



## **Completed Projects / Projets terminés**

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### **New Standards – New Editions – Special Publications**

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#### **Gas Technician Training 1 — Module 26, 3rd edition**

*Flame Safeguard*..... \$40

This module covers typical flame safeguard controls used on industrial and commercial equipment, and gas-fired burners and associated equipment used to manage the burner's operation. This equipment includes flame detectors, operating and safety devices used to stop and start the burner, valves, sequencing relays, and auxiliary controls used in burner safety control systems.

#### **Gas Technician Training 1 — Module 27A, 3rd edition**

*Commercial/Industrial Appliances over 400 000 Btu/h (120 kW)*..... \$40

This module covers the installation and start-up of commercial and industrial equipment over 400 000 Btu/h (120 kW) in accordance with the *B149 Code* series.

This module is designed to provide the gas technician with a thorough understanding of the following:

- gas piping requirements
- ventilation and combustion air requirements
- venting requirements
- installation requirements
- activation procedures for commercial/industrial appliances
- service, maintenance, and troubleshooting procedures
- water treatment requirements.

#### **Gas Technician Training 1 — Module 27B, 3rd edition**

*Commercial Cooking Equipment*..... \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- codes and standards for commercial cooking equipment
- typical commercial cooking equipment
- installation, servicing, and maintenance of commercial cooking equipment
- ventilation requirements.



**New Standards – New Editions – Special Publications (cont’d)**

**Gas Technician Training 1 — Module 28, 3rd edition**  
*Gas-Fired Air Conditioning*..... \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- safety hazards associated with ammonia and lithium bromide
- principles of refrigeration and cooling
- key cooling and refrigeration terms
- operation of an ammonia-water cooling system
- operation of a water-lithium bromide system
- operation of a gas-fired absorption chiller-heater unit
- installation and operational considerations for absorption chiller-heater units.

**Gas Technician Training 1 — Module 29, 3rd edition**  
*Electricity*..... \$40

This module covers electrical controls of gas-fired equipment over 400 000 Btu/h (120 kW).

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- identifying potential hazards and describing safe practices for working with wiring systems
- identifying and diagnosing electrical wiring systems and circuit controls
- describing electrical theory and concepts in gas-fired equipment
- reading, interpreting, and drawing wiring diagrams, schematics, and symbols related to gas equipment over 400 000 Btu/h (120 kW)
- performing calculations to determine electric motor size requirements.

**Gas Technician Training 1 — Module 30, 3rd edition**  
*Controls* ..... \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- basic functions of controls
- common control terms
- function and selection criteria for mechanical controls
- function and selection criteria for electrical controls
- interaction of mechanical and electrical control devices
- troubleshooting procedures for control systems
- propane and natural gas code requirements for controls on appliances over 400 000 Btu/h (120 kW)
- reviewing a control system application to ensure that manufacturer and Code requirements are met.

**New Standards – New Editions – Special Publications (cont’d)**

**Gas Technician Training 1 — Module 31, 3rd edition**

*Valve Trains and Burners* ..... \$40

This module is designed to provide the gas technician with a thorough knowledge and understanding of the following:

- valve train components
- sequence of operation of major valve trains
- operation of common gas flow controllers
- common types of burners
- maintenance and troubleshooting procedures for valve trains and burners
- procedures for converting large appliances to alternate fuels.

***Certification and Testing (CSA International)***

**Certification Notices**

**Please note:** ► Notices marked with an arrowhead are new in this issue.

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
July 1, 2006	Publication of ANSI/IAS LC1-2005/ CSA 6.26-2005, <i>Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)</i> . The revisions in this standard supersede any corresponding provisions of ANSI/IAS LC-1-1997, ANSI/IAS LC-1a-1999, and ANSI/IAS LC 1b-2001.	Gas Products No. 81
July 1, 2006	Publication of ANSI Z21.41a-2005/ CSA 6.9a-2005, <i>Quick Disconnect Devices for Use With Gas Fuel Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.41-2003/CSA 6.9-2003.	Gas Products No. 82
August 1, 2006	Publication of ANSI Z21.1-2005, <i>Household Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.1-2000, ANSI Z21.1a-2003, and ANSI Z21.1b-2003.	Gas Products No. 67
August 1, 2006	Publication of ANSI Z21.58-2005/CSA 1.6-2005, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.58-1995/CGA 1.6-M95, ANSI Z21.58a-1998/CGA 1.6a-1998, and ANSI Z21.58b-2002/CSA 1.6b-2002.	Gas Products No. 68

**Certification Notices (cont'd)**

<b>Effective Date</b>	<b>Subject</b>	<b>Title</b>
August 1, 2006	Publication of ANSI Z21.20-2005, <i>Automatic Gas Ignition Systems and Components</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.20-2000, Z21.20a-2000, and Z21.20b-2001.	Gas Products No. 69
August 1, 2006	Publication of ANSI Z21.13a-2005/ CSA 4.9a-2005, <i>Gas-Fired Low-Pressure Steam and Hot Water Boilers</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.13-2004/CSA 4.9-2004.	Gas Products No. 75
September 1, 2006	Publication of Update No. 14 to CSA standard CAN1-3.1-77 (R2001), <i>Industrial and Commercial Gas-Fired Package Boilers</i> .	Gas Products No. 86
September 1, 2006	Withdrawal of ANSI Z83.17/CAN1-3.12, <i>Direct Gas-Fired Door Heaters</i> . The certification of direct gas-fired door heaters is now covered under ANSI Z83.4/CSA 3.7, <i>Non-Recirculating Direct Gas-Fired Industrial Air Heaters</i> .	Gas Products No. 87
September 1, 2006	Publication of ANSI Z21.50b-2005/ CSA 2.22b-2005, <i>Vented Gas Fireplaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.50-2003/CSA 2.22-2003 and Z21.50a-2003/CSA 2.22a-2003.	Gas Products No. 91
September 1, 2006	Publication of ANSI Z21.86a-2005/ CSA 2.32a-2005, <i>Vented Gas-Fired Space Heating Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.86-2004/CSA 2.32-2004.	Gas Products No. 92
September 1, 2006	Publication of ANSI Z21.88-2005/ CSA 2.33-2005, <i>Vented Gas Fireplace Heaters</i> . The revisions in this standard supersede any corresponding provisions of ANSI Z21.88-2002/ CSA 2.33-2002, ANSI Z21.88a-2003/ CSA 2.33a-2003, and ANSI Z21.88b-2003/ CSA 2.33b-2003.	Gas Products No. 93
May 1, 2007	Publication of ANSI Z21.58a-2006/ CSA 1.6a-2006, <i>Outdoor Cooking Gas Appliances</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.58-2005/ CSA 1.6-2005.	Gas Products No. 96

**Certification Notices (cont'd)**

Effective Date	Subject	Title
May 1, 2007	Publication of ANSI Z21.47b-2006/ CSA 2.3b-2006, <i>Gas-Fired Central Furnaces</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.47-2003/ CSA 2.3-2003 and Z21.47a-2004/CSA 2.3a-2004.	Gas Products No. 102
▶ July 1, 2007	Publication of ANSI Z21.10.1b-2006/ CSA 4.1b-2006, <i>Gas Water Heaters — Volume I, Storage Water Heaters with Input Rates of 75,000 Btu per Hour or Less</i> . The revisions in this addenda supersede any corresponding provisions of ANSI Z21.10.1-2004/CSA 4.1-2004 and ANSI Z21.10.1a-2006/CSA 4.1a-2006.	Gas Products No. 106