

Solar heating technology

## VITOSOL 200-FM

**VIESSMANN**

climate of innovation



**Heating Systems** ◀

**Industrial Systems**

**Refrigeration Systems**

## Patented by Viessmann, the switching absorber coating protects high-performance flat-plate collectors against overheating and stagnation.

### The high-performance flat-plate collectors

Vitosol 200-FM is an ideal addition to any heating system. With an absorber area of 2.3 m<sup>2</sup>, these solar collectors adapt to specific energy requirements. On average, they replace up to 60 percent of the energy required to heat domestic hot water every year while also helping to provide backup heating. When combined with an annual energy consumption for heating and hot water by more than a third.

### Straightforward system engineering

The temperature-dependent shutdown of these two collectors is entirely independent of system configuration and control unit settings. Solar thermal systems are, therefore, completely fail-safe. The thermal loads on system components and the heat transfer medium always stay within their normal range. This increases service life and operational reliability compared to conventional solar thermal systems. In addition to robust operation, collectors with temperature-dependent shutdown are also more tolerant of incorrect sizing.

Vitosol 200-FM with switching absorber coating ThermProtect



### Benefits for trade partners:

- High operational reliability and long service life thanks to lower stagnation temperatures
- Independent of controller settings, power failures and mechanical devices (e.g. dampers)
- Significantly lower stress on system components
- Can easily be sized for large plants
- Immediate restart after system standstill
- Simplified component selection

### Benefits for the user:

- No overheating problems in summer or when residents are away from home
- Higher solar coverage for central heating backup and DHW heating

### Take advantage of these benefits:

- High-performance Vitosol 200-FM and flat-plate collectors with switching absorber coating ThermProtect
- No overheating at high outdoor temperatures or low heat transfer.
- Increased solar coverage for backup heating and DHW heating
- Permanently sealed thanks to surrounding collector frame and seamless pane mount
- Quick, secure attachment with flexible stainless-steel corrugated-pipe plug-in connectors
- Universally suitable for sloped roof, flat roof, ground mount and awning installation  
Horizontal and vertical installation possible
- Appealing design, custom RAL coating on the frame (Vitosol 200-FM)



### Add appeal to any roof

Vitosol 200-FM is the right choice when the collector is to be supplied with a frame in a custom RAL color. Finished in dark blue as standard, the frame subtly blends into most roofs.

### Permanently sealed and well insulated

The surrounding folded aluminum frame and seamless pane mount ensure permanent leak-tightness and a highly stable collector. The rear panel is puncture-proof and corrosion-resistant. Highly effective thermal insulation reduces heat losses, especially in winter and the shoulder months.

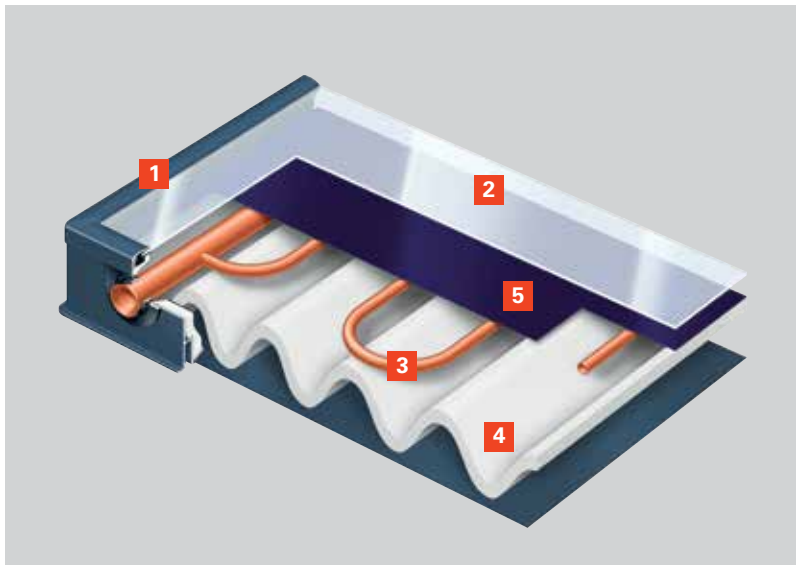
### Easy installation

Both collectors are exceptionally installation-friendly. Integrated flow and return pipes ensure secure installation even for larger collector arrays thanks to the flexible stainless-steel corrugated-pipe plug-in connectors. Up to twelve solar collectors can be easily linked together.

The flat-plate collectors are universally suitable for on-roof installation, roof integration and freestanding installation in locations such as flat roofs. The easy-to-install Viessmann fixing system comprises structurally tested, corrosion-resistant components made of stainless steel and aluminum.



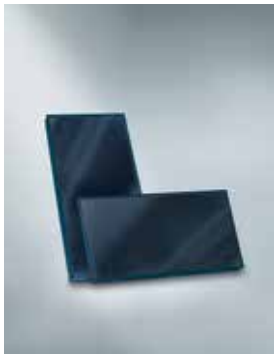
Collector frame with special roof integration profile for fitting the covering frame



### Vitosol 200-FM

- 1** Surrounding folded aluminum frame with glazing bead
- 2** Sturdy, highly transparent cover made from special glass with ThermProtect
- 3** Meander-shaped absorber
- 4** Highly effective thermal insulation
- 5** Absorber panel featuring ThermProtect coating with automatic temperature shut-off

## Technical Data



Type		Vitosol 200-FM SV2F	Vitosol 200-FM SH2F
Model		SV2F	SH2F
Installation		Vertical	Horizontal
Gross area	ft <sup>2</sup> / m <sup>2</sup>	27 / 2.5	27 / 2.5
Absorber area	ft <sup>2</sup> / m <sup>2</sup>	25.1 / 2.33	25.1 / 2.33
<b>Dimensions</b>			
Width	in /mm	41.75 / 1056	93.75 / 2380
Height	in /mm	93.75 / 2380	41.75 / 1056
Depth	in /mm	3.5 / 90	3.5 / 90
Weight	lbs /kg	90.2 / 40.9	90.2 / 40.9