

Pt. 440, App. A

10 CFR Ch. II (1-1-01 Edition)

HEATING AND COOLING SYSTEM REPAIRS AND TUNE-UPS/EFFICIENCY IMPROVEMENTS—Continued

REPLACEMENT FURNACES, BOILERS, AND WOOD STOVES—Continued

[Standards for conformance]

Install vent dampers for oil-fueled heating systems.	Applicable sections of NFPA 31-1987 for installation and in conformance with UL ⁴ 17, November 28, 1988.
Reduce excess combustion air: A: Reduce vent connector size of gas-fueled appliances. B: Adjust barometric draft regulator for oil fuels.	ANSI Z223.1-1988 (NFPA 54-1988) Part 9 and Appendices G & H. NFPA 31-1987 and per manufacturers' (furnace or boiler) instructions.
Replace constant burning pilot with electric ignition device on gas-fueled furnaces or boilers.	ANSI Z21.71-1981, Z21.71a-1985, and Z21.71b-1989.
Readjust fan switch on forced air gas or oil-fueled furnaces.	Applicable sections and Appendix H of ANSI Z223.1-1988 (NFPA 54-1988) for gas furnaces and NFPA 31-1987 for oil furnaces.
Replace burners	See power burners (oil/gas).
Install/replace duct furnaces (gas).	ANSI Z223.1-1988 (NFPA 54-1988).
Install/replace heat pumps.	Listed by UL.
Replace air diffusers, intakes, registers, and grilles.	Commercially available.
Install/replace warm air heating metal ducts.	Commercially available.
Filter alarm units	Commercially available.

[Standards for conformance]

Ventilation fans: Including electric attic, ceiling, and whole house fans.	UL 507, August 23, 1990 Revision.
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¹ NFPA indicates National Fire Prevention Association.
² ANSI indicates American National Standards Institute.
³ UL indicates Underwriters Laboratories.

AIR CONDITIONERS AND COOLING EQUIPMENT
[Standards for conformance]

Air conditioners: Central air conditioners Room size units	ARI ¹ 210/240-1989. ANSI/AHAM ² RAC-1-1982.
Other cooling equipment: Including evaporative coolers, heat pumps and other equipment.	UL ³ 1995, November 30, 1990. ⁴

¹ ARI indicates Air Conditioning and Refrigeration Institute.
² AHAM/ANSI indicates American Home Appliance Manufacturers/American National Standards Institute.
³ UL indicates Underwriters Laboratories.
⁴ This standard is a general standard covering many different types of heating and cooling equipment.

SCREENS, WINDOW FILMS, AND REFLECTIVE MATERIALS
[Standards for conformance]

Insect screens	Commercially available.
Window films	Commercially available.
Shade screens: Fiberglass shade screens ...	Commercially available.
Polyester shade screens	Commercially available.
Rigid awnings: Wood rigid awnings	Commercially available.
Metal rigid awnings	Commercially available.
Louver systems: Wood louver systems	Commercially available.
Metal louver systems	Commercially available.
Industrial-grade white paint used as a heat-reflective measure on awnings, window louvers, doors, and exterior duct work (exposed).	Commercially available.

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REPLACEMENT FURNACES, BOILERS, AND WOOD STOVES

[Standards for conformance]

Chimneys, fireplaces, vents and solid fuel burning appliances.	NFPA ¹ 211-1988.
Gas-fired furnaces	ANSI ² Z21.47-1987, Z21.47a-1988, and Z21.47b-1989. ANSI Z223.1-1988 (NFPA 54-1988).
Oil-fired furnaces	UL ³ 727, August 27, 1991 Revision and NFPA 31-1987.
Liquified petroleum gas storage.	NFPA 58-1989.

PART 445 [RESERVED]