

# ICC-ES Report

# PMG-1093

ICC-ES | (800) 423-6587 | (562) 699-0543 | [www.icc-es.org](http://www.icc-es.org)

Reissued 12/2016  
This report is subject to renewal 12/2017

EVALUATION SUBJECT:

## SOLAR-TRAC<sup>®</sup> FLEXIBLE STEEL PIPING AND FITTINGS

**DIVISION:**

23 00 00—HEATING, VENTILATION AND AIR CONDITIONING

**SECTION:**

23 21 13—HYDRONIC PIPING

Report Holder:

**OMEGA FLEX INC.**

451 CREAMERY WAY  
EXTON, PA 19341



Look for the ICC-ES marks of Conformity!



## ICC-ES PMG Listing

**PMG-1093**



Effective Date: December 2016

This listing is subject to re-examination in one year.

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A Subsidiary of the International Code Council®

CSI: DIVISION: 23 00 00 — HEATING, VENTILATING, AND AIR-CONDITIONING  
Section: 23 21 13 — Hydronic Piping

### Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Solar-Trac® Flexible Steel Piping and Fittings

Listee: Omega Flex Inc.  
451 Creamery Way  
Exton, Pennsylvania 19341  
[www.omegaflex.com](http://www.omegaflex.com)

### Compliance with the following codes:

2015, 2012 and 2009 *International Mechanical Code*® (IMC)  
2015, 2012 and 2009 *International Plumbing Code*® (IPC)  
2015, 2012 and 2009 *International Residential Code*® (IRC)  
2015, 2012 and 2009 *Uniform Mechanical Code*® (UMC)\*  
2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)\*

\**Uniform Mechanical Code and Uniform Plumbing Code are copyrighted publications of the International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, California 91761.*

### Compliance with the following standards:

ICC-ES LC 1029 – 2011, PMG Listing Criteria for Flexible Piping for Solar Thermal Applications  
ASTM A240 – 2016, Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications  
ASTM C518 – 2015, Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus

### Identification:

Solar-Trac® piping shall be marked at minimum 3 feet intervals with the manufacturer's name or logo, nominal size, manufacture date and the ICC-ES PMG listing mark.

### Installation:

Solar-Trac® piping system shall be installed in accordance with the Omega Flex's published installation instructions and applicable codes.

## Models:

Solar-Trac® Flexible Steel Piping and Fittings for solar thermal hot water systems consists of followings models:

Part Number	Description
SLT-FSP-500	½" Solar-Trac Flexible Steel Piping and Fittings
SLT-FSP-750	¾" Solar-Trac Flexible Steel Piping and Fittings
SLT-FSP-1000	1" Solar-Trac Flexible Steel Piping and Fittings
SLT-FSP-1250	1-¼" Solar-Trac Flexible Steel Piping and Fittings

## Conditions of Listing:

1. Solar-Trac® Flexible Steel Piping and Fittings shall be installed in accordance with the Omega Flex's published installation instructions and applicable codes.
2. Pressure relief valves, with a relief setting, shall be provided for each system.
3. Connections with potable water system must be protected as required by the applicable code.
4. The system must be protected from freezing.
5. Water hammer shall be considered in the design when the system operates at or above 80 psi.
6. The Solar-Trac® piping system is manufactured by Omega Flex® Inc. in Exton, Pennsylvania, under a quality control program with one inspection per year by ICC-ES.