;
- Power absorbed by the pump with by-pass open (dotted area);
- Power absorbed by the pump with by-pass closed (dotted area);

VICTRIX TERA VIP is equipped with adjustable system by-pass.





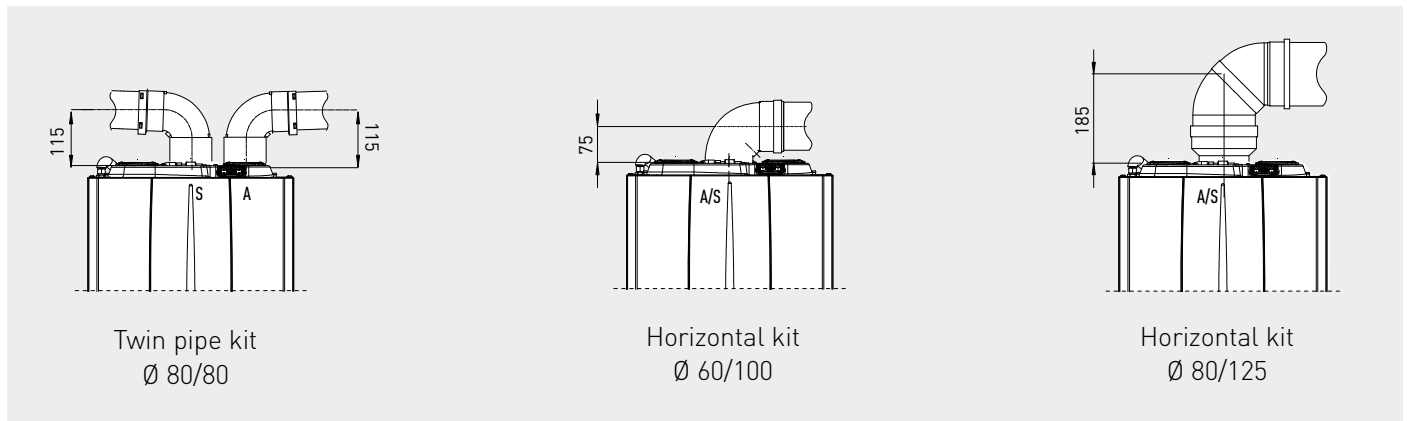
Legenda

- 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)
- M System flow (optional)
- R System return (optional)
- A/S Outlet/Inlet
- A Inlet
- S Outlet

VICTRIX TERA VIP hydraulic connections

Gas	D.H.W.		System	
G	AC	AF	R	M
3/4"	1/2"	1/2"	3/4"	3/4"

Hydraulic connection kit as option



To ensure correct installation of the appliance, the air inlet/flue outlet pipes kit must be selected from the Immergas "Green Series flue systems". It's available a new option kit: **COVER KIT FOR DIRECT AIR SUCTION** (code 3.029914 - **NEW**)

.03



VICTRIX TERA 28/32

Wall-hung compact condensing combi boiler

.03 DOMESTIC HOT WATER PRODUCTION

Instantaneous with excellent D.H.W production. VICTRIX TERA 32 version, thanks to its 28,3 kW of heat output in D.H.W. mode, provides 16,5 l/min with Δt 30 °C.

COMBINATION WITH SOLAR SYSTEMS

In case of integration with solar thermal systems, the wide modulation range (from 18 to 100%) ensures maximum sanitary comfort even with pre-heated inlet water. The solar function, moreover, inhibits the ignition of the burner and the pump when the inlet water temperature is close to the sanitary temperature settled. It is therefore possible to connect the water heater downstream to a solar storage tank, simply adding a thermostatic mixing valve. This function results even more performing with the aid of the solar input probe kit (code 3.021452) that allows the detection of the boiler water inlet temperature, coming from the solar storage tank.



VICTRIX TERA 24 PLUS

Wall-hung compact only heating condensing,
for combination with storage tank

.04 VICTRIX TERA 24 PLUS can work for heating only or can be connected to a storage tank, for domestic hot water production, by means specific connection kits (see page 14).

IDEAL FOR MULTIPLE WITHDRAWALS OF DOMESTIC HOT WATER

For large domestic hot water needs or for simultaneous withdrawals, the combination with the separate storage tank is possible with models from 80 up to 2000 liters.

COMBINATION WITH SOLAR SYSTEMS

Storage tanks with a capacity of 120 liters or more are designed for the combination of systems solar thermal with forced circulation, including the UB INOX SOLAR 200 V2 version with circuit integrated solar. VICTRIX TERA 24 PLUS can be connected to the whole range of Immergas Solar Solutions.

.04





INDOOR AND OUTDOOR INSTALLATION

VICTRIX TERA is approved for outdoor installation in partially protected places (protected from rain and snow), for example by installing it under a balcony. An electrical resistance kit is available to expand antifreeze protection from -5 °C to -15 °C (code 3.017324). The cover kit for direct air suction is available as option (code 3.027263).

HYBRID SYSTEMS SOLUTIONS

VICTRIX TERA can be installed in TRIO V2/TRIO MONO V2* solutions. TRIO solutions are prearranged to combine different energy sources: condensing boilers, air-water heat pumps AUDAX and solar thermal allowing to increase energetic performances of buildings and disfrut renewable sources reducing harmful emissions.

They can be installed in the recessed frame SOLAR CONTAINER or directly inside the home in the special technical box DOMUS CONTAINER, both saving space.

The bracket to support the gas boiler comes inserted as standard inside the specific matching kit:

Boiler COMBI connection kit (code 3.024712) or Boiler PLUS connection kit (code 3.024711).

** For TRIO V2 range refer to the specific documentation.*



Technical data	Unit of measurement	VICTRIX TERA 28 1	VICTRIX TERA 32 1	VICTRIX TERA 24 PLUS
Code	N.G. L.P.G.	3.027370 3.027370GPL	3.027371 3.027371GPL	3.027373 3.027373GPL
Maximum nominal heat input (D.H.W. mode)	kW (kcal/h)	28,8 (24.773)	32,6 (28.047)	28,8 (24.773)
Maximum nominal heat input (C.H. mode)	kW (kcal/h)	24,6 (21.194)	28,6 (24.588)	24,6 (21.194)
Minimum nominal heat input	kW (kcal/h)	4,5 (3.862)	5,1 (4.413)	4,5 (3.862)
Maximum nominal heat output (D.H.W. mode)	kW (kcal/h)	28,3 (24.295)	32,0 (27.520)	28,3 (24.295)
Maximum nominal heat output (C.H. mode)	kW (kcal/h)	24,1 (20.717)	28,0 (24.080)	24,1 (20.717)
Minimum nominal heat output	kW (kcal/h)	4,3 (3.689)	4,9 (4.214)	4,3 (3.689)
Efficiency at nominal heat output (80/60 °C)	%	97,8	97,9	97,8
Efficiency at 30% of load (80/60 °C)	%	102,3	102,1	102,3
Efficiency at nominal heat output (40/30 °C)	%	108,2	107,9	108,2
Efficiency at 30% of load (40/30 °C)	%	108,3	108,4	108,3
Fan available head	Pa	2	2	2
Weighted CO with natural gas	mg/kWh	20	15	20
Weighted NO _x with natural gas	mg/kWh	35	30	35
D.H.W. flow rate for continuous service (Δt 30 °C)	l/min	14,1	16,5	-
D.H.W. circuit min pressure	bar	0,3	0,3	-
Central heating expansion vessel nominal capacity (total)	litres	8 (5,8)	10 (6,4)	8 (5,8)
Electric protection index	IP	X5D	X5D	X5D
Full appliance weight (empty)	kg	35,8 (33,6)	37,9 (35,5)	33,8 (32,0)

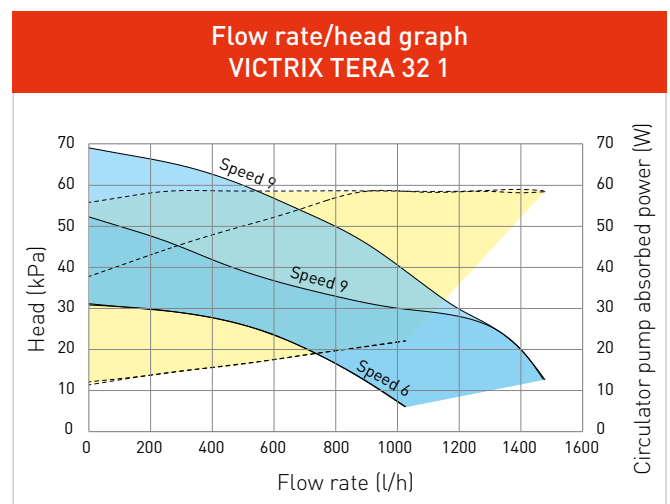
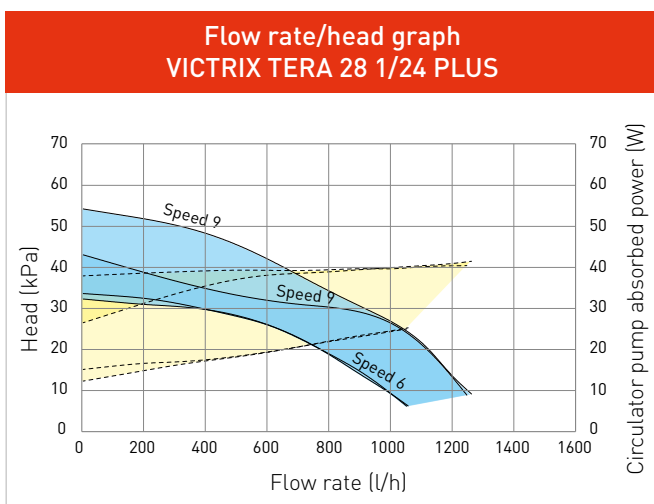
VICTRIX TERA 28



VICTRIX TERA 32



VICTRIX TERA 24 PLUS



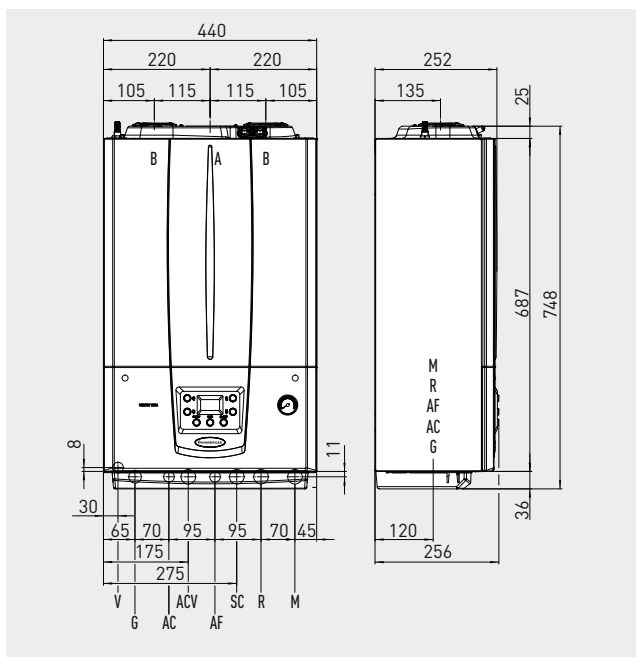
VICTRIX TERA is equipped with adjustable system by-pass.

Key

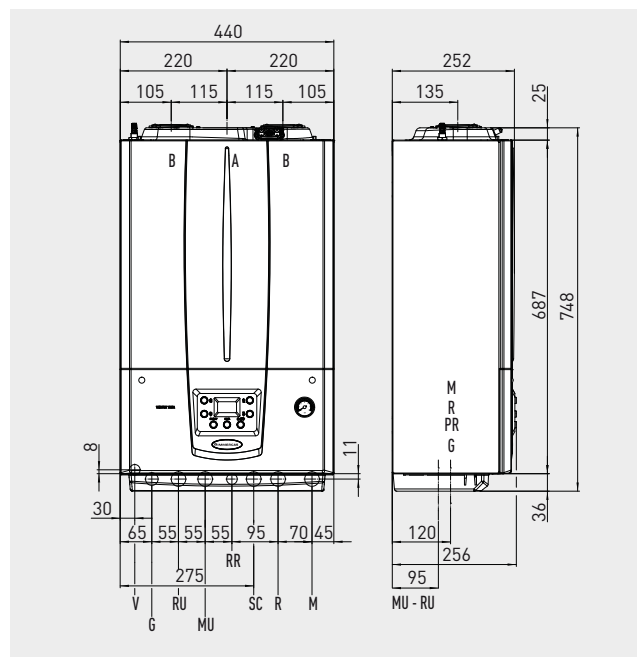
- Available head with by-pass closed;
- Available head with by-pass open;
- Power absorbed by the pump with by-pass open (dotted area);
- Power absorbed by the pump with by-pass closed (dotted area);



VICTRIX TERA 28/32 1



VICTRIX TERA 24 PLUS



VICTRIX TERA 28/32 hydraulic connections

Gas	D.H.W.		System	
G	AC	AF	R	M
3/4"	1/2"	1/2"	3/4"	3/4"

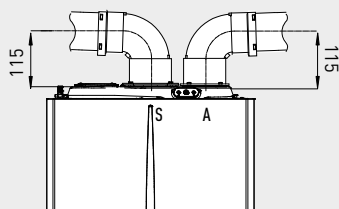
VICTRIX TERA 24 PLUS hydraulic connections

Gas	D.H.W.		System
G	MU-RU*	RR	M-R
3/4"	3/4"	1/2"	3/4"

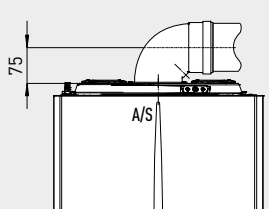
* Only in case of storage tank connection kit

Key

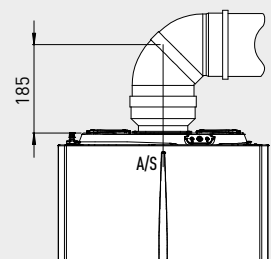
V Electrical connection	R System return (optional)
G Gas supply (optional)	RR System filling (optional)
AC Domestic hot water outlet (optional)	RU Storage tank return (optional)
ACV Solar valve domestic hot water inlet (optional)	MU Storage tank flow (optional)
AF Domestic cold water inlet (optional)	A/S Outlet/Inlet
SC Condensate drain (minimum internal diameter Ø 13 mm)	A Inlet
M System flow (optional)	S Outlet



Twin pipe kit
Ø 80/80



Horizontal kit
Ø 60/100



Horizontal kit
Ø 80/125



To ensure correct installation of the appliance, the air inlet/flue outlet pipes kit must be selected from the Immergas "Green Series flue systems". **It's available a new option kit: COVER KIT FOR DIRECT AIR SUCTION (code 3.027263)**




Combining VICTRIX TERA/TERA VIP with a climatic regulation device is an excellent investment because it improves the seasonal energy efficiency of the heating system. For each of the following thermoregulation devices we therefore indicate a class, which gives you the percentage value of increased efficiency.

CAR^{V2} (Weekly chronothermostat and modulating remote control)


Type		Code
<p>Modulating back-lighted chronothermostat and remote control. Special features including antifreeze temperature setting and antilegionella function (only for gas boilers with storage tank). IDEAL FOR REPLACEMENT</p> <p>Product class V* or VI Seasonal energy efficiency value 3%* or 4%</p>	 <p>Dimensions (H x W x D) mm 103 x 142 x 31</p>	3.021395

Available also in wireless version – code 3.021623.

MINI CRD (MINI weekly chronothermostat and modulating remote control)


<p>Modulating chronothermostat and compact remote control.</p> <p>Note: it can be installed only for single zone systems and without an external probe or DOMINUS interface board kit</p> <p>Product class V* or VI Seasonal energy efficiency value 3% or 4%</p>	 <p>Dimensions (H x W x D) mm 80 x 80 x 23</p>	3.020167
---	--	----------

CRONO 7 (weekly digital chronothermostat)


<p>Weekly digital chronothermostat</p> <p>Product class IV* or VII Seasonal energy efficiency value 2% or 3,5%</p>	 <p>Dimensions (H x W x D) mm 103 x 142 x 31</p>	3.021622
--	---	----------

Available also in wireless version – code 3.021624.

External probe

<p>Allows at the boiler to functioning at a variable temperature according to the climatic conditions IDEAL FOR REPLACEMENT</p> <p>Product class II*, VI or VII Seasonal energy efficiency value 2%*, 4% or 3,5%</p>		3.014083
---	--	----------

Telephonic remote control

<p>For buildings equipped with telephone network. Available for all models except Mini CRD</p>	 <p>Dimensions (H x W x D) mm 85 x 85 x 31</p>	3.013305
--	--	----------

GSM Telephonic control

<p>For buildings not equipped with telephone network. Available for all models except Mini CRD</p>	 <p>Dimensions (H x W x D) mm 198 x 78 x 30,5</p>	3.017182
--	--	----------

DOMINUS interface board kit

<p>To remote control boiler with DOMINUS APP</p>		3.026273
--	---	----------

* Product class with default settings. Some heat regulation device can change class depending on the settings and operation modes that can be changed, for example Modulating or ON/OFF. The use of these devices contributes, in percentage, to the seasonal energy efficiency of the heating system.

Multi-zone electronic board

Type		Code
It can manage 4 zones at the same temperature or 1 mixed and 1 direct zone by remote modulating controls (ie. CAR v2).	 <p>Dimensions (H x W x D) mm 175 x 110 x 50</p>	3.028444


Mixing valve kit

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

Solar probe kit

It allows the detection of the water temperature coming from a solar storage tank. (suitable only if using the specific connection kit). For combi boiler only.		3.021452
--	--	----------


Low temperature safety thermostat kit

For gas boilers set up with low temperature. (suitable only if using the specific connection kit)		3.019229
---	--	----------




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

Magnetic cyclone filter kit

Type		Code
To prevent system ferrous residual (only for internal installation). As standard on VICTRIX TERA VIP. <i>IDEAL FOR REPLACEMENT</i>		3.024176

Condensate discharge pump kit

Usefull in case of counterslope between siphone and discharge; installation externally to the boiler <i>IDEAL FOR REPLACEMENT</i>		3.026374
---	--	----------





Bottom cover kit for condensing boilers **NEW**

For VICTRIX TERA VIP NEW Aesthetic frame (250 mm height) that covers connections zone and the main option kits <i>IDEAL FOR REPLACEMENT</i>		3.029915
For VICTRIX TERA Aesthetic frame (250 mm height) that covers connections zone and the main option kits <i>IDEAL FOR REPLACEMENT</i>		3.027341


Condensate neutralizer kit

Necessary to neutralize the acidity of the condensation. Inclusive of granulate. <i>IDEAL FOR REPLACEMENT</i>		3.019857
--	--	----------

Connection kit

Connection kit for VICTRIX TERA VIP NEW		3.029913
Connection kit for VICTRIX TERA 28/32		3.019264
Connection kit for VICTRIX TERA 24 PLUS (in only heating installation)		3.024907
Storage tank connection kit for VICTRIX TERA 24 PLUS (in combination with connection kit code 3.024907)		3.024609


Antiscale kit

Type		Code
For combi boiler only. Approved for installation inside the building		3.017323


Non return valve kit

For combi boiler only		3.016301
-----------------------	--	----------


Additional expansion vessel


2 litre expansion vessel		3.017514
--------------------------	--	----------

Anti-freeze protection kit

Until -15 °C		3.017324
--------------	---	----------

Shut off knobs

Shut off knobs		3.5324
----------------	--	--------

Shut off knobs with filters		3.015854
-----------------------------	--	----------

All purpose connection kit

For combi boiler only		3.011667
-----------------------	--	----------

VICTRIX TERA/ TERA VIP are designed to be combined to the DIM Range (except DIM BASE).
N.B.: It's possible to manage zones only by CRONO 7 (no CAR[®]) and signal state cannot be connected.





App Immergas TOOLBOX



immergas.com

Immergas S.p.A.
42041 Brescello (RE) - Italy
T. 0522.689011
F. 0522.689178



IMMERGAS
IMMERGAS SPA - ITALY
CERTIFIED COMPANY
UNI EN ISO 9001:2015

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