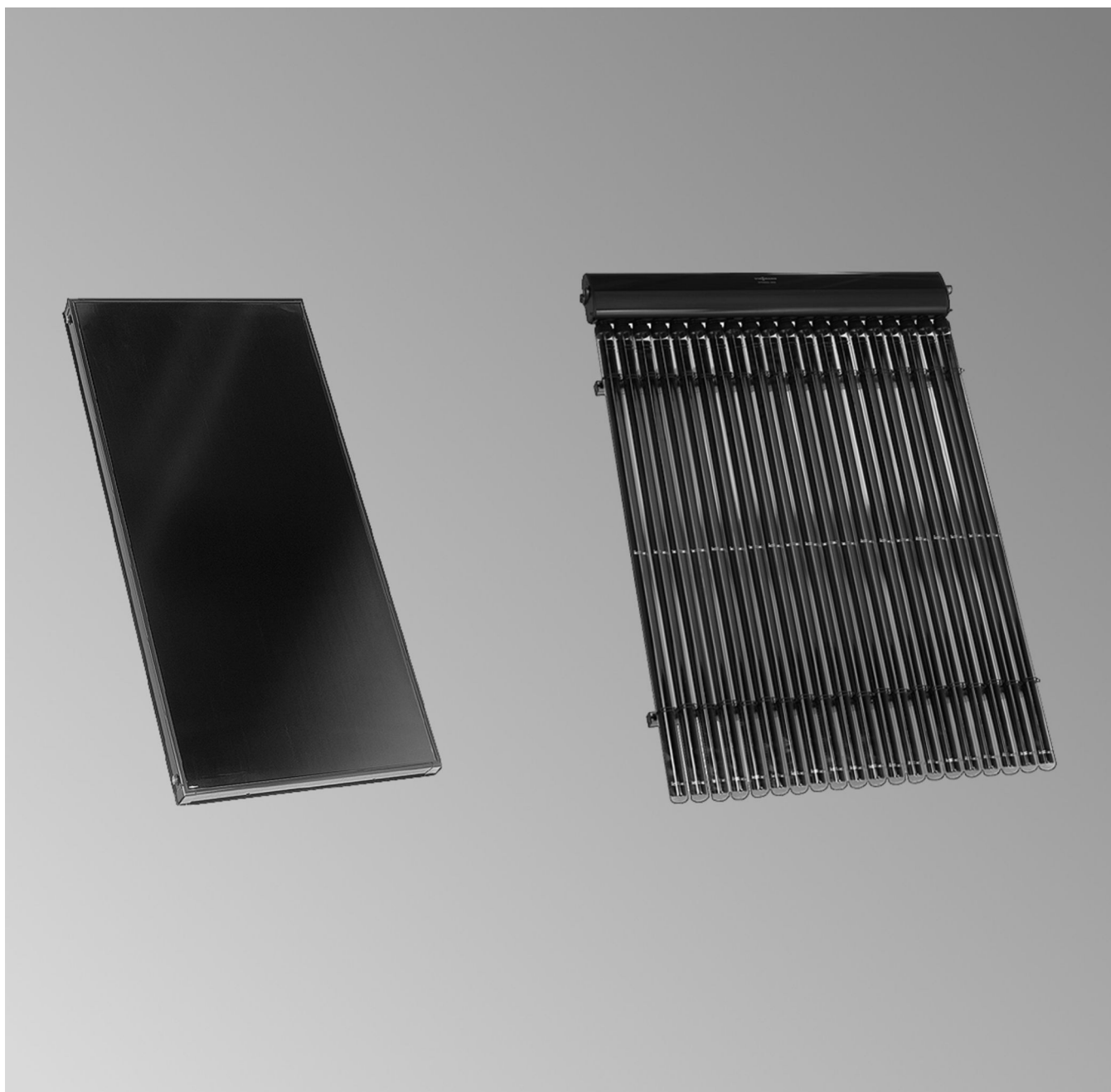


Operating instructions for the system user

VIESSMANN

Flat-plate and vacuum tube collectors

VITOSOL-F
VITOSOL-T



Safety instructions

For your safety



Please follow these safety instructions closely to prevent accidents and material losses.

Safety instructions explained



Danger

This symbol warns against the risk of injury.

Note

Details identified by the word "Note" contain additional information.



Please note

This symbol warns against the risk of material losses and environmental pollution.

Target group

These operating instructions are designed for system users.

This appliance is **not** designed to be used by persons (including children) with limited physical, sensory or mental capacities, or lacking experience and/or knowledge, unless they are supervised by a person responsible for their safety, or have received instructions from such a person as to how to use the appliance.



Danger

Incorrect work on the system can lead to life-threatening accidents.

Work on electrical equipment must only be carried out by a qualified electrician.



Please note

Children should be supervised.

Ensure that children never play with the appliance.

In case of fire



Danger

Fire creates the risk of burning and explosions.

- Shut down the system.
- Use a tested fire extinguisher, class ABC.

Ancillary components, spare and wearing parts



Please note

Components that are not tested with the system may lead to system damage, or may affect its functions.

Installation or replacement work must only be carried out by qualified personnel.

Commissioning and recommissioning

Commissioning must be undertaken by the system installer or a specialist authorised by the installer. Also observe the operating instructions of the connected components.

When the system is cold, the pressure must be equal to $1.0 \text{ bar} + 0.1 \text{ bar} \times \text{static head}$. The pressure can be read off the pressure gauge.

Note

The static head is the distance from the pressure gauge to the highest point of the system. For example, 1.0 bar needs to be added for a static head of 10 m.



Please note

To prevent damage to the system and the heat transfer medium, close the air vent valves after ventilation. This will prevent the expulsion of vapour and the ingress of air-borne oxygen.



Please note

Excess temperatures can result in damage to the solar thermal system. Therefore never switch off the solar thermal system in summer, e.g. during a holiday.

Insurance

Viessmann solar collectors are tested for impact resistance, for example against hailstones, to EN 12975-2.

Nevertheless we recommend that the user insures against extreme weather conditions and includes the collectors on their building insurance. The manufacturer's warranty excludes damage due to such conditions.

Care, inspection and maintenance



Please observe the service instructions supplied when cleaning or servicing the system.

- Check the pressure gauge regularly.
- Have leaking pipes and leaks in the solar thermal system repaired immediately.
- Every six months, check the operating pressure, the quiet running of the circulation pumps, the flow and return temperature and switching functions.
- We recommend regular checking of the heat transfer medium (frost protection level and pH value).



Service instructions

- Remove snow and contamination from the collectors (snow more than 50 cm deep). Increased contamination lowers the efficiency of the solar thermal system.
- Have your solar thermal system serviced regularly to ensure trouble-free, energy-conscious and environmentally responsible operation. We strongly advise you to arrange an inspection and maintenance contract with your local contractor.

Faults

Observe the operating instructions of the connected components.

Contact your local contractor if you are unable to troubleshoot the system.

Disposal

If the Viessmann solar collectors become unsuitable for solar use, Viessmann will accept their return and will arrange for them to be recycled.

Dispose of the spent heat transfer medium through an authorised public special waste disposal facility.

Your contact

Contact your local contractor if you have any questions about your system or wish to arrange maintenance or repair work. You can find local contractors on the internet at www.viessmann.de.



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