

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality
hereby attests that the product(s)

Solar Collector

(Details as per the attached Scope of Certification)

manufactured by:

VAILLANT GROUP INTERNATIONAL GMBH

Ismet Inonu Street, Bozuyuk No. 263/Bilecik, Turkey

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

BS EN 12975-1:2006 +A1: 2010

Accordingly, DCLD hereby authorizes the above manufacturer
to affix the DCL Product Conformity Mark on the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN
Director, Dubai Central Laboratory Department
Dubai Municipality



Certificate No: CL17020517
Valid Until: 12/11/2021



Current Issue Date: 13/11/2020
Original Issue Date: 13/11/2017



The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.

DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL17020517

Certificate Issued To:	VAILLANT GROUP INTERNATIONAL GmbH Ismet Inonu Street, Bozuyuk No.263/Bilecik, Turkey
Applicable Standard Specification:	BS EN 12975-1:2006 +A1: 2010 – Thermal solar systems and components – Solar Collectors – Part 1: General requirements
Applicable Specific Rules:	DM-DCLD-RD-DP21-2178 (IC) – Specific Rules Certification of Solar Collectors as per BS EN 12975-1 through Factory Assessment DM-DCLD-RD-DP21-2084 (IC) – Guidelines for Factory Production control Plan for Solar Collector Manufacturers

SN	Product Description	Brand Name	Product Details
1	<p>Thermosyphon Solar Collector</p> <p>Gross Dimensions: 2145*1045*77.5 mm Gross Area: 2.25 m²</p> <p>Absorber Area: 2.02 m² Aperture area: 2.07 m²</p> <p>Weight (empty): 37Kg Fluid content: 1.16 L</p> <p>Max Operating Pressure: 10 bar Max Stagnation Temperature: 200°C</p>	<p>Thermosyphon Solar Collector (FAMILY) “VFK” Commercial Product Name With model (VFK 118 T)</p>	<p>Thermosyphon Solar Collector (FAMILY) “VFK” Commercial Product Name With model (VFK 118 T) and dimensions (2145*1045*77.5 mm)</p> <p>Absorber Materials: Harp shape Copper with 9 risers 8 mm diameter each, 0.45 thickness and 1980 mm length. headers 18 mm diameter and 0.5 mm thickness and 1040 mm length, Riser tube-Absorber connection: ultrasonic - welded</p> <p>Aperture area 2.07 m²; Absorber area 2.02 m²; Gross Area (2.25 m²) Absorber coating : High selective surface (Blue); solar glass 4.0 mm thickness top cover; thickness of 30 mm for back rock wool insulation</p> <p>Frame: Uncoated Aluminum Frame Sealing materials: EPDM rubber</p> <p>Maximum Operating Pressure is 1000 kPa (10 bar); Maximum Stagnation Temperature is 200 °C</p> <p>Total Empty Weight 37 kg</p>

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SCOPE OF CERTIFICATION
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NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE2: The above product shall bear the DCL Conformity Mark.

Original Issue Date : 13 November 2017
Current Issue Date : 13 November 2020
Valid Until : 12 November 2021

ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager
Dubai Central Laboratory Department