USER'S MANUAL

IMMERGAS

COD. 3.030483

Instruction and warning book **IE**

Super Trio Recirculation Kit

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.

Kit composition:

Ref	Qty	Description
1	1	Insulated recirculation return upper pipe Ø 14
2	9	Flat seal 18.5 x 11.5 x 2
3	1	Insulated recirculation return lower pipe Ø 14
4	1	Side connection recirculation return pipe Ø 14
5	1	Nipples
6	1	Insulated flexible recirculation pipe
7	1	Flat seal24 x 16 x 2
8	2	One-way non return valve
9	2	Nipples
10	1	Insulated recirculation T-shaped pipe Ø 14
11	1	Flexible stainless steel pipe

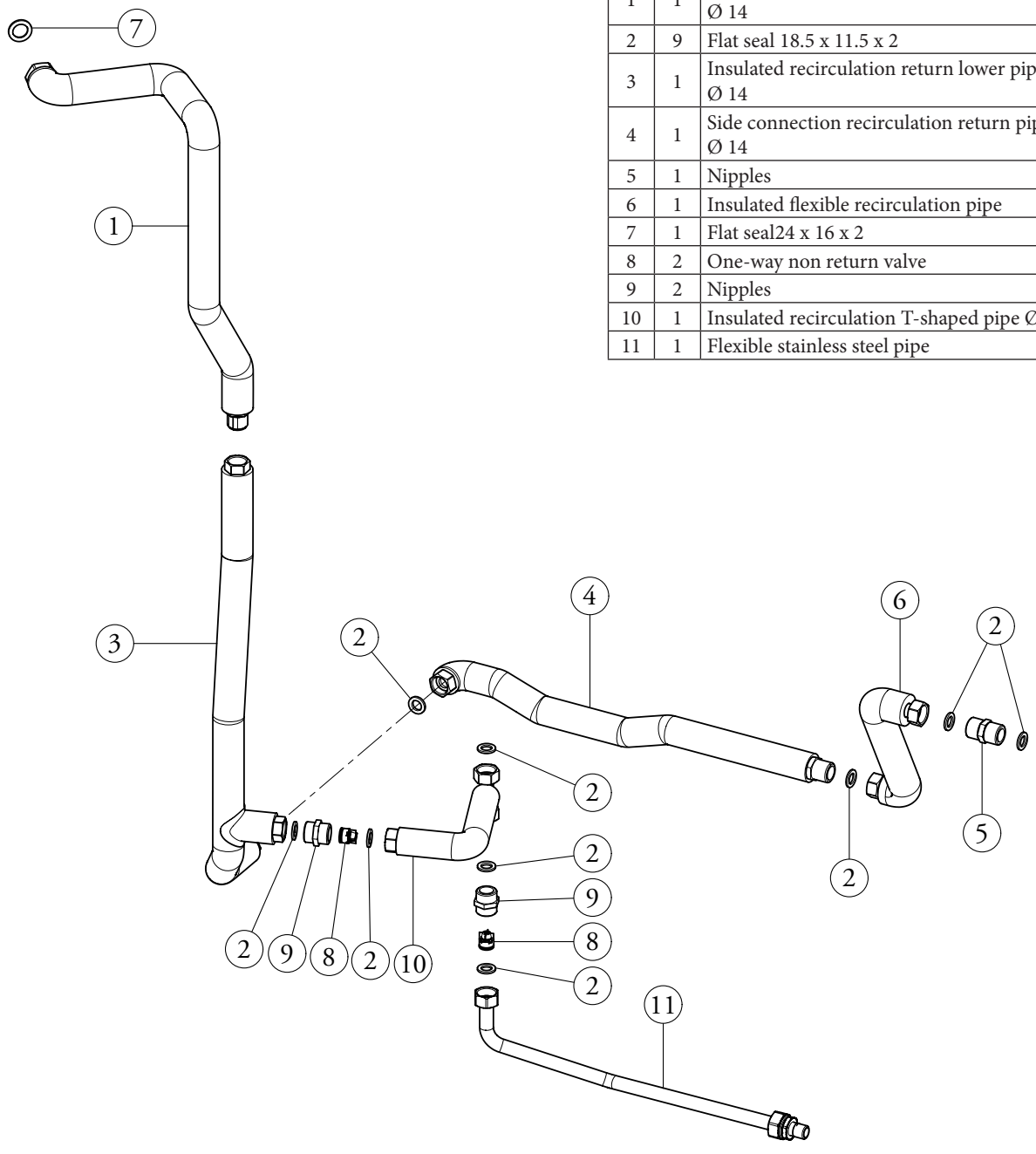


Fig. 1

INSTALLATION.

To connect and install the recirculation kit (fig. 1), proceed as follows:

- Open the front door and lock it open to prevent it from getting in the way during the subsequent installation stages.
- Cut power to the appliance by disconnecting the switch upstream of the Super Trio.
- Drain the water contained in the storage tank by operating on the drain valve.

  Before performing this operation, close the device cold water inlet cock and open any domestic hot water valve of the system in order to allow air into the storage tank.
- Remove the plug (A) on the storage tank and connect the recirculation return pipe (1) in its place. Connect pipe (3) to pipe (1) interposing the flat seal (2) in the kit. Connect the non return valve (8), the nipples (9) and the T-shaped pipe (10) in sequence to the pipe (3), interposing the flat seals (2) in the kit.

Side connection.

- Connect the insulated recirculation pipe (4), the insulated flexible pipe (6) and the nipples (5) after having interposed the special flat seals (2) supplied with the kit, to the DHW recirculation system required for the side connection (Fig. 2).
- Connect the nipples (9), the non return valve (8) and the flexible pipe (11) to the insulated T-shaped pipe (10) in sequence after having interposed the special flat seals (2) supplied with the kit (Fig. 2).

N.B.: flexible pipe installation (11): insert the nut (11a) from the flange side. Temporarily connect the pipe (11). Shape the path of the flexible pipe, taking the measurements and lengths required, then if necessary cut the pipe using a pipe cutter to adapt the length as required. Insert the nut (11b), the plug (11c) at the mouth of the pipe and insert the brass ring (11d) in sequence, placing it on the 3rd groove and the 2 O-rings (11e) placing them on the 1st and 2nd groove. After placing the O-rings, remove the protective plug (11c). Join the brass fitting (11f) to the nut (11b).

- The recirculation pipe side connection can be performed in one of the holes provided (Fig. 2).

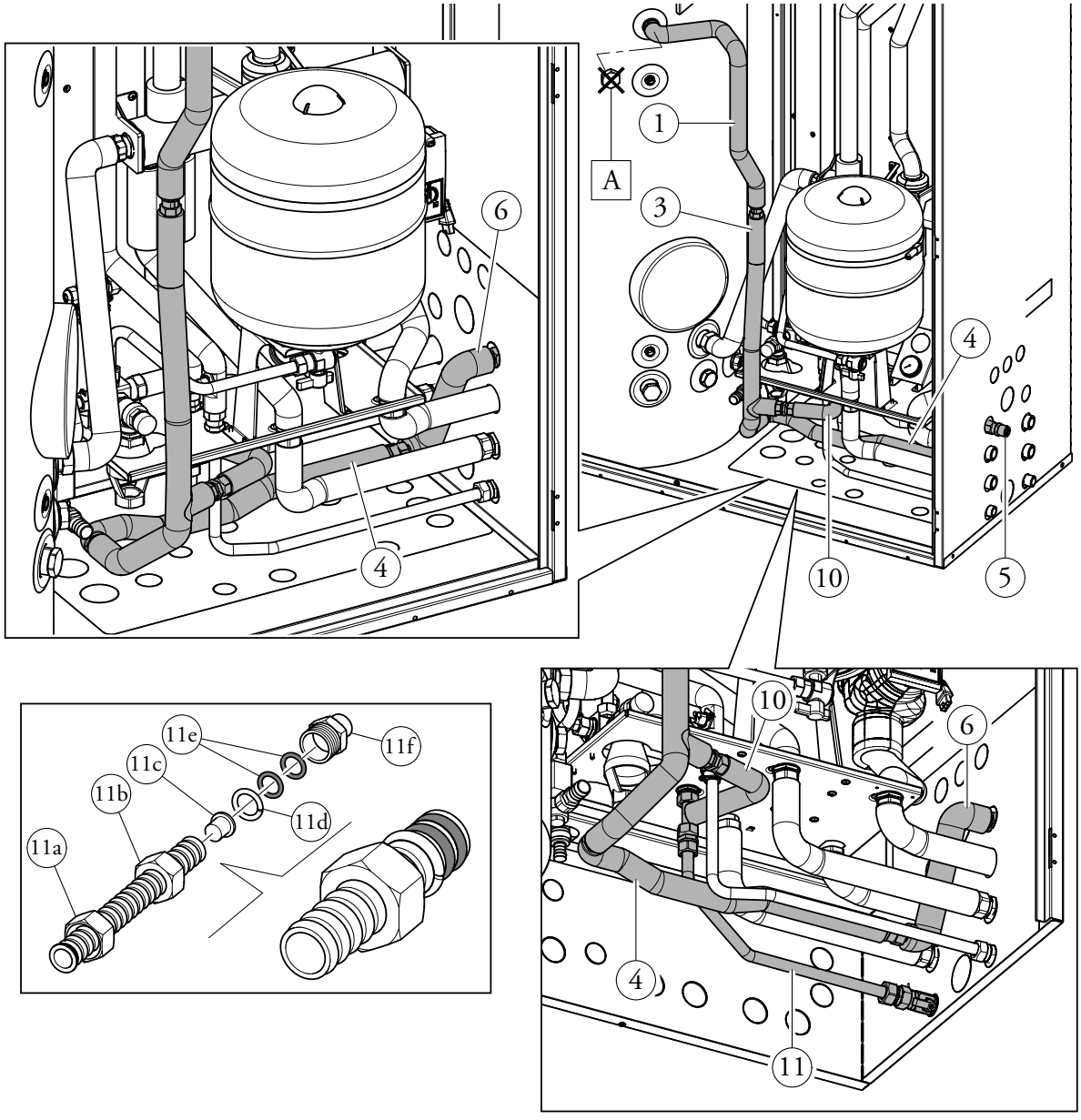


Fig. 2

Lower or rear connection.

- Connect the insulated flexible pipe (6) and the nipples (5) after having interposed the special flat seals (2) supplied with the kit, to the DHW recirculation system required for the lower or rear connection (Fig. 3).
- Connect the nipples (9), the non return valve (8) and the flexible pipe (11) to the insulated T-shaped pipe (10) in sequence after having interposed the special flat seals (2) supplied with the kit (Fig. 3).

  N.B.: flexible pipe installation (11): insert the nut (11a) from the flange side. Temporarily connect the pipe (11).

  Shape the path of the flexible pipe, taking the measurements and lengths required, then if necessary cut the pipe using a pipe cutter to adapt the length as required. Insert the nut (11b), the plug (11c) at the mouth of the pipe and insert the brass ring (11d) in sequence, placing it on the 3rd groove and the 2 O-rings (11e) placing them on the 1st and 2nd groove. After placing the O-rings, remove the protective plug (11c). Join the brass fitting (11f) to the nut (11b).
- The recirculation pipe lower or rear connection can be performed in one of the holes provided (Fig. 3).
- Make sure you have closed the storage tank drain valve and close the domestic hot water system valve which was opened previously.
- Reopen the domestic cold water inlet which was closed previously.
- Power the device again.
- Close the front door;

Caution: *for a correct DHW recirculation it is recommended to install a one-way valve and a pump by following the diagram shown in figure 4.* ***The hydraulic diagram provided below is only an example. The components described (Ref 3 and 4 fig. 4) are not provided with this optional kit but must be purchased separately.***

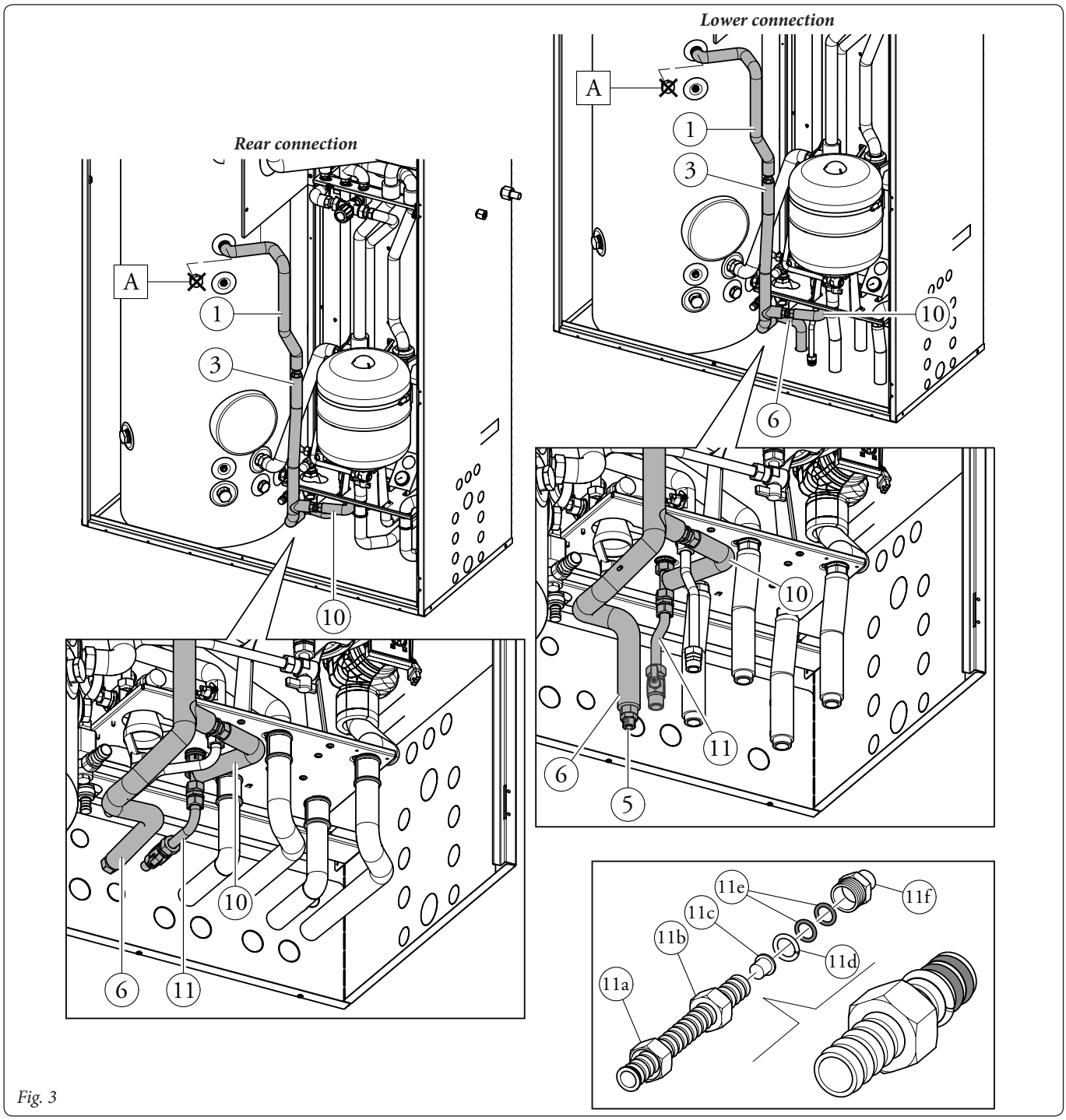
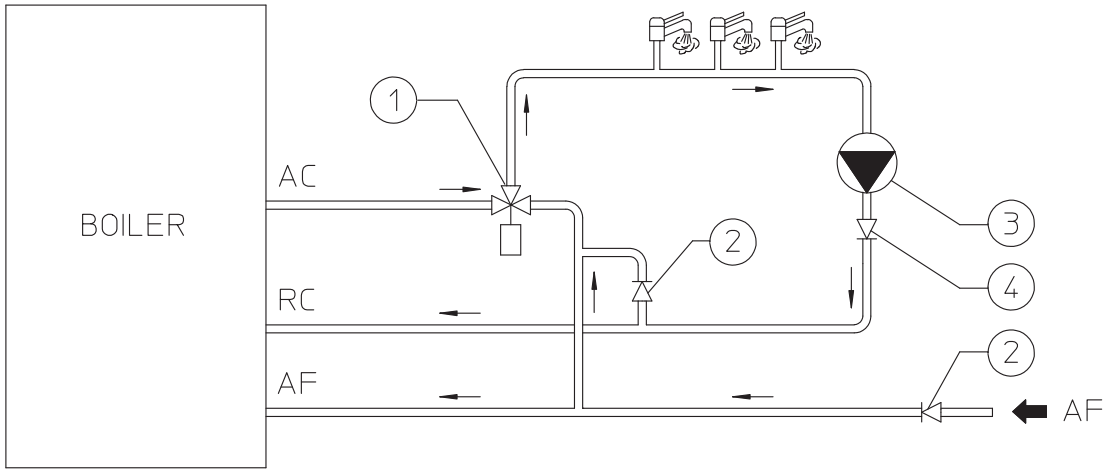


Fig. 3

Recirculation hydraulic diagram example.



Super Trio Components
- *1 - Mixing valve*
- *2 - One-way non return valve*

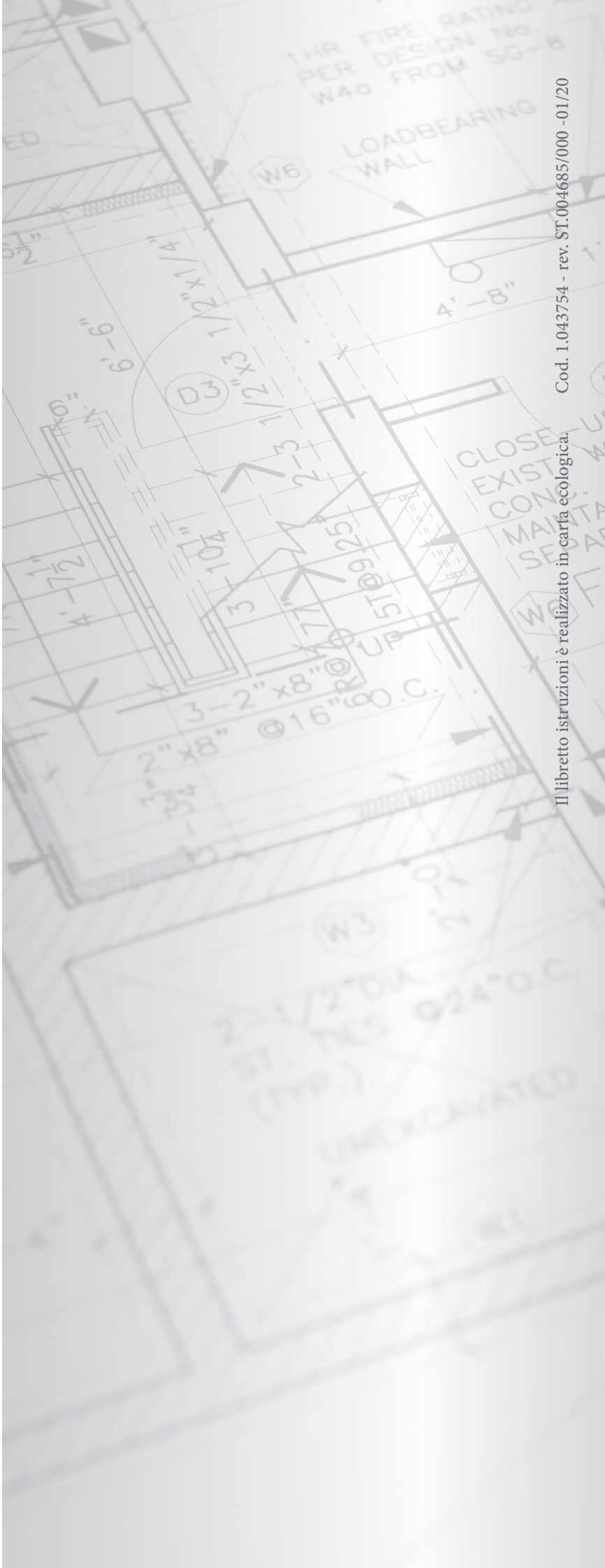
Components to be purchased separately:
- *3 - Recirculation pump (not provided)*
- *4 - One-way non return valve (not provided)*

Key:
- *AC - domestic hot water outlet*
- *AF - domestic cold water inlet*
- *RC - domestic hot water recirculation*

Fig. 4

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 service 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 declared data refers to new products that are correctly installed and used in accordance with applicable regulations.
NOTE: correct periodic maintenance is highly recommended.



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