

L-4 Boilers, Steamfitting and Process Piping (Commercial)

Exam Number: 030370
Effective Date: 08/18/08

License Information

Scope – Installation, alteration, and repair of steam and hot water systems and boilers, including chimney connections, flues, refractories, burners, piping, fittings, valves, thermal insulation, and accessories; fuel and water lines from the source of supply to boilers; process and specialty piping and related equipment; pneumatic and electrical controls. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or subpanel.

Examination Outline

Closed Book

80 Questions - Three-hour time limit

70% Correct required to pass

Exam Topic	%
Steam/Hot Water Piping	19
Boilers	15
Flues and Vents	11
Controls	11
Fuel Piping/Storage	11
Burners	10
Test and Inspection	9
Sizing and Estimating	8
Process Piping	6

References

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

1. *Arizona Boiler Rules, Arizona Administrative Code, Title 20, Chapter 5, Article 4*, As amended through December 31, 2006, Arizona Secretary of State, 1700 West Washington Street, Seventh Floor, Phoenix, AZ 85007, www.azsos.gov/public_services.
2. *ASME CSD-1-2006 – Controls and Safety Devices for Automatically Fired Boilers*, 2006, American Society of Mechanical Engineers (ASME), 22 Law Drive, P.O. Box 2350, Fairfield, NJ 07007-2350, www.asme.org.
3. *International Fuel Gas Code*, 2006, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.

4. *International Mechanical Code*, 2006, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
5. *High Pressure Boilers*, Third Edition, 2003, American Technical Publishers (ATP), 1155 West 175th Street, Homewood, IL 60430-4600, www.go2atp.com.
6. *Low Pressure Boilers*, Second Edition, 2005, American Technical Publishers (ATP), 1155 West 175th Street, Homewood, IL 60430-4600, www.go2atp.com.
7. *NFPA 31 - Standard for the Installation of Oil Burning Equipment*, 2006 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, www.nfpa.org.
8. *Practical Heating Technology*, 1994 Edition, Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.

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

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