

## Department of Energy

## § 431.282

calculations in accordance with sections 11.1 through 11.3.2 (Calculation and Report) of the ASTM F2324-03, "Standard Test Method for Prerinse Spray Valves." (Incorporated by reference, see § 431.263) Perform only the procedures pertinent to the measurement of flow rate. Record measurements at the resolution of the test instrumentation. Round off calculations to the same number of significant digits as the previous step. Round the final water consumption value to one decimal place as follows:

- (1) A fractional number at or above the midpoint between two consecutive decimal places shall be rounded up to the higher of the two decimal places; or
- (2) A fractional number below the midpoint between two consecutive decimal places shall be rounded down to the lower of the two decimal places.

[71 FR 71374, Dec. 8, 2006]

### § 431.265 Units to be tested.

For each basic model of commercial prerinse spray valves selected for testing, a sample of sufficient size shall be selected at random and tested to ensure that—

(a) Any represented value of estimated water consumption or other measure of water consumption of a basic model for which consumers would favor lower values shall be no less than the higher of:

- (1) The mean of the sample, or
- (2) The upper 95 percent confidence limit of the true mean divided by 1.10; and

(b) Any represented value of the water efficiency or other measure of water consumption of a basic model for which consumers would favor higher values shall be no greater than the lower of:

- (1) The mean of the sample, or
- (2) The lower 95 percent confidence limit of the true mean divided by 0.90.

(Components of similar design may be substituted without requiring additional testing if the represented measures of energy continue to satisfy the applicable sampling provision.)

[75 FR 669, Jan. 5, 2010]

## ENERGY CONSERVATION STANDARDS

### § 431.266 Energy conservation standards and their effective dates.

Commercial prerinse spray valves manufactured on or after January 1, 2006, shall have a flow rate of not more than 1.6 gallons per minute.

### Subpart P—Mercury Vapor Lamp Ballasts

SOURCE: 70 FR 60418, Oct. 18, 2005, unless otherwise noted.

#### § 431.281 Purpose and scope.

This subpart contains energy conservation requirements for mercury vapor lamp ballasts, pursuant to section 135 of the Energy Policy Act of 2005, Pub. L. 109-58.

#### § 431.282 Definitions concerning mercury vapor lamp ballasts.

*Ballast* means a device used with an electric discharge lamp to obtain necessary circuit conditions (voltage, current, and waveform) for starting and operating.

*High intensity discharge lamp* means an electric-discharge lamp in which—

- (1) The light-producing arc is stabilized by the arc tube wall temperature; and
- (2) The arc tube wall loading is in excess of 3 Watts/cm<sup>2</sup>, including such lamps that are mercury vapor, metal halide, and high-pressure sodium lamps.

*Mercury vapor lamp* means a high intensity discharge lamp, including clear, phosphor-coated, and self-ballasted screw base lamps, in which the major portion of the light is produced by radiation from mercury typically operating at a partial vapor pressure in excess of 100,000 Pa (approximately 1 atm).

*Mercury vapor lamp ballast* means a device that is designed and marketed to start and operate mercury vapor lamps intended for general illumination by providing the necessary voltage and current.

*Specialty application mercury vapor lamp ballast* means a mercury vapor lamp ballast that—

- (1) Is designed and marketed for operation of mercury vapor lamps used in

## § 431.286

quality inspection, industrial processing, or scientific use, including fluorescent microscopy and ultraviolet curing; and

(2) In the case of a specialty application mercury vapor lamp ballast, the label of which—

(i) Provides that the specialty application mercury vapor lamp ballast is 'For specialty applications only, not for general illumination'; and

(ii) Specifies the specific applications for which the ballast is designed.

[74 FR 12074, Mar. 23, 2009]

### TEST PROCEDURES [RESERVED]

#### ENERGY CONSERVATION STANDARDS

### § 431.286 Energy conservation standards and their effective dates.

Mercury vapor lamp ballasts, other than specialty application mercury vapor lamp ballasts, shall not be manufactured or imported after January 1, 2008.

[74 FR 12074, Mar. 23, 2009]

## Subpart Q—Refrigerated Bottled or Canned Beverage Vending Machines

SOURCE: 71 FR 71375, Dec. 8, 2006, unless otherwise noted.

### § 431.291 Scope.

This subpart specifies test procedures for certain commercial refrigerated bottled or canned beverage vending machines, pursuant to part C of Title III of the Energy Policy and Conservation Act, as amended, 42 U.S.C. 6311–6316.

### § 431.292 Definitions concerning refrigerated bottled or canned beverage vending machines.

*Basic model* means, with respect to refrigerated bottled or canned beverage vending machines, all units of a given type of refrigerated bottled or canned beverage vending machine (or class thereof) manufactured by one manufacturer and which have the same primary energy source, which have electrical characteristics that are essentially identical, and which do not have any differing electrical, physical, or func-

## 10 CFR Ch. II (1–11 Edition)

tional characteristics that affect energy consumption.

*Bottled or canned beverage* means a beverage in a sealed container.

*Class A* means a refrigerated bottled or canned beverage vending machine that is fully cooled, and is not a combination vending machine.

*Class B* means any refrigerated bottled or canned beverage vending machine not considered to be Class A, and is not a combination vending machine.

*Combination vending machine* means a refrigerated bottled or canned beverage vending machine that also has non-refrigerated volumes for the purpose of vending other, non-“sealed beverage” merchandise.

*Refrigerated bottled or canned beverage vending machine* means a commercial refrigerator that cools bottled or canned beverages and dispenses the bottled or canned beverages on payment.

*V* means the refrigerated volume (ft<sup>3</sup>) of the refrigerated bottled or canned beverage vending machine, as measured by ANSI/AHAM HRF-1-2004 (incorporated by reference, see § 431.293).

[71 FR 71375, Dec. 8, 2006, as amended at 74 FR 44967, Aug. 31, 2009]

### TEST PROCEDURES

### § 431.293 Materials incorporated by reference.

(a) *General.* DOE incorporates by reference the following standards into Subpart Q of Part 431. The material listed has been approved for incorporation by reference by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Any subsequent amendment to a standard by the standard-setting organization will not affect the DOE regulations unless and until amended by DOE. Material is incorporated as it exists on the date of the approval and a notice of any change in the material will be published in the FEDERAL REGISTER. All approved material is available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030 or visit [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/](http://www.archives.gov/federal_register/code_of_federal_regulations/)