

License Information

Scope – Tests a candidate's knowledge of the installation, alteration, repair, and replacement of any solar heating system intended for residential or swimming pool applications. Includes collectors, storage and expansion tanks, heat exchangers, piping, valves, pumps, sensors, and low voltage controls that connect to existing plumbing and electrical circuits.

Examination Outline

Open Book

50 Questions**Time limit: 2 hours and 10 minutes****70% Correct required to pass**

Exam Topic	%
General Knowledge	20
Collectors and Panels	16
Installation	10
Piping and Valves	10
Swimming Pools	8
Heat Transfer Fluids	8
Materials	7
Pumps	7
Sensors and Controls	7
Storage	7

References

The following references **are allowed** in the testing center.

1. *2007 Florida Building Code: Mechanical Volume*, 2008, International Code Council (ICC), 4051 West Flossmoor Road, Country Club Hills, IL 60478, www.iccsafe.org.
2. *Code of Federal Regulations, Title 29, Part 1926* (OSHA), Revision July 1, 2008, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, www.access.gpo.gov.
3. *Mathematics for Plumbers and Pipefitters*, Seventh Edition, 2008, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
4. *Modern Hydronic Heating for Residential and Light Commercial Buildings*, Second Edition, 2004, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.

5. *Solar Water and Pool Heating Manual FSEC-IN-24*, 2006, Florida Solar Energy Center, Document Sales, 1679 Clearlake Road, Cocoa, FL 32922, www.fsec.ucf.edu.

For information on how to obtain exam references, please call toll-free 877.624.2562.

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