

standards referenced in Table 14-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

**413.1 Limitation of Hot Water Temperature for Public Lavatories.** Hot water delivered from public-use lavatories shall be limited to a maximum temperature of 50°C (120°F) by a device that conforms to ASSE 1070, CSA B125.3 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. The water heater thermostat shall not be considered a control for meeting this provision.

#### **414.0 Bathtubs and Whirlpool Bathtubs.**

Unless otherwise listed, bathtubs and whirlpool bathtubs shall comply with the following requirements:

**414.1** A removable panel shall be provided to access and remove the pump. Whirlpool pump access located in the crawl space shall be located no more than 6m (20 ft.) from an access door, trap door, or crawl hole.

**414.2** The circulation pump shall be located above the crown weir of the trap.

**414.3** The pump and the circulation piping shall be self-draining to minimize water retention in accordance with standards referenced in Table 14-1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

**414.4** Suction fittings on whirlpool bathtubs shall comply with the listed standards or equivalent International Standard(s) approved by the Authority Having Jurisdiction.

**414.5 Limitation of Hot Water in Bathtubs and Whirlpool Bathtubs.** The maximum hot water temperature discharging from the bathtub and whirlpool bathtub filler shall be limited to 50°C (120°F) by a device that conforms to ASSE 1070, CSA B125.3 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. The water heater thermostat shall not be considered a control for meeting this provision.

#### **415.0 Installation of Fixture Fittings.**

Where two separate handles control the hot and cold water, the left-hand control of the faucet when facing the fixture fitting outlet shall provide the means to alter the hot water temperature from the fixture fitting.

Single-handle mixing valves shall have the flow of hot water correspond to the markings on the fitting.

#### **416.0 Bidets.**

**416.1 Materials.** Bidets shall conform to the standards listed in Table 14-1 or equivalent International

Standard(s) approved by the Authority Having Jurisdiction.

**416.2 Backflow Protection.** The water supply to the bidet shall be protected according to Chapter 6, which allows for an airgap or vacuum breaker.

**416.3 Limitation of Water Temperature in Bidets.** The maximum hot water temperature discharging from a bidet shall be limited to 40°C (110°F) by a device that conforms to ASSE 1070, CSA B125.3 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. The water heater thermostat shall not be considered a control for meeting this provision.

#### **417.0 Future Fixtures.**

When provisions are made for the future installation of fixtures, those provided for shall be considered in determining the required sizes of drain pipes. Construction for future installations shall be terminated with a plugged fitting or fittings. Where the plugged fitting is at the point where the trap of a fixture is installed, the plumbing system for such fixture shall be complete and conform with the plumbing requirements of this code.

#### **418.0 Shower and Tub-Shower Combination Control Valves.**

Showers and tub-shower combinations in buildings shall be provided with individual control valves of the pressure balance, thermostatic, or combination pressure balance/thermostatic mixing valve type that provide scald and thermal shock protection. These valves shall conform to ASSE 1016, ASME A112.18.1/CSA B125.1 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. Gang showers, when supplied with a single temperature-controlled water supply pipe, shall be controlled by a mixing valve that conforms to ASSE 1069 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. Handle position stops shall be provided on such valves and shall be per the manufacturer's instructions to deliver a maximum mixed water setting of 50°C (120°F). The water heater thermostat shall not be considered a suitable control for meeting this provision.