

License Information

Scope – To assemble and install solar hot water systems in residential and commercial buildings and swimming pools. Install solar heating and cooling systems in residential, commercial, and industrial buildings.

Examination Outline**Closed Book****25 Questions - One-hour time limit****75% Correct required to pass**

Exam Topic	%
Piping/Materials/Methods	28
System Design/Estimating and Sizing	28
Pumps and Storage Systems	16
Collector	16
System Controls	12

References

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Principles of Solar Engineering*, 1978, Frank Kreith and Jan Kreider
2. *Modern Refrigeration and Air Conditioning*, 1996, Althouse – Turnquist - Bracciano.
3. *Uniform Solar Energy Code*, 1994, International Association of Plumbing and Mechanical Officials.
4. *Solar Water and Pool Heating Design and Installation Manual*, 1992, Florida Solar Energy Center.
5. *Solar Domestic Hot Water Systems*, 1989, Florida Solar Energy Center.
6. *Plumbing*, 1994, Ripka.
7. *A.S.S.E. Energy and Water Conservation Guidelines*, 1987.

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

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