

Solar thermal tube collectors

VITOSOL 300-TM

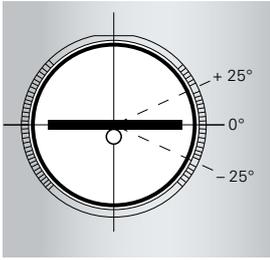
VIESSMANN



Heating systems ◀

Industrial systems

Refrigeration systems



Easy and fast installation.
Individual tubes can be angled to suit solar alignment.



Can be installed vertically, horizontally, on roofs, on building facades as well as free-standing.

With the Vitosol 300-TM, Viessmann offers a high-performance vacuum tube collector that meets the highest demands in terms of efficiency and safety.

The Vitosol 300-TM high-performance collector is one of the most efficient models on the market and is particularly suitable for use in limited spaces, due to the individual alignment of the absorber tubes.

It delivers an above-average yield of +/- 25 degrees even in less favourable sunlight conditions. The collector is designed for use in family homes and apartment buildings. It is equipped with the ThermProtect automatic temperature switch-off, which prevents overheating during sustained periods of high solar radiation.

Reliable operation thanks to ThermProtect

The Vitosol 300-TM is the only collector on the market to date that can be installed lying flat and also has the ThermProtect automatic temperature switch-off. It prevents overheating in case of stagnant heat and high solar radiation. This means that the Vitosol 300-TM is suitable for buildings that are not in use all year round, such as residential buildings during the holiday season.

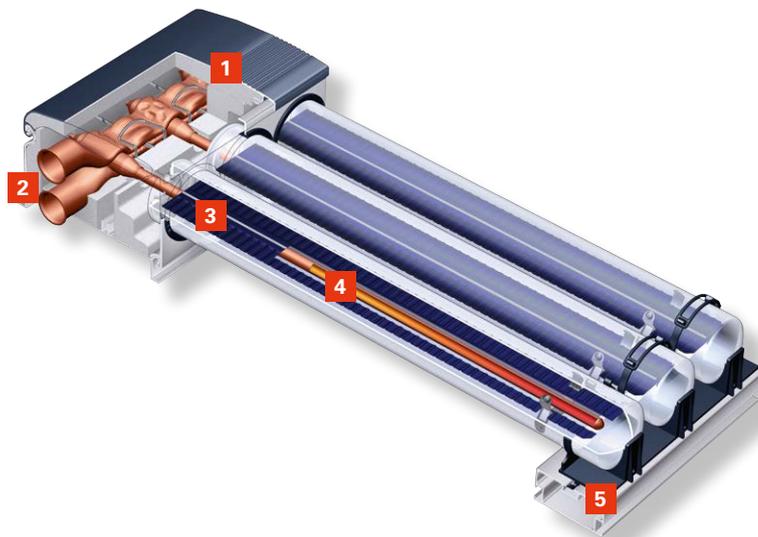
Above-average service life

The Vitosol 300-TM is designed for an above-average service life. High-quality, corrosion-resistant materials such as glass, aluminium, copper and stainless steel are used. The absorber is integrated into the vacuum tube, which protects it from the effects of the weather and provides a permanent protection against dust and dirt.

Fast, simple and safe installation

The on-roof mounting system simplifies the installation of the collectors. The rafter hooks and flange are screwed directly onto the rafters and thus enable the collectors to be perfectly adapted to the respective roof covering. To save further installation time, two mounting rails are also used.

In the case of servicing, the heatpipe tubes can be quickly and easily replaced even when the system is full due to the dry connection.



Vitosol 300-TM

- 1 Collector housing with highly effective thermal insulation
- 2 Duotec double-tube heat exchangers
- 3 Absorber plate with selective coating in the vacuum tube
- 4 Heatpipe with ThermProtect temperature switch-off
- 5 Foot rail with tube holder



Vitosol 300-TM offers universal application possibilities



Vitosol 300-TM high-performance vacuum tube collector (type SP3C)

Benefit from these features

- Highly efficient vacuum tube collector, with ThermProtect temperature switch-off for high operational reliability
- Protection against overheating in case of prolonged exposure to sunlight
- Long service life due to low stagnation temperatures and steam-free collectors
- Integrated absorber surfaces within the vacuum tube, meaning no contamination
- Efficient heat transfer through the Duotec double-tube heat exchanger
- Flexible absorber alignment for optimal orientation to the sun
- Dry connection, i. e. the individual tubes can be replaced when the system is full
- Highly effective thermal insulation minimizes heat loss

Technical Data Vitosol 300-TM (Type SP3C)



Vitosol 300-TM vacuum tube collector

		Vitosol 300-TM (Typ SP3C)	Vitosol 300-TM (Typ SP3C)
Absorber surface	m ²	1.51	3.03
Gross area	m ²	2.36	4.62
Aperture area	m ²	1.60	3.19
Measurements			
Length (depth)	mm	150	150
Width	mm	1053	2061
Height	mm	2241	2241
Weight	kg	39	79

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