



# ICC-SRCC™ LISTING CERTIFICATE

## Solar Thermal Listing Program

LISTING NUMBER: SRCC-16006  
 EXPIRATION DATE: 10/01/2022

[www.solar-rating.org](http://www.solar-rating.org) (888) 422-7233 3060 Saturn Street, Suite 100, Brea, CA 92821 USA

A Program of the ICC Evaluation Service (ICC-ES) – [www.icc-es.org](http://www.icc-es.org)

### CSI

DIVISION: 22 00 00 – PLUMBING  
 Section: 22 50 00 - POOL PLUMBING SYSTEMS

DIVISION: 23 00 00 – HEATING  
 Section: 23 56 13 – HEATING SOLAR COLLECTORS

### PRODUCT CERTIFICATION PROGRAM

The ICC-SRCC Solar Thermal Standard Listing Program is conducted in accordance with the latest version of the *ICC-SRCC Solar Thermal Listing Program Guidelines*. The program includes evaluation of the manufacturer's quality assurance systems to assess continued compliance with applicable codes and standards.

**PRODUCTS** Solar Thermal Collectors

**LISTEE** FAFCO, Inc [www.fafco.com](http://www.fafco.com)  
 435 Otterson Drive (800) 994-7652  
 Chico, CA 95928 U.S.A.

### COMPLIANCE WITH:

#### CODES

- ❖ 2018, 2021 Uniform Solar, Hydronics & Geothermal Code®\*
- ❖ 2018, 2021 Uniform Plumbing Code® (UPC)\*
- ❖ 2018, 2021 Uniform Swimming Pool & Hot Tub Code®\*
- ❖ 2018, 2021 International Building Code® (IBC)\*\*
- ❖ 2018, 2021 Int'l Swimming Pool & Spa Code® (ISPSC)\*\*
- ❖ 2018, 2021 Int'l Energy Conservation Code® (IECC)\*\*
- ❖ 2018, 2021 Int'l Green Construction Code® (IgCC)\*\*
- ❖ 2018, 2021 Int'l Plumbing Code (IPC)\*\*
- ❖ 2018, 2021 Int'l Residential Code (IRC)\*\*
- ❖ 2018, 2021 Int'l Mechanical Code (IMC)\*\*
- ❖ 2019 California Building Code (CBC)

#### STANDARDS & CRITERIA

- ❖ NSF 50-2014, Equipment for Swimming Pools Spas and Hot Tubs\*\*\*
- ❖ NSF/ANSI/CAN 61-2020, Drinking Water System Components – Health Effects\*\*\*
- ❖ ICC 901/SRCC 100-2015, Solar Thermal Collector Standard

\*Uniform Codes are copyrighted publications and trademarks of the International Association of Plumbing and Mechanical Officials (IAPMO)

\*\*International Codes are copyrighted publications and trademarks of the International Code Council (ICC)

\*\*\* NSF Standards are copyrighted publications of NSF International.

### MODELS

| TYPE                | BRAND NAME      | SIZES                                       | OG-100 CERTIFICATION*    |
|---------------------|-----------------|---|--------------------------|
| Unglazed Flat Plate | 500/200 Series  | 2x8, 2x12                                   | <a href="#">2007030A</a> |
| Unglazed Flat Plate | Sungrabber      | 2x10, 2x12, 2x20                            | <a href="#">2008007A</a> |
| Unglazed Flat Plate | SunSaver        | 2x8, 2x10, 2x12, 4x6, 4x8, 4x10, 4x12, 4x20 | <a href="#">10001954</a> |
| Unglazed Flat Plate | SunSaver ST     | 2x8, 2x10, 2x12, 4x6, 4x8, 4x10, 4x12       | <a href="#">10001773</a> |
| PV-Thermal (PVT)    | CoolPV          | 09550, 09741, 09749, 09809, 09857           | <a href="#">10001993</a> |
| PV-Thermal (PVT)    | CoolPV          | 09882, 09883, 09907, 09942, 09960           | <a href="#">10002084</a> |
| Unglazed Flat Plate | SunGrabber PLUS | 4x8, 4x10, 4x12                             | <a href="#">10002058</a> |

The products listed above have been evaluated by the Solar Rating & Certification Corporation (ICC-SRCC™), an ISO/IEC 17065 accredited and EPA recognized Certification Body, in accordance with the *ICC-SRCC Solar Thermal Listing Program Operating Guidelines* and has been listed by the ICC-SRCC to the codes and standards above. This award of listing is subject to all terms and conditions of the *ICC-SRCC Solar Thermal Listing Program Agreement*, and the documents incorporated therein by reference.

\* Certifications to the ICC-SRCC OG-100 program are available at <http://www.solar-rating.org/directory>

## INSTALLATION

Solar thermal collectors must be installed in accordance with the manufacturer's published installation instruction, the applicable code(s) add this listing. Where differences exist, the instructions in this listing must govern.

Where the product requires periodic examination, adjustment, service and or maintenance it must be easily and safely in accordance with the codes in force at the installation site.

Collectors and supports shall be installed in such a manner that water flowing off the collector will not damage the building or cause premature erosion of the roof. Collectors shall be installed in such a manner as to minimize the accumulation of debris. Ground-mounted collectors shall be at least 6" above ground level.

Structural supports shall be selected and installed in such a manner that thermal expansion of the collector and piping will not cause damage to the collector, structural frame or building. Neither wind loading (including uplift) nor the additional weight of filled collectors shall exceed the live or dead load ratings of the building, roof, roof anchorage, foundation or soil. Collector supports shall not impose undue stresses on the collectors. The design load shall be as specified by the codes in force at the installation site and shall include an additional load due to snow accumulation for applicable locations.

## CONDITIONS OF LISTING

1. Devices and components shall be installed and used in accordance with the manufacturer's published installation instructions and the applicable code(s) and standard(s).
2. Systems shall be sized in accordance with the demand, manufacturer's requirement, and local codes.
3. System components requiring access for maintenance and inspection shall be installed to provide required access in accordance with manufacturer's instructions and local codes.
4. Solar thermal collectors shall be installed in accordance with the requirements of ISPSA Section 316, Chapter 7 of the USPHTC, Section 1510 and 2606.12 of the 2018-IBC and Section 1511 of the 2021 IBC (and Section 3139B.1 and 3112.2 of the CBC in CA), IgCC Section 607.3 and Chapter 7 of the USEC.
5. Where used in solar pool heating systems, the pipe and fittings used in conjunction with this collector shall be recognized for use in pool and spa applications.
6. Solar thermal collectors shall not be installed below flood elevation level.
7. Solar thermal collectors shall only be used with water per manufacturer's requirements.
8. Each installation must be pressure-tested for leaks in the presence of the code official or code official's designated representative.
9. Penetrations through fire-resistance-rated walls and roof decks shall comply with Section 712 of the 2018 IBC and Section 714 of the 2021 IBC.
10. CoolIPV photovoltaic-thermal collectors shall be utilized with photovoltaic modules that are listed and labeled to UL 1703 or UL 61730 and shall be installed behind the PV module in accordance with manufacturer's instructions and conditions of

OG-100 certification.

11. CoolPV photovoltaic-thermal collector ballasted system shall comply with the requirements of Section 1613A.3 of the CBC in CA.
12. CoolPV photovoltaic-thermal collectors shall indicated the dead load of rooftop-mounted collectors including rack support systems on the construction documents to comply with the requirements of Section 1603A.1.8.1 of the CBC in CA.
13. CoolPV photovoltaic-thermal collectors shall comply with wind load requirements of Section 1609A of the CBC in CA.
14. Solar thermal components shall use approved mounting hardware in compliance with the manufacturer's installation instructions and the requirements set forth by the Authority Having Jurisdiction.
15. Solar thermal collectors shall be installed to prevent water intrusion into roof assemblies in accordance with the requirements of Chapter 15 of the CBC in CA and Chapter 15 of the IBC.
16. Roof structures that provide support for photovoltaic panel systems shall be comply with Section 1607A.13.5.2 of the CBC in CA, as applicable.
17. Devices and components are manufactured by FAFCO, Inc. under a quality control program with surveillance inspection every two years conducted in accordance with the requirements of ICC-SRCC.

## MARKING



Models listed above were evaluated to the codes and standards listed in accordance with the *ICC-SRCC Solar Thermal Listing Program Guidelines* and are eligible to display the following mark as governed by the *ICC-SRCC Solar Thermal Listing Program Agreement*. Each device or component shall also be permanently marked with manufacturer's name or trademark, model name and/or number, recommended working fluids, maximum working temperature and pressure, and recommended flow rate(s).

*Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by the Solar Rating and Certification Corporation, express or implied as to any finding or other matter in this listing, or as to any product covered by the listing. This document must be reproduced in its entirety.*