

# 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:

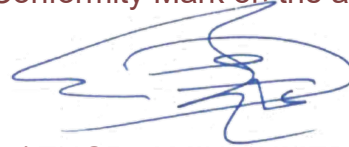
**VAILLANT GROUP INTERNATIONAL GMBH**

**Saunier Duval Eau Chaude Chauffage Industrie S.A.S. 17, 44315 Nantes Cedex 03, France**

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: CL18020625  
Valid Until: 26/08/2021



Current Issue Date: 27/08/2020  
Original Issue Date: 27/08/2018



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. CL18020625**

<b>Certificate Issued To:</b>	VAILLANT GROUP INTERNATIONAL GmbH – France Saunier Duval Eau Chaude Chauffage Industrie S.A.S. 17, Rue de la Petite Baratte – B.P.41535, 44315 Nantes Cedex 03, France
<b>Applicable Standard Specification:</b>	BS EN 12975-1:2006 +A1: 2010 – Thermal solar systems and components – Solar Collectors – Part 1: General requirements
<b>Applicable Specific Rules:</b>	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>Flat Plate Solar Thermal Collector</p> <p>Gross Dimensions: 2033*1233*80 mm Gross Area: 2.507 m<sup>2</sup></p> <p>Absorber Area: 2.330 m<sup>2</sup> Aperture area: 2.352 m<sup>2</sup></p> <p>Weight (empty): 38Kg Fluid content: 1.85 L</p> <p>Max Operating Pressure: 1000 kPa = 10 bars Stagnation Temperature: 176°C</p>	<b>VFK -125-3 S</b>	<p>Absorber Materials: Aluminum Absorber Sheet – Mirosol TS 0.4 mm- Laser welded into serpentine copper tubes vertical.</p> <p>Headers: copper tube of 19 x 0.8 mm diameter Serpentine Risers: copper tubes of 10 x 0.4 mm diameter;</p> <p>Rockwool thermal insulation of 50 kg/m<sup>3</sup> density with thermal conductivity of 0.035 W/(m*K) and 40 mm Thickness.</p> <p>Solar clear 3.2 mm clear glass cover Aluminum profile frame 2K Silicone &amp; EPDM based sealing materials Use with anti-freeze thermal fluid (water - glycol mixture)</p>

DUBAI CENTRAL LABORATORY DEPARTMENT  
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION  
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2	<p>Flat Plate Solar Thermal Collector</p> <p>Gross Dimensions: 2033*1233*80 mm Gross Area: 2.507 m<sup>2</sup></p> <p>Absorber Area: 2.330 m<sup>2</sup> Aperture area: 2.352 m<sup>2</sup></p> <p>Weight (empty): 38Kg Fluid content: 1.46 L</p> <p>Max Operating Pressure: 1000 kPa = 10 bars Stagnation Temperature: 200°C</p>	VFK 135/2 VD S	<p>Absorber Materials: Aluminum Absorber Sheet – Mirotherm 0.4 mm - Laser welded into serpentine copper tubes vertical</p> <p>Rockwool thermal insulation of 50 kg/m<sup>3</sup> density with thermal conductivity of 0.035 W/(m*K) and 40 mm Thickness.</p> <p>Solar 3.2 mm structured glass cover Aluminum profile frame</p> <p>Silicone &amp; EPDM based sealing materials Use with anti-freeze thermal fluid (water - glycol mixture)</p>
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NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

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

Original Issue Date : 27 August 2018

Current Issue Date : 27 August 2020

Valid Until : 26 August 2021



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