USER'S MANUAL

IMMERGAS

COD. 3.020166

KIT SOLAR CONTAINER

Instruction and warning book **IE**



STD.004778/007

THIS SHEET MUST BE LEFT WITH THE USER ALONG WITH THE INSTRUCTIONS MANUAL FOR THE FINISHED PRODUCT

GENERAL WARNINGS.

All Immergas products are protected with suitable transport packaging.

The material must be stored in a dry place protected from the weather.

This instruction manual provides technical information for installing the Immergas kit. As for the other issues related to kit installation (e.g. safety at the workplace, environmental protection, accident prevention), it is necessary to comply with the provisions specified in the regulations in force and with the principles of good practice.

Improper installation or assembly of the Immergas appliance and/or components, accessories, kits and devices can cause unexpected problems for people, animals and objects. Read the instructions provided with the product carefully to ensure proper installation. Installation and maintenance must be performed in compliance with the regulations in force, according to the manufacturer's instructions and by professionally qualified staff, meaning staff with specific technical skills in the plant sector, as envisioned by the law.

MAIN DIMENSIONS.

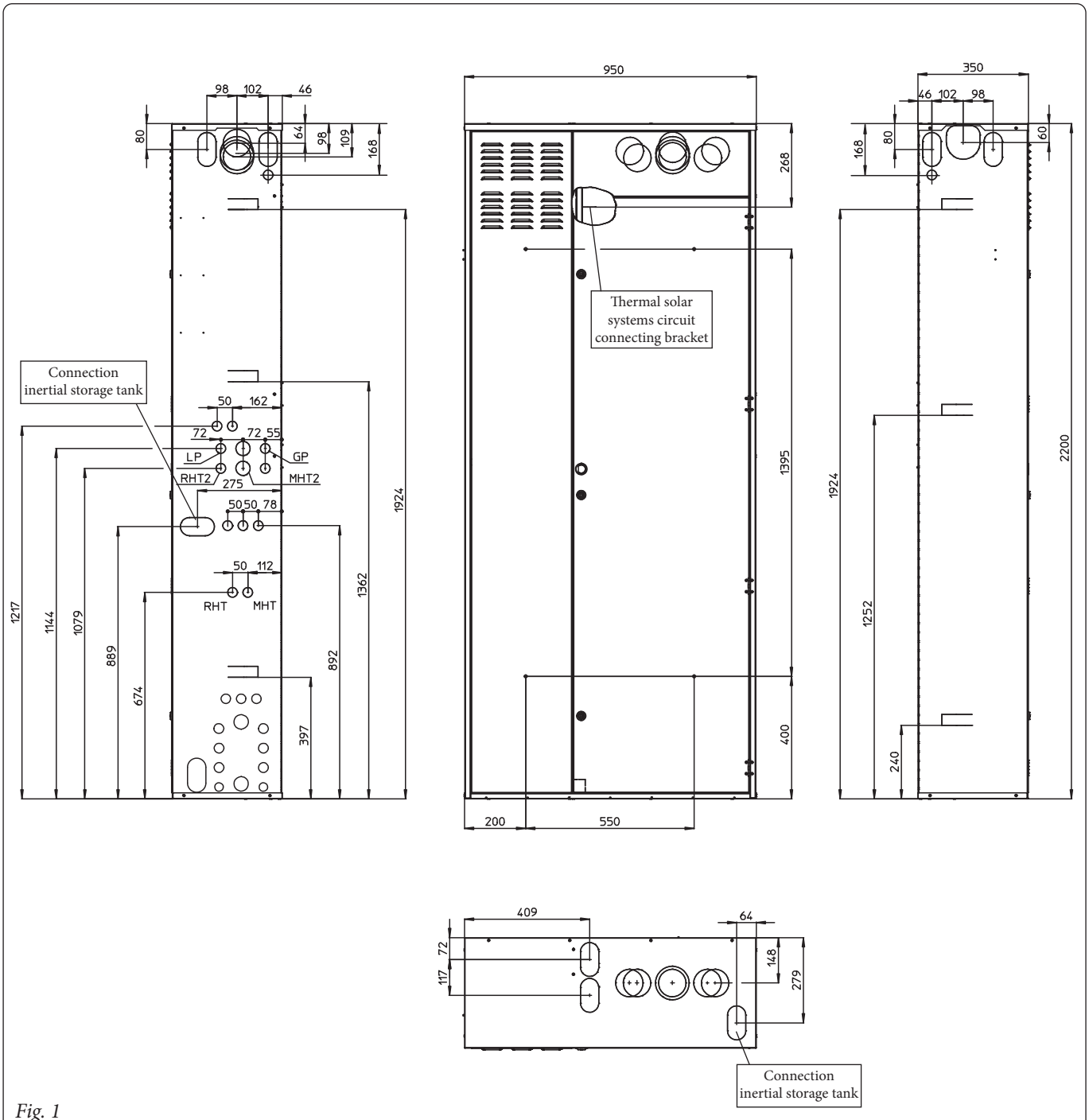


Fig. 1

KIT DESCRIPTION.

The Solar Container kit was designed to fit at least the installation space for the Gaudium Solar V2, Trio V2, Basic Magis Pro, Trio Pack and Trio Hydro in external and internal walls.

The lower part of the frame has the holes necessary for the hydraulic, gas, electrical, condensate drain and temperature control connections.

It has holes on its rear and right sides for connections to the heat pumps.

The upper part has the holes for the outlet to the flue ("B type" and "C type" installations) and to the intake duct (only for "C type" installation) using the Immergas flue (to be used only in the presence of boilers).

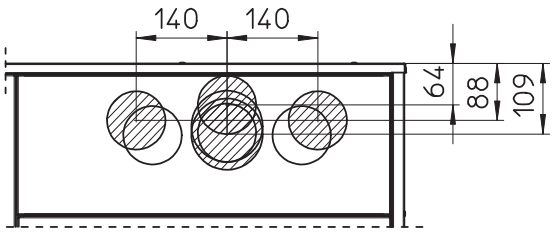
ATTENTION:

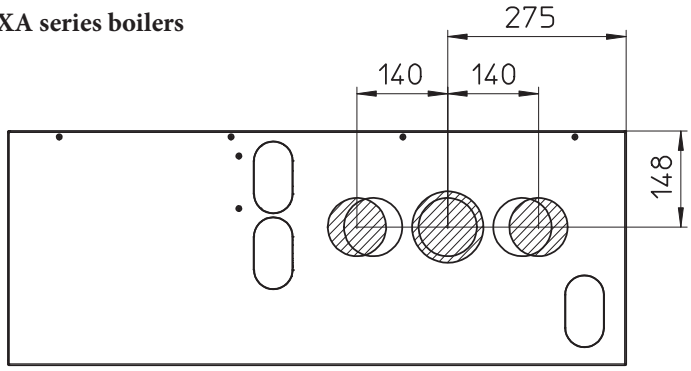
Connection from the left side of the Solar Container is <u>only</u> possible with the intake or exhaust of the separator Ø 80/80.

PRE-SECTION DETAIL FOR FLUE CONNECTION.

Front and rear flue gas connection **Upper flue gas connection**

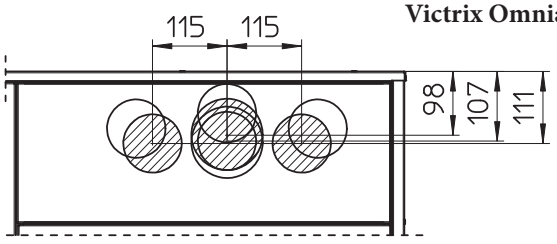
Victrix EXA series boilers

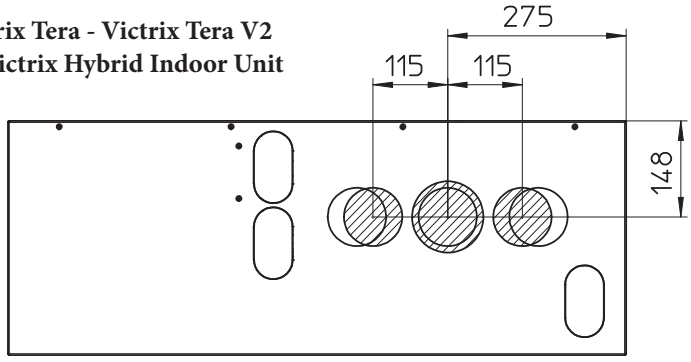




Height	Exa Connection
64	Discharge 80
88	Intake 80
109	Concentric

Victrix TT - Victrix Tera - Victrix Tera V2
Victrix Omnia - Victrix Hybrid Indoor Unit





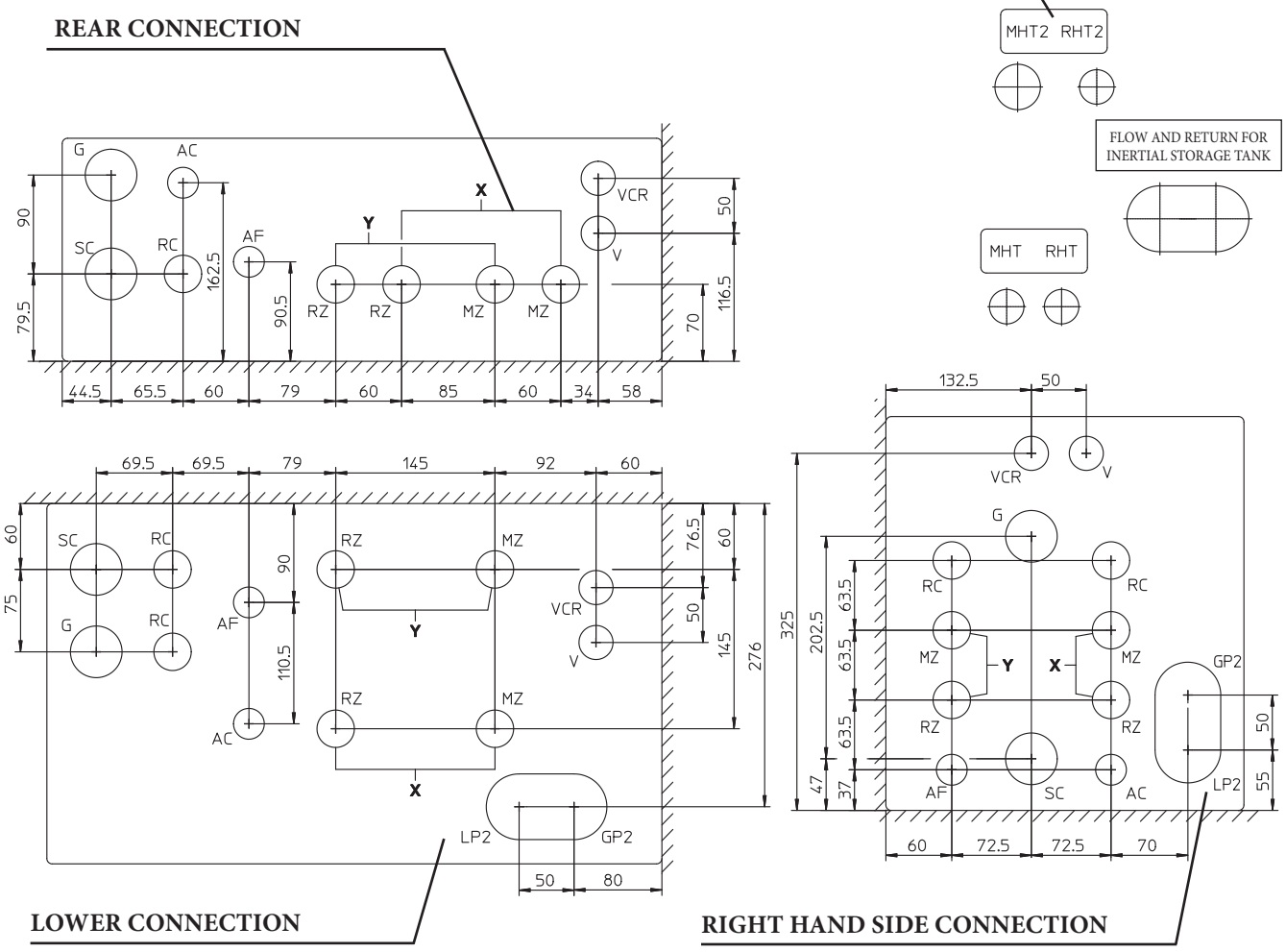
Height	Connection TT - Tera - Omnia - Victrix Hybrid Indoor Unit
98	Discharge 80
107	Concentric
111	Intake 80

Attention: *For Victrix TT, Victrix Tera, Victrix Tera V2 and UI Victrix Hybrid with 60/100 concentric kit, it is always necessary to also use the 60/100 flanged kit.*

Fig. 2

CONNECTION TEMPLATE.

HEAT PUMP CONNECTION - INERTIAL STORAGE TANK - VICTRIX HYBRID OUTDOOR UNIT
(For details of values see fig.1)



Key:

G	-	*Gas supply*
AC	-	*Domestic hot water outlet*
AF	-	*DHW (Domestic hot water) water inlet*
MHT	-	*Flow from heat pump*
RHT	-	*Return to heat pump*
MHT2	-	*Flow from heat pump (Victrix Hybrid Plus)*
RHT2	-	*Return to heat pump (Victrix Hybrid Plus)*
LP	-	*Chiller line - liquid phase*
GP	-	*Chiller line - gaseous phase*
LP2	-	*Chiller line - liquid phase (Trio Pack)*
GP2	-	*Chiller line - gaseous phase (Trio Pack)*
MZ	-	*System flow*
RZ	-	*System return*
RC	-	*DHW (Domestic hot water) recirculation*
SC	-	*Condensate drain*
V	-	*Electrical connection*
VCR	-	*Remote control electrical connection*
VS	-	*3 bar discharge valve*

Fig. 3

ZONE CONNECTION TABLE.

	Zone Y	**Zone X**
Gaudium Solar Base V2 **Gaudium Solar Plus Base V2**	Zone 1 direct	Not used
Trio V2	Zone 1, mixed	Zone 2, direct
Gaudium solar 2 zone V2 **Gaudium solar Plus 2 zone V2**	Zone 2, direct	Zone 1 direct
Trio Mono V2	Not used	Zone 1 direct
Gaudium Solar ABT V2 **Gaudium Solar Plus ABT V2**	Zone 2 mixed	Zone 1 direct
Basic Magis Pro	Not used	Zone 1 direct
Trio Pack Electric **Trio Pack Hybrid**	Zone 2 mixed (Optional)	Zone 1 direct
Trio Hydro	Zone 2 mixed (Optional)	Zone 1 direct

CONNECTIONS FOR ALL VERSIONS												
GAS	DOMESTIC HOT WATER		SYSTEM				HEAT PUMP		CHILLER LINE			
G	AC	AF	RZ (Y)	MZ (Y)	RZ (X)	MZ (X)	MHT-RHT	MHT2-RHT2	LP	LP2	GP	GP2
G 1/2"	G 1/2"	G 1/2"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	3/8" SAE - 1/4" SAE (V2)	1/4" SAE	5/8" SAE	5/8" SAE

TRIO HYDRO CONNECTIONS												
GAS	DOMESTIC HOT WATER		SYSTEM				HEAT PUMP		CHILLER LINE			
G	AC	AF	RZ (Y)	MZ (Y)	RZ (X)	MZ (X)	MHT-RHT	MHT2-RHT2	LP	LP2	GP	GP2
G 1/2"	G 1/2"	G 1/2"	G 3/4"	G 3/4"	G 3/4"	G 3/4"	G 1"	-	-	-	-	-

INSTALLATION:
Set-up the masonry jobs creating an opening in the wall where the frame will be installed (1), paying attention to envision the space for the six slots for inserting the respective support fins (2) and a space under the frame sufficient to carry out the kit connections (Fig. 4).

N.B.: it is very important to provide a support screed (A) in the area under the Solar Container kit at the support point of the storage tank unit.

It is also possible to fix the frame to the wall with plugs (not supplied) using the specific four holes (6).
The Solar Container kit is closed by the side cover (5), where the air intake grid is present, by the upper cover (3) where it is possible to let the flue out and by the door (4) which can be opened by the handle and only after having unlocked the locks placed vertically to access the internal components.
There are appendices inside (7) that are set up for the various components to be coupled.

Attention: The installation of the Solar Container kit inside the wall, must guarantee a stable and effective support to the appliance it contains. This kit ensures a suitable support only if inserted correctly (according to the rules of good practice) and positioned in square with respect to the wall following the instructions given below, thus guaranteeing the correct functionality of the front doors. The Solar Container kit is not a supporting structure and cannot replace the piece of wall removed. It is therefore necessary to check its correct positioning inside the wall.

For safety reasons, it is necessary to carefully seal the housing compartment of the Solar Container kit in the wall, in compliance with Standards in force.
Make sure that the pre-cuts for the hydraulic connections have been removed from the intended pipe route. If installing a boiler inside the Solar Container kit, be sure to remove the relevant sections based on the flue ("B type" and "C type" installations) and the intake ducts (only for "C type" installation).
Insert the frame inside its own seat, remembering to open the six support fins (2) before inserting it.
Some holes are pre-cut smaller with respect to the useful size in order to allow them to be enlarged according to your needs.
Once the frame has been installed, set up all the connections for the hydraulic connection to the specific product preset in the lower and lateral part.

N.B.: The connection unit is not supplied, but is sold separately (optional). To ease installation, choose whether to make the connection at the rear, bottom or side (bottom right) of the Solar Container kit (see Fig. 3).

The electrical connections require the connection to the electric mains to be separated from the connection to the temperature control by passing the relative cables through the openings provided.
Make the gas connection (where required). The gas pipe can exit downwards, through the rear outlet, lower outlet, right side outlet or from the front using the appropriate pre-cut already provided on the door (see Fig. 5-6-7-8).

Once out from the front, it is possible to turn the gas pipe in the preferred direction.

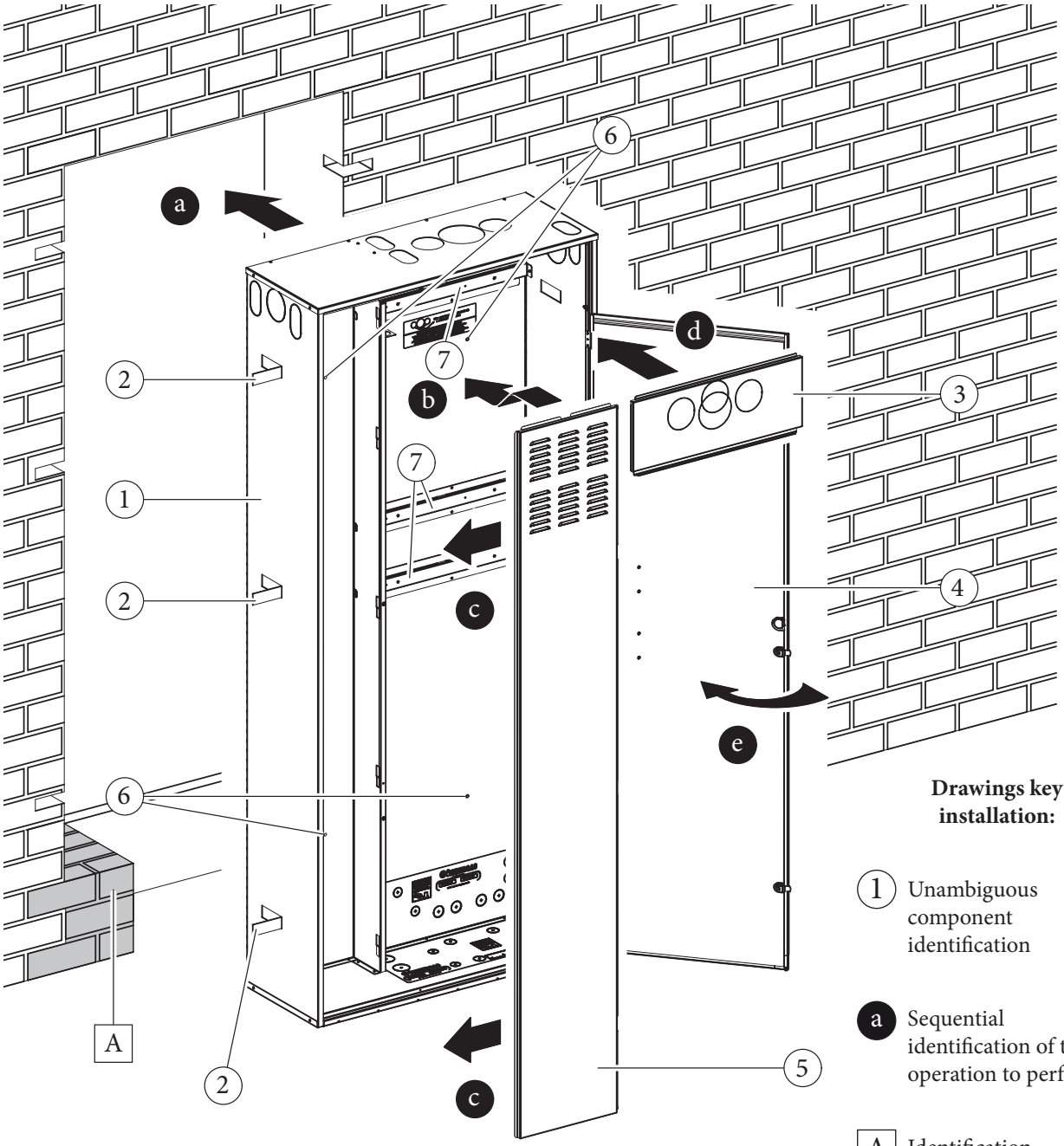
N.B.: to install the gas supply pipe, under or out of route, comply with the installation standards UNI 7129 / 7131-99.

Install the connecting pipes of the coolant gas circuit (where required) using the pre-drilled holes. The pipes inside the Solar Container kit must protrude the necessary space to allow the chosen product to be connected.

N.B.: comply with the UNI EN 378 Standards for the installation of the coolant gas circuit and connection to the heat pump.

Attention: Refer to the specific instruction booklet of each individual product for assembly/installation and commissioning of the various components inside the Solar Container kit.

At this point, the installation is complete and the frame cover can be painted according to requirements.



Drawings key installation:

1 Unambiguous component identification

a Sequential identification of the operation to perform

A Identification of generic or not supplied component

Fig. 4

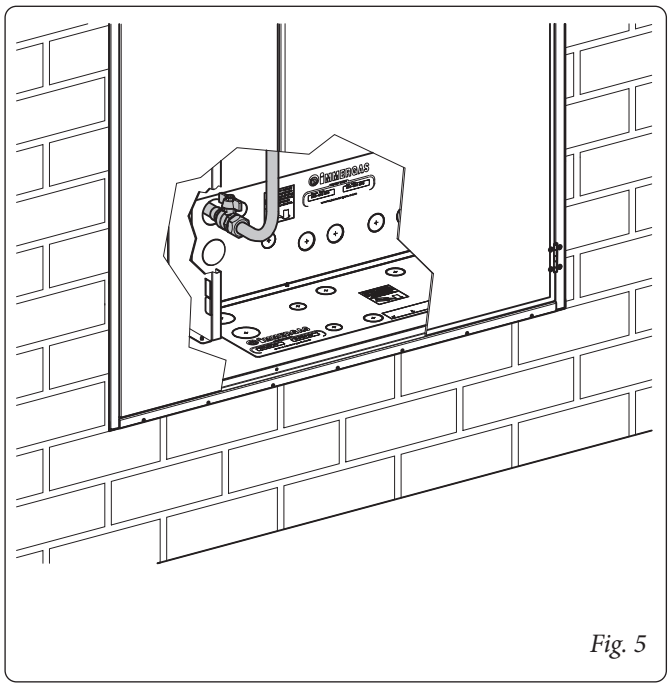


Fig. 5

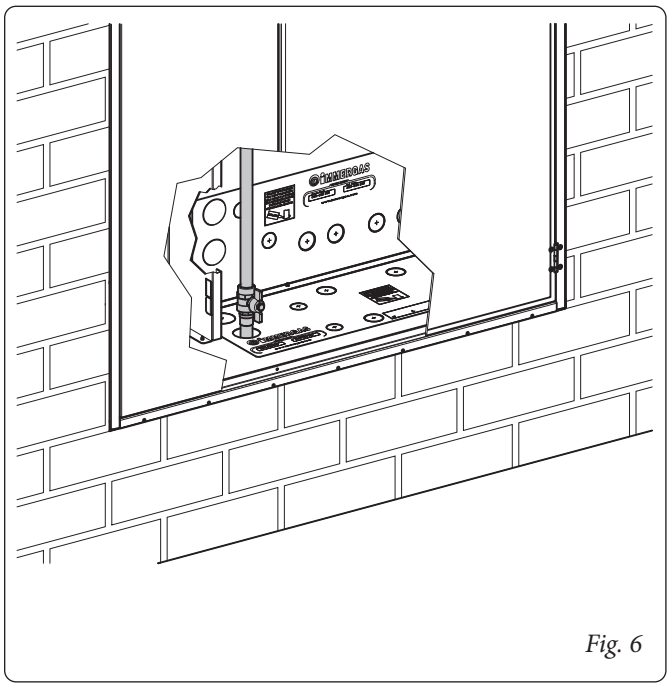


Fig. 6

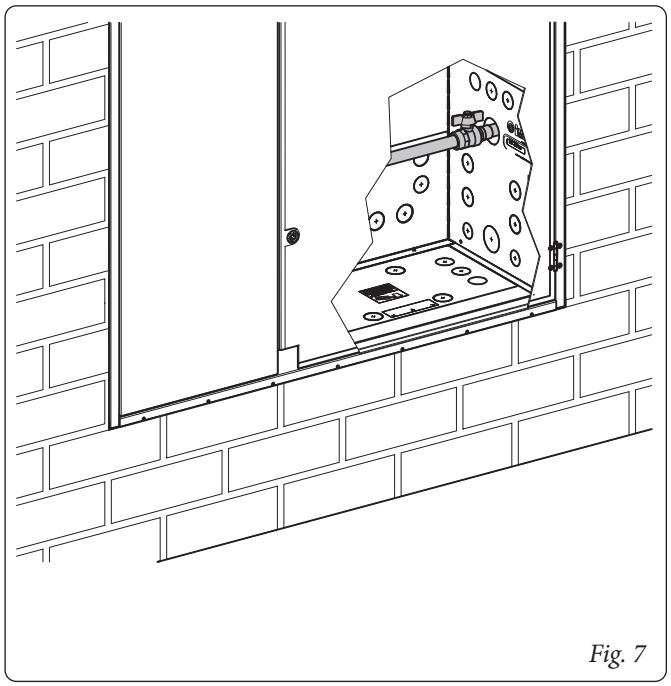


Fig. 7

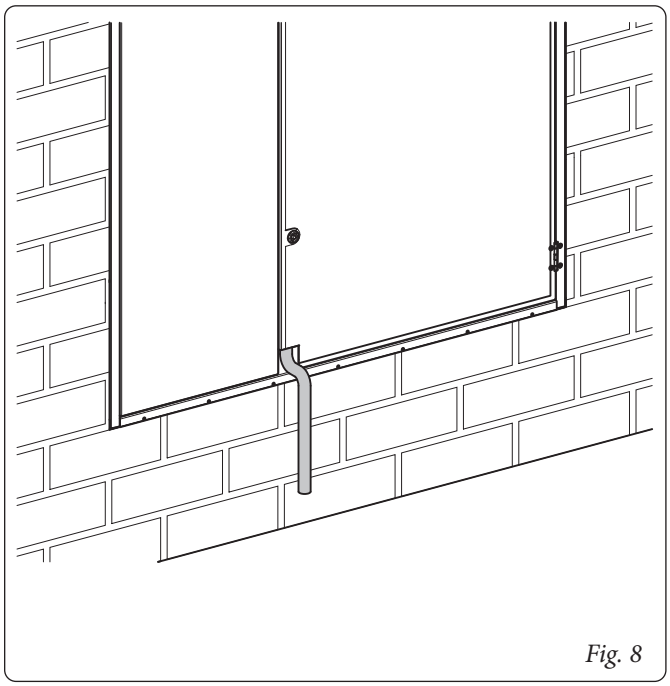


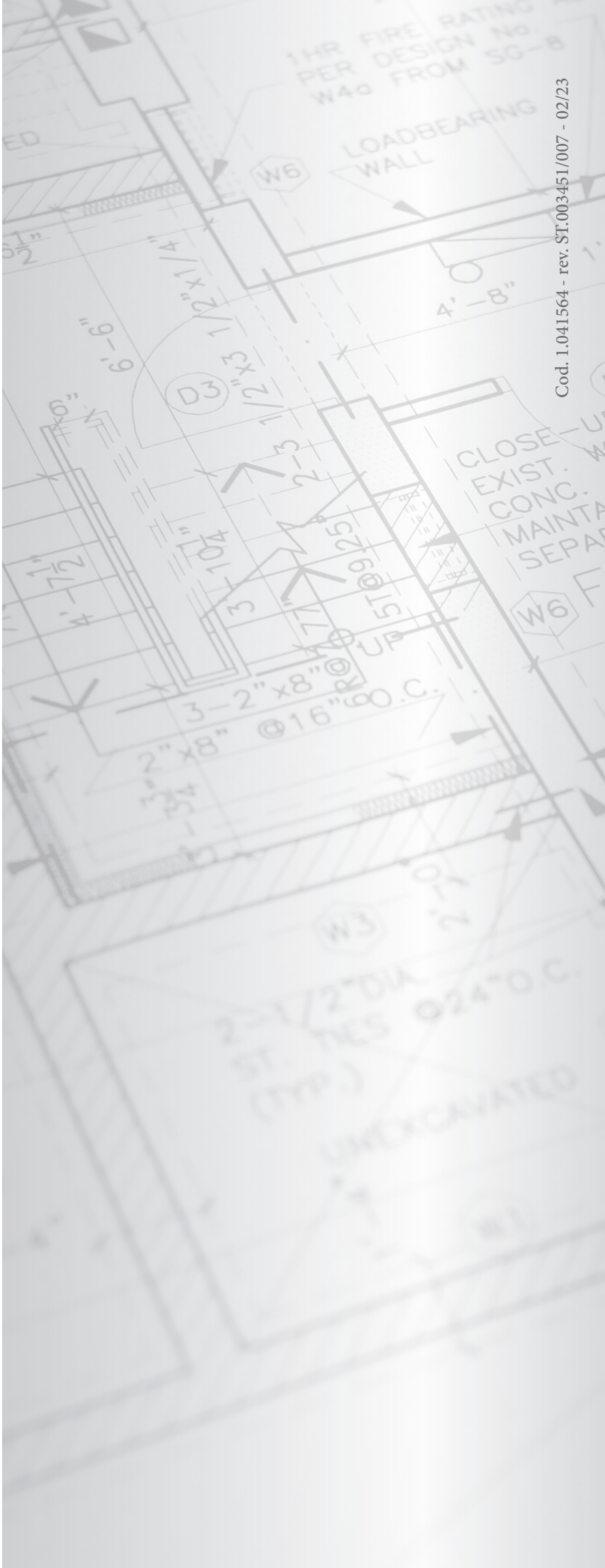
Fig. 8

Nel corso della vita utile dei prodotti, le prestazioni sono influenzate da fattori esterni, come ad es. la durezza dell'acqua sanitaria, gli agenti atmosferici, le incrostazioni nell'impianto e così via. I dati dichiarati si riferiscono ai prodotti nuovi e correttamente installati ed utilizzati, nel rispetto delle norme vigenti.
N.B.: si raccomanda di fare eseguire una corretta manutenzione periodica.

During the useful life of the products, performance is affected by external factors, e.g. the hardness of the DHW, atmospheric agents, deposits in the system and so on. The data declared refer to new products that are correctly installed and used with respect to the Standards in force.
N.B.: correct periodic maintenance is highly recommended.

Il libretto istruzioni è realizzato in carta ecologica.

The instruction manual is printed on environmentally-friendly paper.



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Per richiedere ulteriori approfondimenti specifici, i Professionisti del settore possono anche avvalersi dell'indirizzo e-mail: **consulenza@immergas.com**
To request further specific details, sector Professionals can also use the following e-mail address: **consulenza@immergas.com**

Immergas S.p.A.
42041 Brescello (RE) - Italy
Tel. 0522.689011
Fax 0522.680617

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