

إدارة مختبر دبي المركزي
Dubai Central Laboratory Department (DCLD)شهادة مطابقة للمنتج
CERTIFICATE OF PRODUCT CONFORMITY

Certificate number:	CL18020617	رقم الشهادة:
Issued to the Product:	Solar Collector Details as per the attached Scope of Certification	تم منح الشهادة للمنتج:
Manufactured by:	VENMAN S.A.	مصنع من قبل:
Address:	7 km Old National Road, Thessalniki-Kilkis, 570 22 Ind. Area - Sindos, Thessaloniki, Greece	العنوان:

تم تقييم المنتج وفقاً لمرجع إدارة مختبر دبي المركزي رقم (IC) DM-DCLD-RD-DP21-2001 "الأحكام العامة لنظام بلدية دبي لمنح شهادة مطابقة المنتج من قبل طرف ثالث من خلال تقييم المصنع" والأحكام الخاصة ذات الصلة، وتم الإقرار بناءً عليه بأنه مطابق للمواصفة القياسية:

The product has been assessed in accordance to DCLD Document Reference 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

وطبقاً لذلك، تفوض إدارة مختبر دبي المركزي الشركة المصنعة المذكورة أعلاه بوضع علامة المطابقة للمنتج على المنتج/المنتجات المذكورة أعلاه

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

Original Issue Date:	30/07/2018	تاريخ الإصدار الأولي:
Current Issue Date:	30/07/2024	تاريخ الإصدار الحالي:
Valid until:	29/07/2025	صالحة لغاية:

MAJED AL SHAMSI
Manager of Certification and Quality Control of Products Section
Dubai Central Laboratory Department-Dubai Municipality

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.

OPEN-DATA

DM-DCLD-F-IC-2031 Rev 26

DUBAI CENTRAL LABORATORY DEPARTMENT DCLD-CQPS PRODUCT CONFORMITY CERTIFICATION SCHEME

SCOPE OF CERTIFICATION FOR CERTIFICATE NO. CL18020617

Certificate Issued To:	VENMAN S. A. 7 km Old National Road, Thessalniki-Kilkis, 570 22 Ind. Area - Sindos, Thessaloniki, Greece
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) – Certification of Solar Collectors as per BS EN 12975-1: 2006 + A1: 2010 through Factory Assessment. DM-DCLD-RD-DP21-2084 (IC) – Guidelines for Factory Production control Plan for Solar Collector Manufacturers.

Technical Data	TECHNICAL SPECIFICATIONS OF COLLECTORS H81									
Family Name	H81									
Model / Size	H81-15	H81-17	H81-19	H81-20	H81-21	H81-22	H81-23	H81-25	H81-26	
Brand Name	VENMAN – H81									
Collector Type	Flat Plate Solar Collector									
Max. Operating Pressure	10 Bars									
Max. Stagnation Temperature	170 °C									
Insulation Material, Density and Thickness	Rockwool: 50 kg/m ³ and 30mm									
Sealing Materials	Elastomeric Sealant									
Absorber Materials	Aluminum with Surface Plate Thickness of 0.4 mm and Selective Coating treatment									
Frame Material and Thickness	Pre-painted steel: 0.5 mm									
Back Cover Material and Thickness	Pre-painted steel: 0.5 mm									
Riser Tubes material	Copper									
Header Diameter	Inner: 20.6 mm Outer: 22 mm									
Covering Materials	3.2 mm thickness Clear Tempered Glass									

**DUBAI CENTRAL LABORATORY DEPARTMENT
DCLD-CQPS PRODUCT CONFORMITY CERTIFICATION SCHEME**

**SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL18020617**

Gross Dim. H x L x T (mm)	1460 x 960 x 80	1375 x 1135 x 80	1455 x 1255 x 80	1960 x 960 x 80	2000 x 1000 x 80	1960 x 1040 x 80	1845 x 1135 x 80	1960 x 1210 x 80	2000 x 1210 x 80
Gross Area, m²	1.40	1.56	1.83	1.88	2.00	2.04	2.09	2.37	2.42
Aperture Area, m²	1.32	1.52	1.79	1.79	1.92	1.94	2.05	2.27	2.33
Absorber Area, m²	1.35	1.45	1.71	1.83	1.97	2.01	2.09	2.33	2.33
Weight Empty, kg	30	34	36	37	38	38	40	41	42
Fluid Content, L	1.45	1.51	1.57	1.63	1.69	1.71	1.75	1.81	1.85
Number of Risers/ Channels, Pcs	10	10	10	10	10	10	11	11	11
Internal Riser diameter, mm	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
External Riser diameter, mm	8	8	8	8	8	8	8	8	8

NOTE 1: This document forms an integral part of the Certificate of Product Conformity bearing the same certificate number.

NOTE 2: The above product shall bear the DCLD Conformity Mark.

NOTE 3: As applicable, other properties in the product standard specification which were excluded in the specific rules as approved by the certification body authorized personnel are to be verified by the end user of the product (if needed).

Original Issue Date : 30/07/2018

Current Issue Date : 30/07/2024

Valid Until : 29/07/2025



MANAGER

CERTIFICATION AND QUALITY CONTROL OF PRODUCTS SECTION