

# C-4 BOILER, HOT-WATER HEATING, AND STEAM FITTING CONTRACTOR

## License Information

**Scope** – To install and repair fire-tube and water-tube power boilers and hot-water heating boilers, and thermal fluid systems including all fitting and piping, valves, gauges, pumps, radiators, convectors, fuel oil tanks, fuel oil lines, chimneys, flues, heat insulation, and all other devices, to include pipe insulation connected with boiler installation and repair.

## Examination Outline

### **Closed-Book**

**60 Questions – Two-hour time limit**

**75% Correct Required to Pass**

SUBJECT AREA	PERCENT
STEAM AND HOT WATER BOILERS	25
FUEL OIL AND GAS PIPING	15
STEAM PIPING	20
INSULATION	10
CHIMNEYS AND FLUES	12
SIZING AND ESTIMATING	10
INSPECTION AND TESTING	8

## References

*The following references have been used to create exam questions but are NOT allowed in the testing center:*

1. *ASME Boiler and Pressure Vessel Code I – Rules for Construction of Power Boilers*, 2004 Edition, American Society of Mechanical Engineers (ASME), 22 Law Drive, P.O. Box 2350, Fairfield, NJ 07007-2350, www.asme.org.
2. *ASME Boiler and Pressure Vessel Code IV – Rules for Construction of Heating Boilers*, 2004 Edition, American Society of Mechanical Engineers (ASME), 22 Law Drive, P.O. Box 2350, Fairfield, NJ 07007-2350, www.asme.org.
3. *High Pressure Boilers*, Third Edition, 2003, American Technical Publishers (ATP), 1155 West 175<sup>th</sup> Street, Homewood, IL, 60430-4600, www.americantech.net.
4. *Low Pressure Boilers*, 2001 Edition, American Technical Publishers (ATP), 1155 West 175<sup>th</sup> Street, Homewood, IL, 60430-4600, www.americantech.net.
5. *Uniform Mechanical Code*, 1994 Edition, IAPMO – International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, CA 91761-2816, www.iapmo.org.

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

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